





# GOLDFFX USER GUIDE

Version 3.2










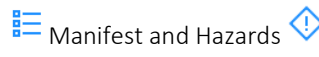



CHEMWATCH  
Melbourne, Australia












## About the User Guide

This guide is intended for GoldFFX users  to reference specific topics on how to use the Chemwatch database application. The topics covered are based on the various modules available within the GoldFFX system; designed to provide businesses and organizations the platform to manage chemicals used, stored or transported. This document is accessible through the manual icon  within the user interface of the application and can also be downloaded by sending a request to Chemwatch Helpdesk or visit our Knowledgebase platform to gain access to respective articles. Generic module, feature and task icons are used across this guide to emphasize a specific action in the defined steps.


### Modules

 Home	 Risk Assessment
 D-Gen Lab	 Credo/AuthorITe <small>(Optional in Chemeritus)</small>
 SiSoT <small>(Optional in Chemeritus)</small>	 Approvals <small>(Optional in GoldFFX, Chemeritus)</small>
 Systems Dashboard	 Systems Settings
 Chemwatcher	 Manifest and Hazards 

### Modules' Features

 Tags	 Download Inventory Data
 Form Builder	 Query Builder
 Report Generator 	 IFC/NFPA Reporting
 Feature Meter	 Sort and Filter  Manifest 





### Information Reference

The information icon  is used to share important notes where applicable. Most of the activities covered are illustrated using read-write permissions to all modules except the administrative settings. Users with read only permission who require more privileges within the organisational GoldFFX domain, must consult with their Chemwatch system administrator.



## About the Application



GoldFFX is a web application supported by the following latest common browsers.



Web Browser	Browser Specification	Recommended
 Google Chrome	Latest version of Google Chrome	★★★★★
 Firefox	Latest version of Mozilla Firefox	★★★★☆
 Edge	Latest version of Microsoft Edge is supported	★★★★☆
 Apple PC	Safari (latest version recommended)	★★★★☆

The web application works in both Windows PC  and Mac PC  which should be connected to the internet.

### Not Supported

- Google chrome browser with touchscreen
- Compatibility mode of internet explorer browser
- Enterprise mode of internet explorer browser

The web application is **NOT fully supported** for smart phones  and tablets . However, Chemwatch has developed smart phones and tablet apps compatible with both iOS and android systems and come as an extra package to the standard web application license.

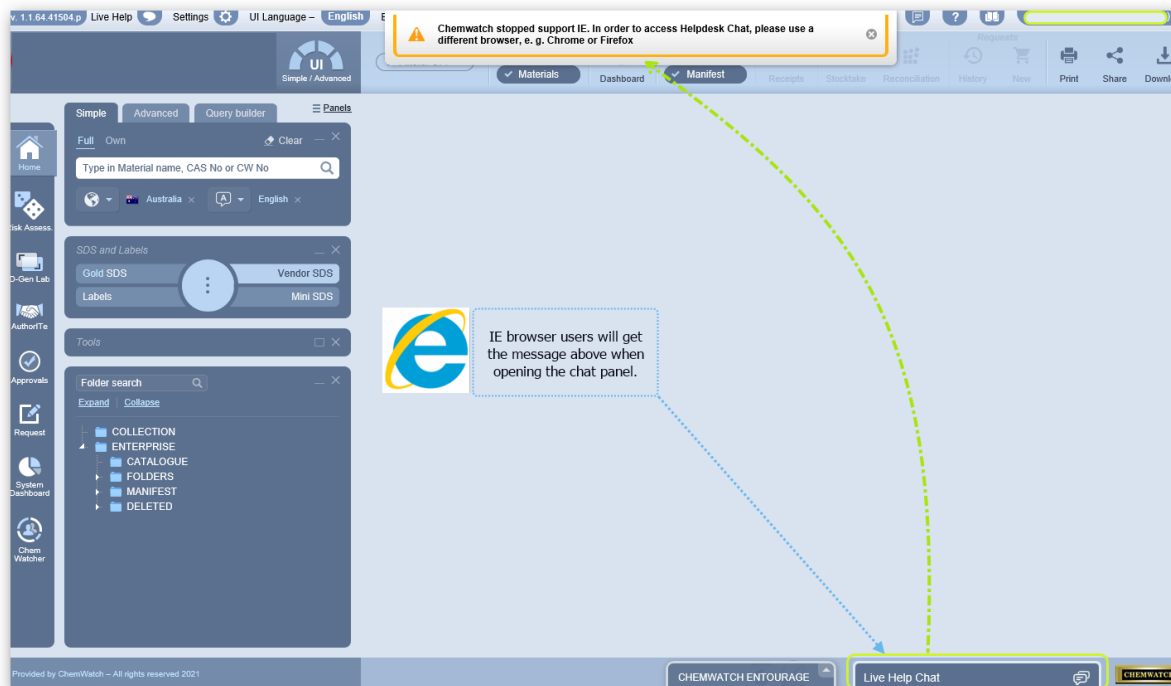
	Mobile App	Features
	Smarter Suite app Chemicals Management Mode	<ul style="list-style-type: none"> <li>• Smart Vendor</li> <li>• Smart Gold</li> <li>• Smart Mini</li> <li>• Smart ER</li> <li>• Smart Cobra</li> <li>• Smart Labels</li> </ul>
	Smarter Suite app Assets Management Mode	<ul style="list-style-type: none"> <li>• Search &amp; Browse</li> <li>• Inventory</li> <li>• Reconciliation</li> <li>• Settings</li> </ul>



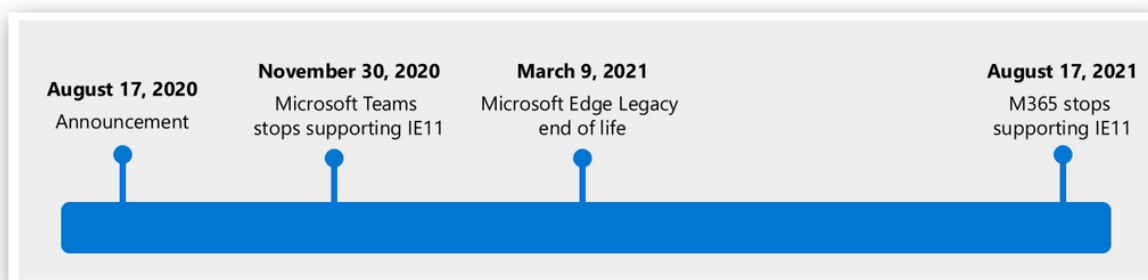
For more information about SmartSuite Apps, contact [sales@chemwatch.net](mailto:sales@chemwatch.net).

## IE Browser Support Update

Chemwatch no longer supports Internet Explorer (IE) browser. For users who are currently using IE browser will get the message display “Chemwatch stopped support for IE browser” when opening the Live chat panel.



The following message from Microsoft says farewell to Intern Explorer 11 and Windows sunsets Microsoft Edge Legacy.



**i** Contact your **domain administrator** or your **network administrator** for more details with regard to the approved browsers to use in your work environment.

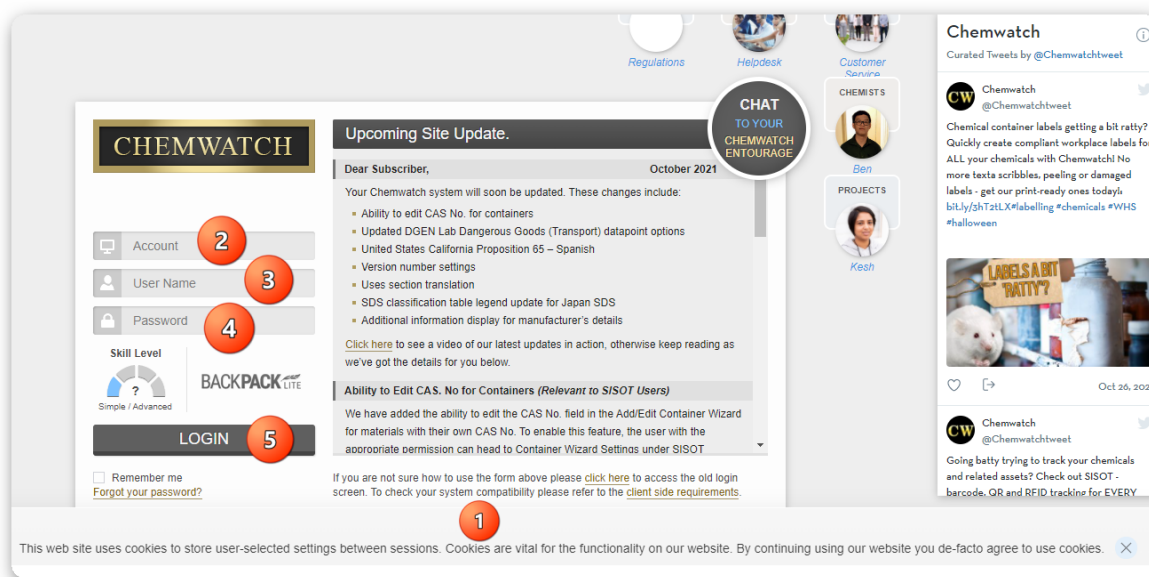
# About User Login Page

## GoldFFX System Online Access

The Chemwatch system is accessible online through the web address link below.

<http://jr.chemwatch.net/chemwatch.web>

This site uses cookies to store user selected settings between sessions. Use the “Accept Cookies” option to allow the site to using cookies and then follow the steps as shown below.



For automatic logins, a cookies notification message will be displayed to accept cookies.

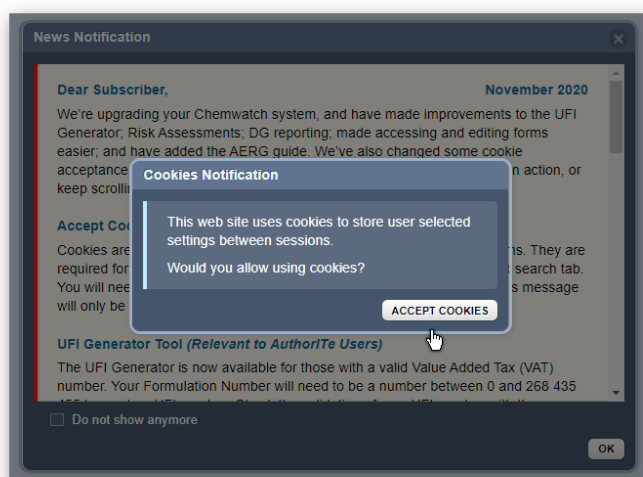


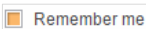




Table: Login Page Descriptions

Item	Login Page	Function	Description
1	Website cookies	Cookies acceptance for the site	This site uses cookies to store user selected settings between sessions
2	Account name	Account identifier	This is the domain name for the system license package, applicable to all users.
3	User Login	User login name	This is the user's login name, may be different from the user's name; specific to each user. Each user login is unique in the system and is based on the role(s), permissions and privileges assigned to the unique user login.
4	Password	Authentication pass identifier	Password for system authentication to login; specific to each user. A password may have at <i>least 5 characters and not longer than 15.</i>
<p> Avoid using a weak password by including special characters such as [ \$, %, ^, #, @ ] and work email address. Note that the password will not be visible in text format but will display dots instead of characters as a masking attribute. It is recommended to download user profile using the main save button to keep a record of all your users list, password and permission attributes. Refer to the appendix for more password enforced rules. </p>			
5	Login button	Login button	Press button to login to the system. If SSO is set up and enabled for your domain, the login page will not be applicable.
	Remember me 	Checkbox <input type="checkbox"/> to remember login data	If the checkbox <input type="checkbox"/> is selected, the browser will remember your previous login for the account and user login. The password will always be required to be entered for security purposes.
	Forgot password?	Change password	This feature allows Chemwatch to send an email  for password change. User will be required to reassign a new password.

 Domains that have **Single Sign On (SSO)** activated by-pass the login page. If uncertain on how your SSO login works, consult with your organisation's domain administrator of the system.


## Upcoming Webinars Registration

Any user interested in Chemwatch Upcoming Webinars and Upcoming Product Training can register from the login page. Click on the "Register" link provided at the bottom of the login page for webinar or product training of interest. The Register link will open a new page to fill in your details to register.

Upcoming Webinars		Upcoming Product Training
<a href="#">Register</a>	<b>27 Apr 2021</b>   Avery GHS Wizard® Label Software powered by Chemwatch Data!	<a href="#">Register</a> <b>22 Apr 2021</b>   Credo
<a href="#">Register</a>	<b>28 Apr 2021</b>   Monitoring your chemical waste disposal with SiSot	
<a href="#">Register</a>	<b>14 May 2021</b>   EU CLP規則: GHS改訂第7版への適合 (EU CLP Regulation: Compliance with GHS Revision 7)	

A webinar registration page looks like this one below.

### Webinar Registration



Topic	AUS NZ   Mini Brief   EU aligns its CLP Regulation to GHS Rev 7	<b>CHEMWATCH</b>
Description	<p>The European Union has amended the CLP Regulation to align with the GHS Revisions 6 &amp; 7. They have published the 12th ATP in which these changes are adopted.</p> <p>Our Mini Brief will cover the following topics:</p> <ul style="list-style-type: none"> <li>- Overview of EU Changes from Rev 5 to Rev 7</li> <li>- Poison Center Requirements (Unique Formula Identifiers)</li> <li>- Key changes to the SDS Section 1. 2. 3. 9 especially including information on Nanoforms and Ozone-depleting substances</li> <li>- Other changes to the SDS in Section 11 for endocrine-disrupting chemicals and section 14. Transport in bulk requirements</li> </ul> <p>And more!</p>	
Time	Mar 17, 2021 01:30 PM in Canberra, Melbourne, Sydney	

**Fill in your First name, Last name, email address, country/region, phone, industry and organisation**


\* Required information



First Name *	Last Name *
<input type="text"/>	<input type="text"/>
Email Address *	Confirm Email Address *
<input type="text"/>	<input type="text"/>
Country/Region *	Phone
<input type="text" value="United Kingdom"/>	<input type="text"/>
Organization *	Industry *
<input type="text"/>	<input type="text" value="Accounting"/>

By registering, I agree to the [Privacy Statement](#) and [Terms of Service](#).

[Register](#)





## User Roles and Permissions




Generally, the system can be set by the administrator for automatic login or manual login. The types of user profiles may range from basic users with read only, users with edit rights to administer other users with some level of control of the systems settings .

 To identify the type of user profile applicable to your login, as provided by the domain administrator of the system within your organisation, refer to the table below. If unsure of your user role or permissions, contact the administrator of Chemwatch application within your organisation for more information or send an email  to [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net) for support.

The table below recapitulates the system's functional roles and related permission attributes.

Table: Functions and User Profiles

Function	User Profile	Description	Permission
 <b>Domain Administrative Role</b>	Primary Administrator of the system	Entire Access to the system	Full access with read-write permission to the entire system and able to set up users and respective privileges, products and user access management.
 <b>Management Role</b>	Manifest Management level	Management of specific areas of the system's manifest	Ability to edit, (read-write permission) materials, access to assigned role permissions; to be able to manage data; report generator, dashboards, document filter tools, conduct risk assessments and many more functions.
 <b>Basic Role</b>	General use level	General use may have limited access and read function	Ability to read data, search for materials, view various accessible reports as per privileges set by the domain administrator.
 <b>Approvals Module User Role</b>	Users that are assigned to a particular stage of the approvals workflow	Requestor	A requestor is set to request for material to be approved, this stage 1 process.
		Stage Approver in the workflow	Stage approver is a subsequent stage to approve stage 1 requests until the workflow cycle is complete and the requests are approved.

 Please note that the application's domain **Administrator**  within your organisation or business is responsible for setting up user(s) access, permissions and privileges in the system and how your organisation will access the system. For any user interface issues, comments, questions, contact us by sending an email to [helpdesk@chemwatch.net](mailto:helpdesk@chemwatch.net) or submit a ticket through the contact support form by clicking on the live chat  bar within the application user interface.

## About the Feature Meter and UI Panels

The Feature Meter is a user interface gauge geared towards improving usability of the GoldFFX application user interface from Intermediate mode (GoldFFX full features) to Basic mode and Simple mode based on skill level.

### What is a “Feature Meter”?



The **Feature Meter** is a user interface gauge (skill level) intended to enable users to toggle between “**Simple and Advanced**” screen display of panels, features and functionalities of predefined Chemwatch packages. The primary purpose of this gauge is to provide a clear hierarchy in reducing the appearance of complexity of the user interface to ensure that users can focus on what is important by controlling what they see on the screen.

The feature meter enables users to toggle between simple to advanced features display on the user interface. The image below also shows the different colour themes available for the user interface. The feature meter is categorized into the following “four-gauge levels”:






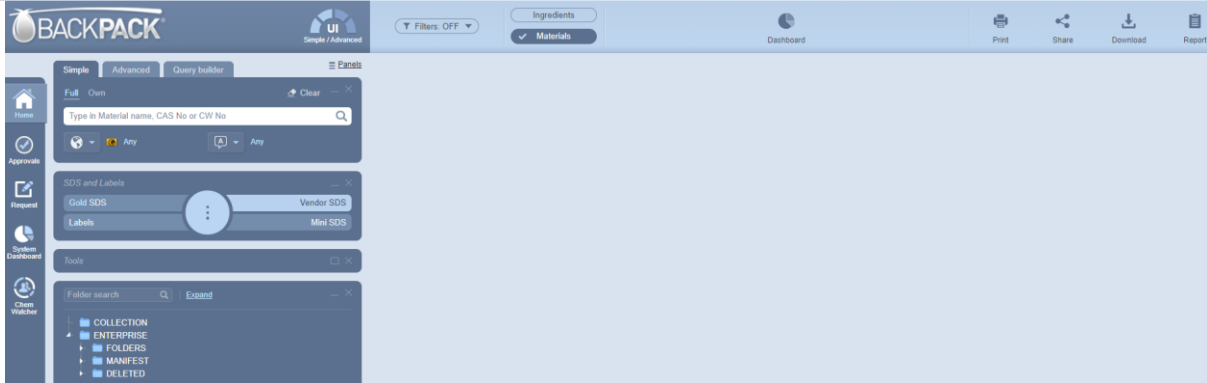




This solution presents different UI panels with applicable colour themes and product package logos. In this document, all application screen shots are based on the most common “light blue” user interface colour theme.

Skill Level	Mode	Application	Package (Product+Logo)
Level 1	Simple mode user interface	Backpack Lite	
Level 2	Basic mode user interface	Backpack	
Level 3	Normal mode user interface	GoldFFX	
Level 4	Advanced mode user interface	Chemeritus	Not applicable in GoldFFX

**i** The Feature Meter does not affect the standard default buttons and icons – ui language, live help chat, print, download, share, elearning, bulletin and manuals. Editing folders and materials on the grid uses a mouse right click functionality on Windows PC. For a Mac PC, the mouse right click functionality uses a left mouse click.

Table: Feature Meter Product Features

Level (L)	Mode Name (Application)	Package (Product+Logo)	Panel(s) (Features and Functionalities)	Meter Gauge (Active Level)
L1	<b>Backpack Light mode</b>	Custom Backpack 	<b>Search Panel</b> Basic search capabilities to look for materials and display Vendor SDS documents.	 1 segment on the gauge is active
				
L2	<b>Simple mode</b>	Backpack 	<b>Basic</b> Basic search capabilities to look for materials and display SDS documents, labels and access folders and export reports.	 Two segments on the gauge are active
				
L3	<b>Normal mode</b>	GoldFFX 	<b>Intermediate</b> Basic and advanced search capabilities to look for materials and display SDS documents, labels and access folders. Filter the manifest for hazards and dangerous goods, perform risk assessments, create mixtures, export data reports and access to dashboards widgets.	 Three segments on the gauge are active.



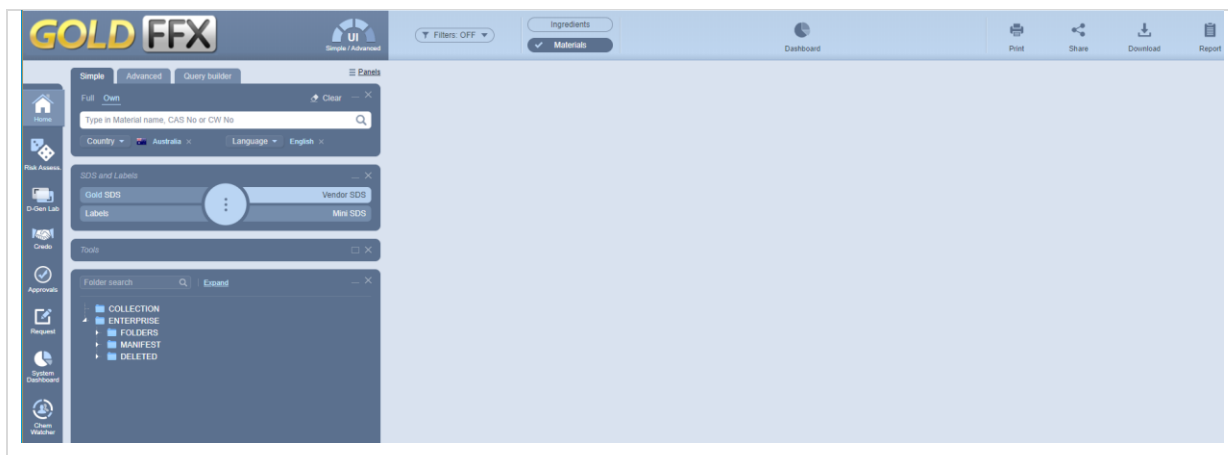







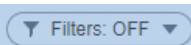











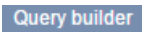

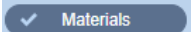















Table: User Interface Elements Descriptions

Module	Feature Elements	Description	Use
<b>Home</b> 	Simple mode  Search panel, SDS, Emergency and Labels panel.	Search for materials by material name and/or vendor.	Search for materials by various options; to access Vendor, Mini, Gold SDS, Labels and Emergency Reports  . 
Materials List (Register) 	View Materials and Documents table.	Materials table. Documents table.	Access to a list  of materials and the respective Vendor SDS documents.
Manifest Hazards Filters 	Hazards Filtering  provides a menu of hazard categories, dangerous goods, manifest quantity, incompatibility and many more options.	Filter materials register to collate chemicals based on the specific hazard categories.	Filter by various types of Hazards, Dangerous Goods, Incompatibilities, Chemicals of Concern, US DHS Chemicals, Placarding Report, SARA, Health Surveillance, International Fire Code, NFPA, Dangerous Goods Report, Tags and many more. 
Edit Manifest 	Edit manifest register and quantities	Edit materials and quantities	Copy, move, remove (delete) materials, edit volume/weight  .

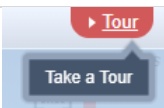
Module	Feature Elements	Description	Use
Ingredients 	Generate Ingredients Report	Extrapolate ingredients  contained in materials in a folder	Extrapolate ingredients contained in materials in a folder/store and Print  , Save  or Email  the report.
Part No  Preferred Names 	Part numbers  Preferred Names	Create or Edit Part Numbers.  Create or Edit Preferred Names.	Create or Edit Part Numbers for materials in folder register.  Create or Edit Preferred Names for materials in folder register.
Query Builder 	Advanced Search in Search pane  	Create search criteria as queries to allow a combination of search options.	Create a search criteria and search for materials by applying the query based on the database available in the system. The Search criteria will be determined by the type of operators (contains, equals, start with, does not contain, does not start with, end with, and does not end with).
Manifest Mode 	Manifest Materials mode  	Manifest view of materials in Manifest Directory, Sites, Areas, Sections, Locations	Allows users  to add materials and view materials register but not add containers/volume/weight  .
Folder Panel 	Folder Tree Structure	Contains systems directories; Enterprise, Collection, Folders, Manifest and Deleted.	Allows users with read-write permission to create folders, copy, move, rename, remove, print and edit folder properties.
Risk Assessment 	Control Banding Risk Assessment	ILO, UN, Jobs, Risk Assessment Matrix	Allows users  to conduct ILO (Health) and UN (Dangerous Goods) risk assessments based on the control banding risk assessment model.
D-Gen Lab 	Document Generator for Labels  	Default Templates and User Defined Templates	Allows users  to customize existing default Chemwatch labels and create new label templates and/or documents by selecting specific data-points available in the database. Generally, labels are placed on the front space of a container  .
CREDO 	Credite Posteri  	Classify mixtures using CREDO	Allows users  to create a mixture based on available Chemwatch Gold SDS Data and generate labels  and Mini SDS. It also provides the ability to publish the mixture into your own inventory. Note that AuthorITe is offered as a separate package.

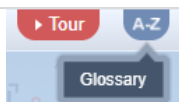
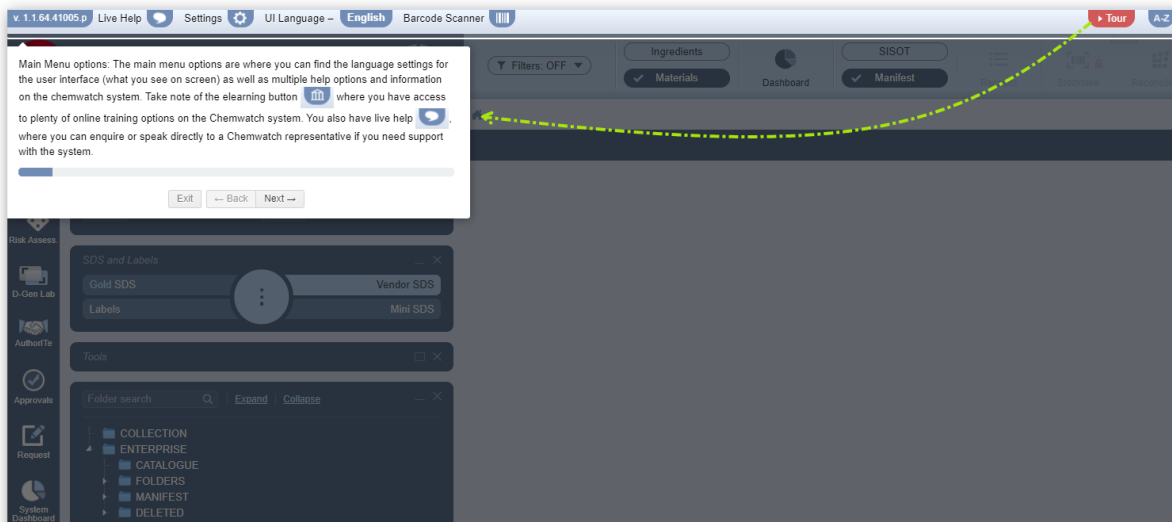
Module	Feature Elements	Description	Use
<b>Tools Panel</b> 	Tools for specific functional attributes	Materials functions in various modules	Users  can utilize the tools functionality actions for materials in the various modules such as copy, move, remove, preferred vendor, Ingredients In and many more. For details, refer to the Tools Panel section of this user guide.
			
	Maps mode for hotspots (Heat Maps)	Materials function to heat maps	Users  can utilize the tools functionality to create/use blueprint maps to create heat maps for respective sites/areas/storage facilities/buildings
			
<b>Systems Dashboard</b> 	Systems Dashboard 	Dashboard widgets to generate specific report data	Generate dashboard statistical data using widgets. Note that not all users may have access to all the administrator's dashboard widgets for the most common industry practices.

### User Tour, Elearning and Manuals



Table: Description of User Tools

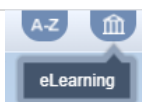
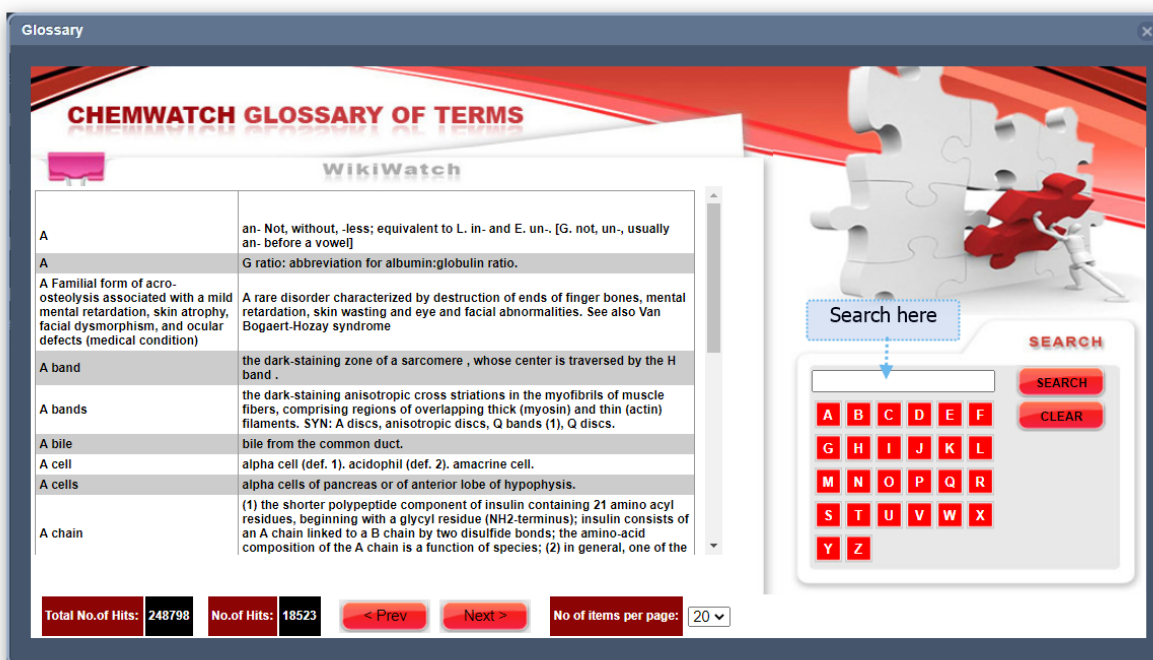
Useful Tools	Informative	Description	Use
	User tour	Step by step knowledge of user interface component	User tour provides user with information about a section of the user interface.



Glossary

Chemwatch Glossary of terms

This a useful reference searchable library of scientific terms. This wikiwatch contains over 240 000 hits.



eLearning

The elearning button provides access to online system learning packages/module

Users can use the variety of elearning tutorials, packages or modules to gain knowledge on how to use the system.

**eLearning**

Applications Modules Translations

WHICH TRAINING PACKAGE WOULD YOU LIKE TO COMPLETE?

<p><b>BACKPACK LITE</b> UI Simple &amp; Advanced Training Presentation</p> <p>Backpack Lite – Provides training on the UI and how to search and find an SDS from within an inventory list for the Backpack lite system (10 mins).</p>	<p><b>BACKPACK</b> TRAINING PRESENTATION</p> <p>Backpack - A basic users guide to searching and folders management within the Backpack System (25 mins).</p>	<p><b>GOLD FFX</b> TRAINING PRESENTATION</p> <p>GoldFFX - A basic users guide to searching, creating a manifest and risk assessments in the GoldFFX system (40 mins).</p>	<p><b>EMERITUS</b> Basic Users Guide</p> <p>Chemeritus - A basic users guide to searching, creating a manifest and risk assessments in the Chemeritus system (40 mins).</p>
<p><b>ADMINISTRATOR</b> TRAINING PRESENTATION</p> <p>Administrators Training - This guide provides administrators with knowledge of Chemwatch settings and other administrative tools (1 hour).</p>	<p><b>GHS</b> REVISION 7 UPDATE AN INTRODUCTION TO GHS</p> <p>An Introduction to GHS - Provides information on GHS including what it is, why it was developed and its implication on Australian law (60 mins).</p>	<p><b>Material Search Guide</b></p> <p>Material Search Guide – A quick guide for searching materials in the Chemwatch database (10 mins).</p>	<p><b>D-GEN</b> Label Generator Guide</p> <p>D-Gen - A training Guide for the Chemwatch Label generator tool. Note that D-Gen training is NOT included in the other application training packages (20 mins).</p>



Bulletin

Chemwatch's bulletin board

**Bulletin**

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**Contents**

(click on page numbers for links)

**REGULATORY UPDATE**

**ASIA PACIFIC**

Key information about the new scheme ..... 4

Request for information on industrial uses of certain chemicals on the Inventory ..... 5

Proposal to change the classification system for hazardous substances in New Zealand ..... 8

South Korea Completes Domestic Approval Process for the Minamata Convention on Mercury ..... 9

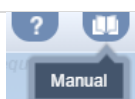
**AMERICA**

**CHEMWATCH**

**CONTACT US**

subscribers@chemwatch.net  
tel +61 3 9572 4700  
fax +61 3 9572 4777

1227 Glen Huntly Rd  
Glen Huntly  
Victoria 3163 Australia




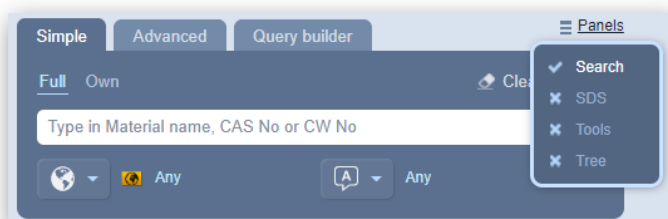
User Guide



Manual for the system



Download the user guide (manual) of the system through this button.

## Switching UI Panels On/Off Temporarily

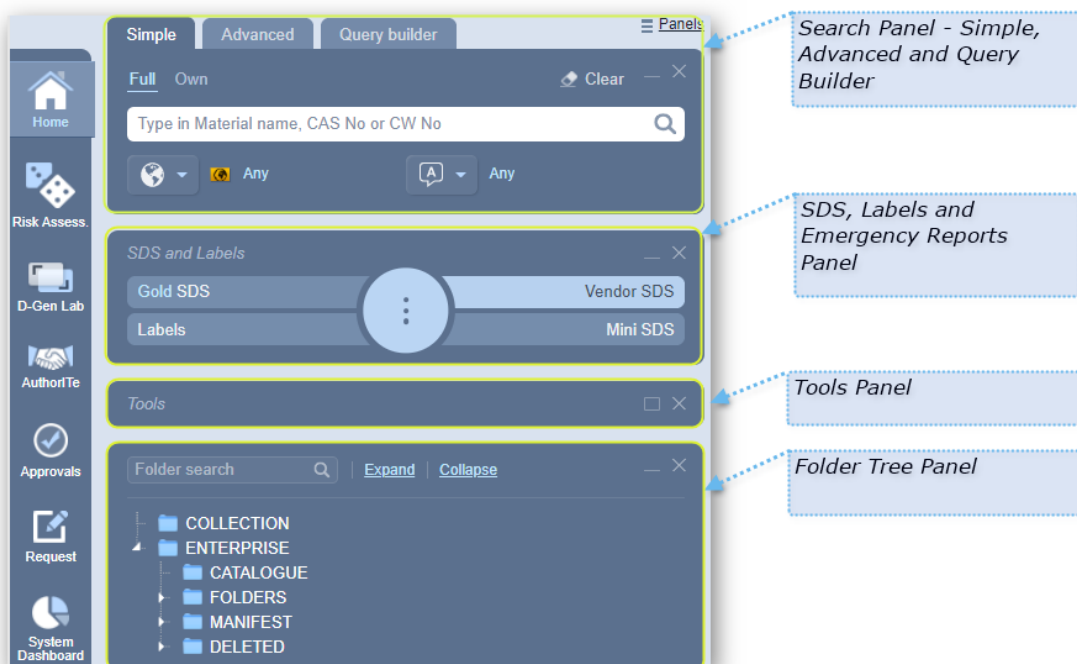
The main user interface panels can be temporarily hidden from view through the Panels link .



Panel Status	Panel Switch Mark
Temporarily turned “OFF” from the user interface (panel hidden from view)	A cross  is displayed next to the name of the panel
Turned “ON” from the user interface	A tick  is displayed next to the name of the panel

 The User Interface Panels availability and access depends on user interface privileges assigned to users  by the application administrator. These panels are; **Search, SDS Labels and Emergency, Tools and Folder Tree.**

The panels; Search, SDS and Labels and Folder Tree when display is active will be shown as illustrated in the screenshot below.



### Search Panel

This panel contains three tabs that enable user to search by **Simple** mode, **Advanced** mode or **Query Builder** method. Users can also set the country and language parameters to apply them in the search criteria.

There are two database search paths; namely, **Full** and **Own**. Full refers to the entire Chemwatch database collection of millions of SDS and Own refers to a domain's own inventory collection located in the Chemwatch database.

### SDS and Labels Panel


This panel allows users to choose the type of document to display for a single material or product at a time by pressing any of the following available options; **Vendor SDS, Gold SDS, Mini SDS, Labels or Emergency Reports** [First Aid, Fire Fighting, Spills, CHINA (Cautionary Hazard Information for Action), Advice to Doctor, Environmental, PPE (Personal Protective Equipment), SOP (Standard Operating Procedure), Toxicological, and Transport (ERG, DGTECSA) or Additional (Monograph).





### Folder Tree Panel

This panel provides a system's Folder Structure for the Enterprise to manage a domain's **Folders and Manifest Directories**. Materials and SDS can be added into created folders as part of inventory management and Manifest related stores/locations in a country or region or specific site/building as well as at the storage level.

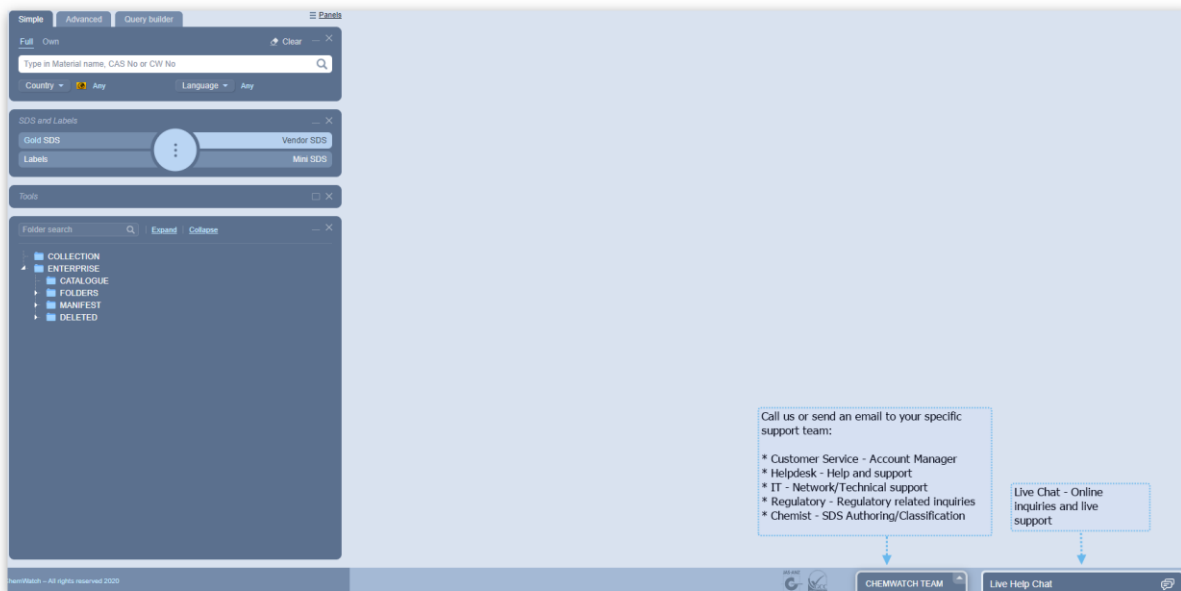


## About Help and Support

Chemwatch utilizes Live Help Tools and a Ticketing  System to enable users to request for support online, submit complaints, issues, bugs or errors and questions through the following tools:

Help Tool	Description
 <b>Chat</b>	Live help chat panel is available in the application user interface, positioned on the bottom right corner. This chat panel enables users to come into the chat room to request for Chemwatch help live online (24/7).
 <b>Live help</b>	Live help icon is available within the application's user interface, positioned on the top left corner. This live chat icon links to the live help chat room at the bottom right corner of the user interface, which allows users to request for instant online support 24/7.
 <b>Calls</b>	Incoming and outgoing calls are integrated with the Chemwatch CRM to enable help and support service teams to create tickets for any follow up actions required for better support and updates about the submitted inquiries.
 <b>Emails</b>	Incoming help and support emails are integrated with the Chemwatch CRM to allows help and support service teams to troubleshoot and lodge subsequent tickets for follow action required and thus; send any updates to submitted issues or complaints.


Users who have logged into the system, will access a **Live Chat** and Chemwatch Teams **Chemtourage** bars at the bottom right corner of the application to make it easier to engage and assist users with any questions or issues they may have.



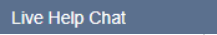




These bars will be shown in a collapsed mode as shown in the image above. When in expanded mode, users will be able to:

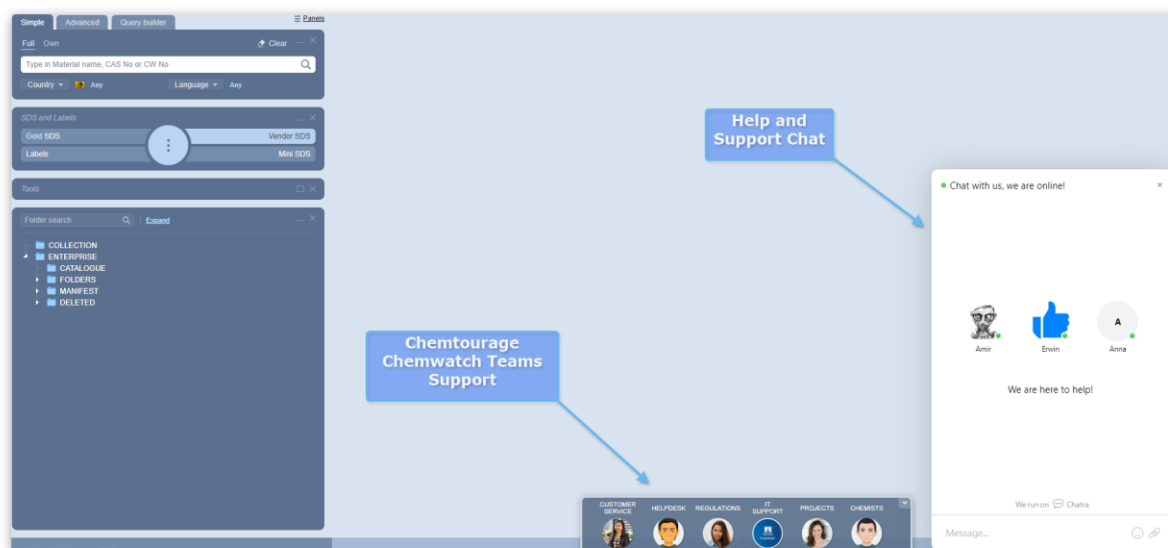
- Submit an inquiry through the live chat panel







- Submit an inquiry through the Chemwatch Teams Chemtorage email  function
- Make a phone call directory from the Chemwatch Teams Chemtorage call function

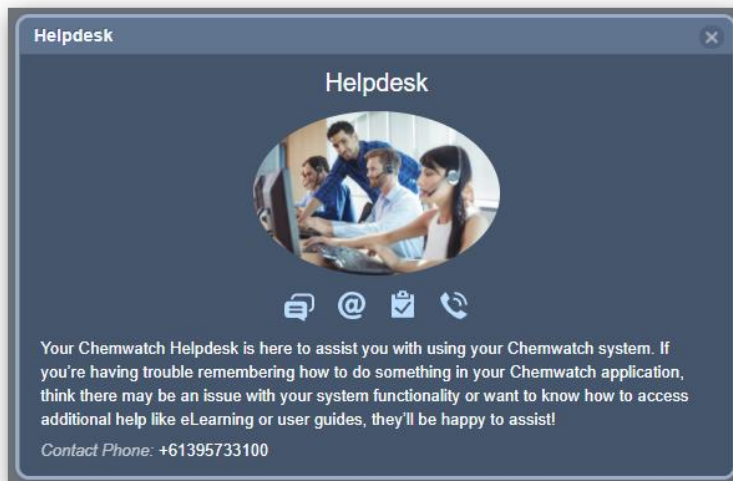
The following table provides further descriptions of these helped and support related tools.

Support	Function	Description
<p>Live chat</p> 	<p>Online instant messaging</p>	<p>The chat form is used for submitting a request for help instantaneously online or submit an inquiry to Chemwatch. Inquiries that require follow up action will be assigned a ticket  to track progress until the ticket (task) issue is resolved.</p>
<p>Chemwatch Teams</p> 	<p>Making a call  chat or email  to submit an inquiry</p>	<p>This panel is used to make a call right from the system to direct it to your Chemwatch support team. You can also send an inquiry through the email function or chat with your Chemwatch support team</p>








## Incoming Calls

Incoming calls can be made from the Chemwatch Teams panel called the “Chemtorage”. Instead of just being able to message your dedicated team of Chemwatch assistants, the platform has been integrated to any incoming calls to the Chemwatch CRM system for our teams to create and triage tickets . When the information icon  is selected for assistance from a Chemwatch Team, the screen will display a pop-up window with dialing icon  option to make a call. This call is automatically registered in the ticketing system .



## About Chat Platform

The Chemwatch **Chat** platform is the gateway to Chemwatch help and support dedicated to providing instant chat service line to users of the web applications to allow users to contact us in real time. The live chat form is also linked to the Chemtourage chat icon to communicate with dedicated Chemwatch Teams.

Support	Function	Description
Chemwatch Teams - Chat	Instant messaging	The chat form is used for submitting a request to instantaneously chat online or submit an inquiry.
Chemwatch Teams – Call 	Making a call	Use this icon to make a call right from the system to direct it to your Chemwatch support team for the specific department.
Chemwatch Teams – Email 	Submit an inquiry or issue through the email icon	You can also send an inquiry or issue through the email  function to your Chemwatch support team for the specific department.
Chemwatch Teams – Ticket 	Submit an inquiry	Use the ticket  icon to submit an inquiry or issue through the chat facility.




## How to Use the Chat Platform

Upon login to the Chemwatch home page, the live chat and the Chemwatch Teams” Chemtourage bars will be shown side by side as options to use to contact us. These bars are visible across all modules so that an inquiry can be made at any page instantly. The simple steps below illustrate how to use the chat panel to start a conversation online with one of our helpdesk support team.

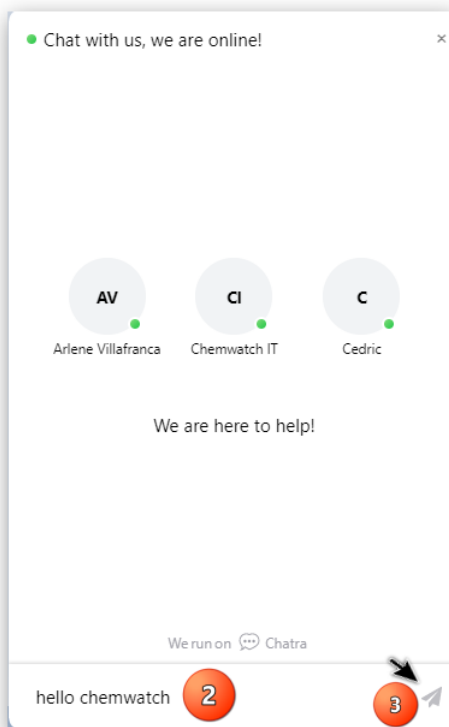
## Steps







1. Press  the **Chat** bar to open the chat panel.

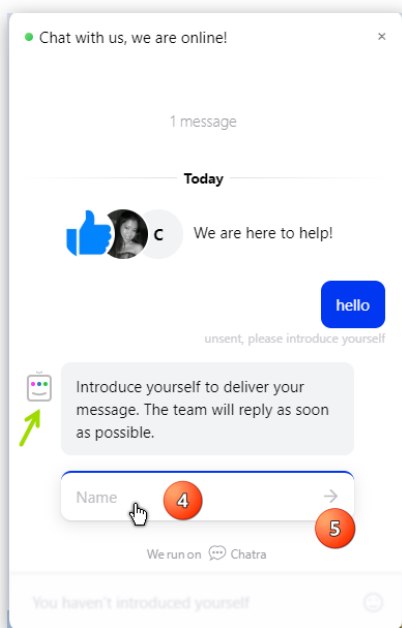
Live Help Chat




2. Type  a **message** in the message text field.
3. Press  the **[enter]** key from your keyboard or use the **submit icon** . A **chat bot** automated message displays requesting for your introduction to the chat with a quick form to fill in the specific required information:

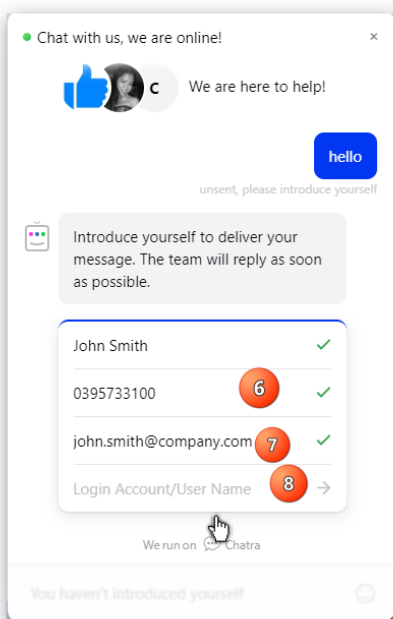
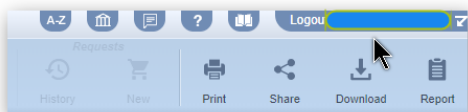
- Name
- Phone or mobile number
- Email address
- Login account/user name



4. Type  your **Name**.
5. Click  on the **forward arrow**  on the name text field.
6. Provide your **phone**  **number** and click  on the forward arrow .

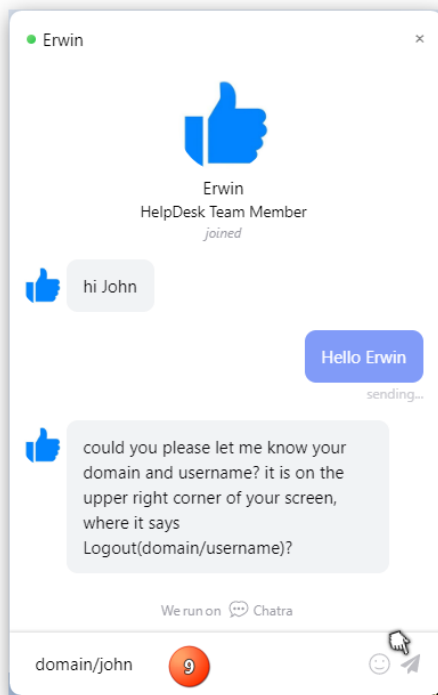



7. Type  your **work email address** and press the forward arrow .
8. Type  your login **Account/User Name** (this information is available from your top right corner of the application's user interface).



9. Type  your **question or inquiry** and press the [enter] key or use the submit icon .


10. A Chemwatch online support team member (**Agent**) will respond to your inquiry or question.



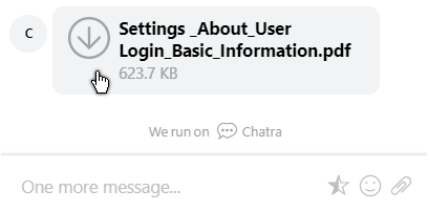
11. Use the **Close** button  on the top right corner of the chat panel to close the chat once the conversation is finished.

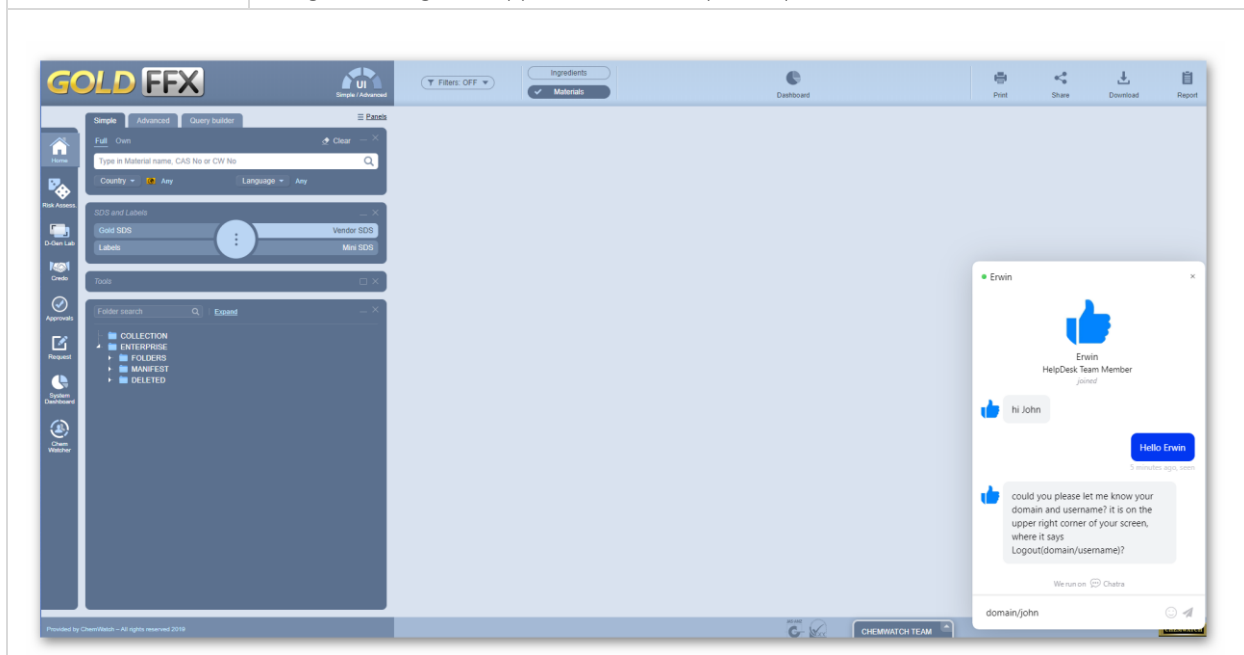
## Chemwatch Support Technical Tools



The Chemwatch team may use the following chat related tools to provide you with better support and navigation through an application issue or query.

 Chemwatch takes your privacy and security seriously and your Chemwatch support team will let you know if we can **cobrowse** with you on the Chemwatch web application's user interface and not your browser. The cobrowsing tool is designed not to gain access to your desktop or web browser on your computer for security reasons but to simply collaborate on the Chemwatch system's user interface.

Type of Tool	Use
<b>Screenshots</b>	An Agent might share screenshots within the chat messaging field to provide steps on how to action or carry out tasks. Click on the provided <b>image to view the screenshot in full</b> .
<b>Document links</b>	An Agent might share documentation links within the chat messaging field for more detailed information for your reference. Use the <b>download icon</b> from the chat message displaying the shared file link to save the file on your pc/external drive.

Type of Tool	Use
	
<b>Cobrowsing or screen sharing</b>	<p>The Chemwatch support team may request to cobrowse or screen share your current application's view of the user interface for navigation, better understanding or further troubleshooting the issue or problem. This feature can also be used to demonstrate how to navigate through the applications site map to a specific feature.</p>







**i** Follow up actions from your chat or email  or telephone  inquiries are submitted to a task ticket number and triaged for follow up action. When a ticket is created, an email notification is sent to the customer for reference and further updates on progress.

## About Chemtourage (Chemwatch Team)

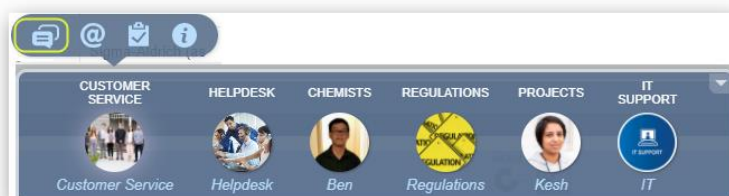
Chemwatch has developed a personalized service continuing our commitment to unsurpassed personal service called **Chemtourage** (also known as the Entourage). The **Login page** now contains the Chemtourage service teams dedicated to provide support in the various areas of expertise.

- Customer Service Facilitator
- Helpdesk Coordinator
- OHS/WHS Specialist
- Project Manager
- Chemist
- Regulatory Specialist
- IT Specialist











The following functions as discussed in previous topic offers users the ability to connect with Chemwatch help and support teams directly.

Support	Function	Description
Live chat	Instant messaging	The chat form is used for submitting  a request for help instantaneously online or submit an inquiry to Chemwatch.
Chemwatch Teams	Making a call, chat, email  or submit an inquiry	This panel is used to make a phone  call right from the system to direct it to your Chemwatch support team  You can also send an inquiry through the email  function or chat with your Chemwatch support team





The Chemwatch Teams have been allocated agents to support you for the specialized area of expertise.



## Getting to Know Your Chemtourage (Entourage)

Business Unit	Service
<b>Customer Service</b> 	Client account management, process request for SDS acquisitions, SDS uploads, SDS updates, system set up, customer roll-outs, complaints handling, training requests. Trouble tickets enter your managed query system which ensures timely response, your Customer Service facilitator coordinates the responses from all team members where required.
<b>Chemist</b> 	SDS authoring, emergency response, Gold SDS reviews, SDS details inquiries, DOCGEN technical queries, WeWrites, chemical inventory audits.
<b>Helpdesk</b> 	Help and support on how  to use any of the applications (Backpack, GoldFFX, Chemeritus, Outback, AuthorITe, SmartSuite, Sisot, Ticketing System, knowledgebase, live chat). Troubleshooting and logging inquiry tickets for any applications bugs, errors, improvements, SDS data related queries and specialised inquiries.
<b>Regulations</b> 	General regulatory inquiries and advice. <i> The specific SDS inquiries should be submitted to the Chemist first.</i>
<b>IT</b> 	Technical issues such as access to applications by network administrators and IT related client-side requirements. <i> The specific application use related inquiries must be logged with the Helpdesk first.</i>
<b>Projects</b> 	Handles PTN (Project Tracking Number) related inquiries pertaining to inventory uploads, SDS acquisition and registration phase of your projects. <i> For specific status of your acquisitions, registration phases, check your Chemwatcher module for more details on the status of your PTN.</i>

### Panel Components of The Chemtourage (Entourage)





 <b>Chat</b>	Use the chat icon from the Chemtourage panel to start a conversation through the messaging app. Selecting the chat icon will open the chat panel to fill in your details and your inquiry/question. A Chemwatch agent will accept request and start the conversation through text messaging on the chat panel.
 <b>Email</b>  <i>(@ Send To)</i>	Use the email icon to open the <b>Send To</b> panel to submit your inquiry to the respective team for actioning. The Chemtourage email will be receive by the team member to follow up action. If an issue is confirmed to be a data related complaint, system-based error, bug or simply an improvement request, the inquiry may be lodged as ticket. <i> The selected Chemtourage email icon will default to the allocated "To" email address by default.</i>

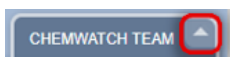


## How to Use your Chemtourage for Chats

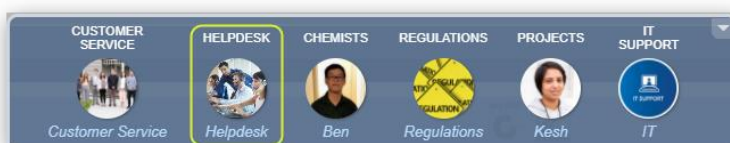
The following steps illustrate how to submit an inquiry or question through the live chat in your Chemtourage.

### Steps

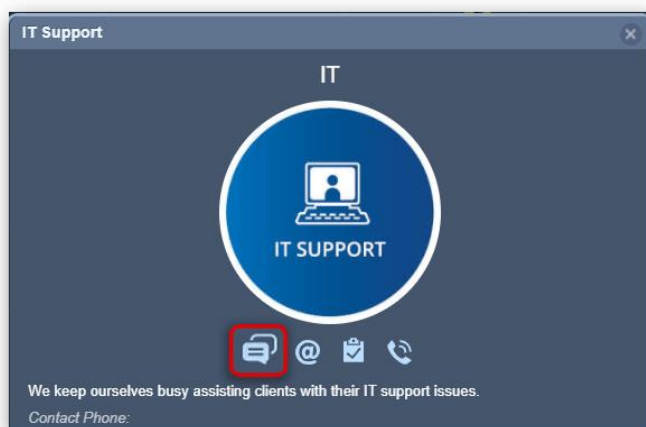
1. **Login**  to your Chemwatch application.
2. The application defaults  to the **Home**  page.
3. Click  on the Chemwatch Team **Chemtourage upward arrow** located in the bottom middle area of the user interface to expand the panel.




4. Press  the desired **service-desk** image to view details, for example; Helpdesk.





5. Click on “**Chat**” bar  from the displayed service desk profile.




6. **Type**  your **details** and **message** in the live chat form. A service team member will immediately respond to the request for support.


### What happens after closing a chat?

If you are a first-time user of the Chemwatch Ticketing System, an activation email  shall be sent by email to complete a **sign-up** process. Follow the activation email to gain access to the helpdesk portal, where you will be prompted to assign a password after clicking on a link embedded on the notification email . Upon completing the sign-up process, this action will grant the access to the help portal online. See more details in the Chemwatch Ticketing System Guide by clicking [here](#) if you reading this guide from your pc or laptop and connected to the internet.

## How to Use your Email Chemtourage

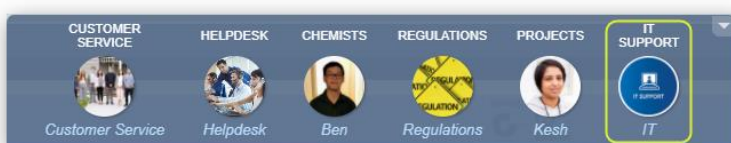
The following steps illustrate how to submit an inquiry or question through the Chemtourage email  function.

### Steps

1. **Login** to open the Chemwatch application.
2. Application defaults to the **Home**  page.
3. Click on the Chemwatch Team **Chemtourage upward arrow** located in the bottom middle area of the user interface to expand the panel.






4. Press the desired **service desk** image to view details, for example, IT Support.



5. Click on the **Email**  icon  from the displayed options respective to service desk profile.




6. The Chemtourage email panel will default to the respective recipient service desk Chemtourage email address in the “**To**” email address field. The “**From**” email address will default to donotreply@chemwatch.net and note that if you change this address, your message may not be accepted by spam-filters due to strict security settings. The subject line default to “Chemtourage”. Click on the “**Subject**” field to enter the email subject.
7. **Type** your comments or details about your inquiry in the “**Comments**” text field.
8. In the “**Reply to**” email  address field, provide us with your work email address for a quicker response from the Chemwatch support team. This email  address will also be used to lodge a ticket when applicable and be able to email  you back with a response.
9. Once all the fields are filled, click the “**Send**” button to submit your inquiry.

The screenshot shows an email composition window titled "IT SUPPORT". At the top, it says "Please separate multiple recipients email ids with comma(s)". The form fields are: "To" (it@chemtourage.net), "From" (donotreply@chemwatch.net), "Subject" (Chemtourage), "Comments" (empty text area), and "Reply to" (helpdesk@chemwatch.net). A "Send" button is at the bottom right. Red circles with numbers 6, 7, 8, and 9 are overlaid on the Subject, Comments, Reply to, and Send button respectively. A note below the From field states: "NOTE: If you change From address your message may not be accepted by spam-filters implementing strict security settings." Below the Reply to field, it says: "Please use this field to provide us your e-mail for a quicker response from Chemwatch support team."

### What happens after submitting an Inquiry by Email?

The email inquiry will be sent to the respective Chemtourage Agent (Chemwatch service department specialist) responsible for processing the request. If a ticket is required after troubleshooting, you will be notified by email response with access to the ticketing system. If the request pertains to a particular service desk and does not necessarily require a ticket, an email response will be sent to you.

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 For more information about general help and support, contact [helpdesk@chemwatch.net](mailto:helpdesk@chemwatch.net) or simply use the chat panel to submit an inquiry. Download the Chemwatch Ticketing System Guide [here](#).

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## Glossary

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ADM	Domain Administrator of the Chemwatch system within your organisation
ADG	Australian Dangerous Goods Code
AuthorITe	Create SDS application module
CAS	Chemical Abstract Substance
CHEMTOURAGE	Chemwatch Entourage for service desk support
COBRA	Control Banding Risk Assessment
COSHH	Control of Substances Hazardous to Health
CREDITE	Create Mixture application module
CW No	Chemwatch Number
DE	Data Extraction
DET	Chemwatch system Data Extraction Tool
DG	Dangerous Goods
DGEN	Document Generator for Labels module
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System for the Classification of Hazardous Chemicals and Labelling
IFC	International Fire Code, USA
ILO	International Labour Organisation, United Nations
NFPA	National Fire Protection, USA
OEL	Occupational Exposure Limit
PKG	Packing Group for Dangerous Goods
Planfix	Chemwatch CRM Ticketing System
PTN	Project Tracking Number
RA	Risk Assessment
SDM	Domain Sub-Administrator of the Chemwatch System within your organisation
SI	International System of Units

SISOT	ScanIn ScanOut Technology module
SMA	SiSoT Mobile App
SMARTSUITE	Smart Vendor, Gold, Mini SDS, Emergency Response Mobile App
SR	Subsidiary Risk for Dangerous Goods
SUSMP	Classification of Medicines and Poisons in Australia
UGD	User Gold Data
UI	User interface
UN	United Nations
VGD	Vendor Gold Data

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# 1.0 Introduction

**GoldFFX** is a Chemwatch web application developed for the management of SDS for chemicals used, stored or transported. This system is amalgamated into the following modules, dependent on the current subscription. The following modules are the standard GoldFFX package.

## MODULES



### Home

- Search for materials
- Create a digital manifest to mirror your sites
- Add materials and edit quantities
- Create report template to export data



### D-Gen Lab

- Create a new document template
- Create a new label document template
- Create a custom label document
- Generate a document or label



### Chemwatcher

- View the dashboard status of SDS requests
- Get statistics for Age of SDS Breakdown, Availability
- Get status of Vendor SDS Age Status and VGD data
- View PTN History and status of PTNs
- Export PTN history data



### Systems Dashboard

- Access to the systems dashboard widgets
- Use widget options to generate statistical and graphical representation of data
- Track user activity



### Risk Assessment

- Perform health risk assessments based on ILO model
- Perform storage, transport risk assessments
- Generate a risk assessment job report
- Generate a risk assessment report with approval



### Credo

- Create a new mixture (solution)
- Create a new concentration mixture
- Add mixture to your inventory
- Generate a label document, Mini SDS for your mixture

And many more...



### Manifest & Hazards

- Filter your inventory records by;
- Hazards and Dangerous Goods
  - SARA
  - Incompatibility Report
  - REACH Uses...



### Systems Settings

- Set up user permissions and privileges
- Set up filters
- Configure SiSoT settings
- Set up Manifest settings
- Configure approvals workflow and settings

And many more...

The GoldFFX application contains a variety of modules and features geared towards managing and generating chemicals related information. The list below provides an overview of available features within the system.

# MODULES' FEATURES



## Managing Tags

- Create manual, automatic or mixed tags
- Associate tags with Query Builder
- Display tags column in the manifest grid
- Filter inventory records by specific tags



## Form Builder

- Create form templates
- Choose the type of form fields
- Add fields
- Set country and language



## Report Generator Method Builder

- Create a template for specific data points
- Select a theme and format
- Exporting data into spreadsheet format



## Feature Meter

- Switch user interface skill level
- View simple to advanced user interface mode  
Backpack Light, Backpack, GoldFFX, Chemeritus



## Download Inventory Data

- Download inventory data in various file formats
- Print list in html, pdf
- Generate external links for Gold, Mini, Labels and Vendors data
- Download offline archive data



## Query Builder

- Create a search query
- Select search method for the query
- Set search operands
- Set search to query ingredients also
- Share query And many more...



## IFC/NFPA Reporting


- Set up IFC folders
- Set up NFPA Occupancy folders
- Generate IFC reports for Health and Physical Hazards
- Generate NFPA reports for Health and Physical Hazards



## Sort and Filter Manifest

- Sort inventory by ascending/descending order
- Filter data within the grid by header columns  
Hazard Rating, Catalogue Name, Vendor, Volume/Weight And many more...








GoldFFX features can be upgraded to include ScanIn ScanOut Technology (Sisot)  module for managing product container inventory, Approvals and/or IFC/NFPA Filter Feature. This user guide does not include the Sisot and Approvals Modules. For more information, contact [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net) to discuss subscription options.



The Chemwatcher module is also not covered in this guide as it is generally accessible to the ADM and/or users that have been granted permission to use this module to track SDS acquisitions and PTN requests on behalf of your organisation. Should you require access to this module, contact your GoldFFX administrator (the ADM). If access to the Chemwatcher module has been granted, contact your Chemwatch Account Manager to provide a link to download the Chemwatcher User Guide or simply send an email to [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net)

## 2.0 Search, Create Manifest, Add Materials, Edit Quantities and Create Export Report

This chapter will cover the following main objectives;

-  Home
-  Search for materials
-  Create a digital manifest to mirror your sites
-  Add materials and edit quantities
-  Create report template to export data

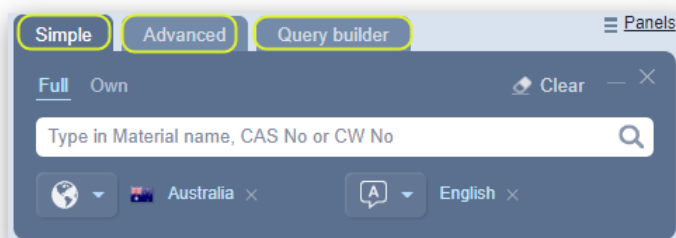
### 2.1 Search for Materials

This topic will cover the following objectives;

- Search for material to display a Gold SDS
- Search for material to display a Vendor SDS
- Search for material to display a Mini SDS
- Search for material to display a label
- Search for material to display Emergency Report
- Search for material to display a TREM Card
- Search for material by Cat Name
- Search for material by Vendor Name
- Search for material from OWN Inventory
- Search for material to display a Vendor SDS
- Search for material using Advanced options








The search for materials can be achieved through the following search mode options available in the search panel.








Search Option	Details
<b>Simple Search</b>	Search for materials by material name or product name, CAS No. or CW No.
<b>Advanced Search</b>	Search for materials by name, CAS No, CW No, CAS No (Ingredient In), DG Class, Packing Group, R-Code, Sub-Risk, UN No, EINECS, Part No, Vendor, Structure, Poison Schedule, Cat No. and Hazard Rating.
<b>Query Builder</b>	Search for materials by using an existing query (determined by the type of operators and query string). Note that a query must first be created before conducting any subsequent searches.

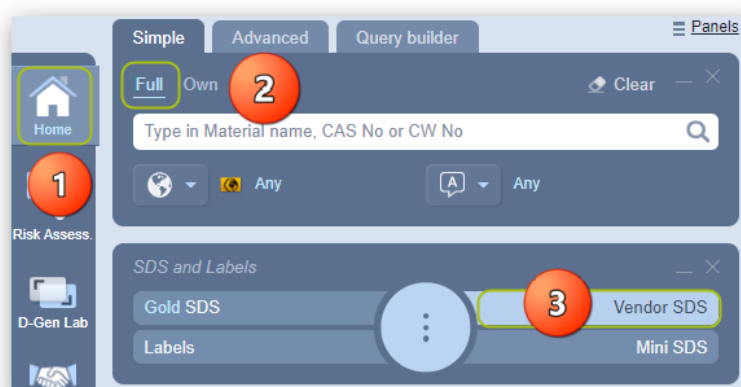
## 2.1.1 Search by Material Name





The following illustrates the sequence of steps on **how to use the simple search autocomplete method**, to look up  for a Vendor SDS by Material (Chemwatch) Name from the full Chemwatch database collection .

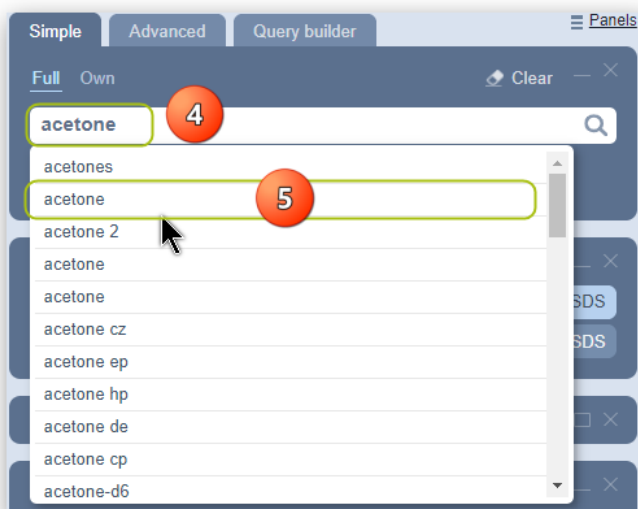
 If the material or chemical or product is available, a search list  result will display, however, if no material is found, the search result will display the message "no records found". In this case, send a request to upload Vendor SDS through the email  address below and ensure to attach the latest version of the SDS; [msdsuploads@chemwatch.net](mailto:msdsuploads@chemwatch.net).

### Steps

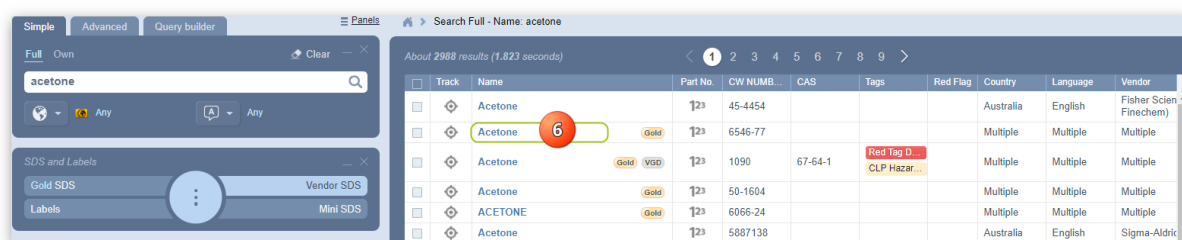
1. In **Home module** , press the Simple search tab (if it's not already the default mode).
2. Press  the '**Vendor SDS**' button from the SDS panel to set the type of document .
3. Click  the '**Full**' option in the Search panel to set the database path to the Full collection to look up  for the Vendor SDS from the Chemwatch full database.




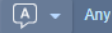
4. Type  the **material or chemical name** in the Name/CAS free text field .
5. **Select**  the **material or chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.



6. Select the name of the material by a specific vendor of interest to display a list of available multiple vendors.



7. Select the country checkbox by a clicking on the respective checkbox from the sidebar filter.

**i** In this worked example, the search criterion is set to look up for SDS for any country  and any language  and therefore the search results table contains any SDS from any country/language. In your organisation, you may have country and language already set users, if such is the case, then you will only get search results relevant to your filters set by the administrator. However, there's also an option to set the country and language within the search panel before performing the search to ensure that your search results are drawn from the database based on your search criterion.

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	SANIMAXX	Ecolab	SDS	English	Australia	Primary	29/09/2019
	123	Acetone	The Boeing Company	SDS	English	United States	Primary	11/09/2019
	123	ARL-67156 TRISODIUM SALT HYDRATE	American Custom Chemicals	SDS	English	United States	Secondary	22/08/2019
	123	Acetone	Wako Chemicals (a part of Fujifilm)	SDS	English	Japan	Secondary	16/08/2019
	123	ACETONE	Cone Solvents	SDS	English	United States	Primary	13/08/2019
	123	Acetone	Recochem	SDS	English	Canada	Primary	24/07/2019
	123	N dodecanoyl-L-Homoserine lactone-3-hydr	Cayman Chemical	SDS	English	United States	Secondary	01/07/2019
	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
	123	Acetone	Post Apple Scientific	SDS	English	United States	Primary	25/05/2019
	123	Acetona AnalAR NORMAPUR Reag. Ph. Eu r., Reag. USP, ACS	VWR (Part of Avantor)	SDS	Spanish	Spain	Secondary	24/05/2019
	123	Acetone extrapure, 99%	Sisco Research Laboratories	SDS	English	India	Secondary	09/05/2019
	123	LM 48 Montagepaste 50 g	Liqui Moly GmbH	SDS	English	United Kingdom	Secondary	08/05/2019
	123	Acetone for HPLC & UV Spectroscopy, 99.9%	Sisco Research Laboratories	SDS	English	India	Secondary	30/04/2019
	123	Acetone	Fisher Scientific (Ajax Chemicals)	SDS	English	United States	Primary	25/04/2019
	123	Acetone	Acros Organics (Fisher Scientific)	SDS	English	United States	Primary	25/04/2019

8. Filter your searched document (Vendor SDS) list by using the language specific checkbox filter to narrow the search, if your language is not showing on the default language list, click on “More” to select a desired language and click apply. Note that you can select more than one language.

More languages

- Croatian
- Czech
- Danish
- Dutch
- English
- Estonian
- Finnish
- French
- German
- Greek
- Hungarian
- Icelandic
- Indonesian
- Italian
- Japanese
- Korean
- Latvian

APPLY CANCEL

9. Select the name of the document by a specific vendor of interest to render (display or load) the Vendor SDS document). The worked example filters are set for “the latest Australian, English Vendor SDS” as shown below.



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
<input type="checkbox"/>	123	SANIMAXX	Ecolab	SDS	English	Australia	Primary	29/09/2019
<input type="checkbox"/>	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
<input type="checkbox"/>	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	29/03/2019
<input type="checkbox"/>	123	Acetone	RF Composites	SDS	English	Australia	Primary	01/03/2019
<input type="checkbox"/>	123	acetone	HiChem Industries	SDS	English	Australia	Primary	05/02/2019
<input type="checkbox"/>	123	ACETONE	Ixom Operations Pty Ltd	SDS	English	Australia	Secondary	20/11/2018
<input type="checkbox"/>	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
<input type="checkbox"/>	123	Acetone [for Spectrophotometry]	Tokyo Chemical Industry Co (Tokyo Kasei Kogyo Co)	SDS	English	Australia	Secondary	10/10/2018
<input type="checkbox"/>	123	Acetone	Hawley International	SDS	English	Australia	Primary	15/09/2018
<input type="checkbox"/>	123	ALCOHOL 70%	Petrus Pharmaceuticals	SDS	English	Australia	Primary	22/08/2018
<input type="checkbox"/>	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	17/07/2018
<input type="checkbox"/>	123	Acetone	Australian Biostain P/L	SDS	English	Australia	Primary	12/07/2018
<input type="checkbox"/>	123	Acetone EMPLURA	Merck	SDS	English	Australia	Primary	27/06/2018
<input type="checkbox"/>	123	Acetone for gas chromatography ECD and FID SupraSolv®	Merck	SDS	English	Australia	Secondary	26/06/2018
<input type="checkbox"/>	123	Acetone EMPROVE® ESSENTIAL Ph Eur,B P,JPE,NF	Merck	SDS	English	Australia	Secondary	26/06/2018

10. The vendor SDS is displayed.

Safety Data Sheet

1 / 9

**Sigma-Aldrich** [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

**SAFETY DATA SHEET**

Version 6.0  
Revision Date 29.03.2019  
Print Date 22.06.2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**  
Product name : Acetone  
Product Number : 179973  
Brand : SIGALD  
CAS-No. : 67-64-1

**1.2 Other means of identification**  
No data available


**1.3 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses : For R&D use only. Not for pharmaceutical, household or other uses.

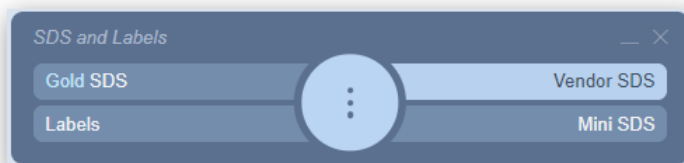
**1.4 Details of the supplier of the safety data sheet**  
Company : Sigma-Aldrich Pty. Ltd.  
12 Anella Avenue  
CASTLE HILL NSW 2154  
AUSTRALIA  
Telephone : +61 1800 800 097  
Fax : +61 (0)2 9841 0500

11. Print , save  or email  the SDS.

### 2.1.1.1 Display other SDS Type of Documents and Labels



















#### The SDS and Labels Panel





















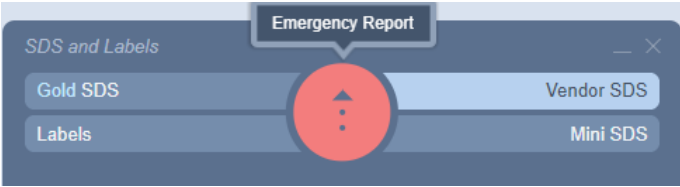
The SDS and Labels panel contains various types of buttons that enable users to select a particular document type, such as Vendor SDS  in order to display a specific report for a material. These types of documents are summarized in the table below.

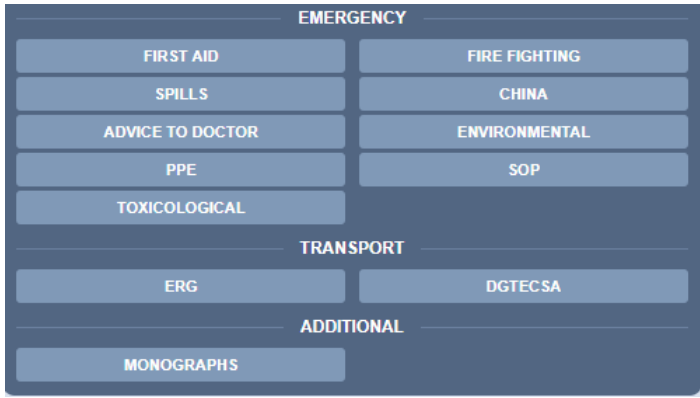


Panel	Document Type	Use
<b>SDS and Labels panel</b>	Vendor SDS, Gold SDS, Mini SDS, Labels and Emergency Reports	To enable user to select a document type of button in order to display the respective document.

Below are further descriptions of each type of document (Gold SDS, Vendor SDS, Mini SDS, Labels and Emergency reports).

Doc Type	Description										
<b>Gold SDS</b> 	<p><b>Gold SDS</b></p> <p>A Gold SDS is a Chemwatch independently authored safety data sheet which contains the latest regulatory compliance classifications. All regulated formats support GHS, REACH, Chinese, Japanese, Korean, NZ, etc, in almost 50 languages. All Gold SDS are colour coded in accordance with the Chemwatch hazard rating criteria; flammability, toxicity, body contact, reactivity and chronic, concluded as;</p> <table border="1"> <tbody> <tr> <td></td> <td>Minimum/Non-hazardous</td> </tr> <tr> <td></td> <td>Low</td> </tr> <tr> <td></td> <td>Moderate</td> </tr> <tr> <td></td> <td>High</td> </tr> <tr> <td></td> <td>Extreme</td> </tr> </tbody> </table> <p>An example Gold SDS report is available for reference in the appendix of this guide.</p>		Minimum/Non-hazardous		Low		Moderate		High		Extreme
	Minimum/Non-hazardous										
	Low										
	Moderate										
	High										
	Extreme										
<b>Vendor SDS</b> 	<p><b>Vendor SDS</b></p> <p>A Vendor SDS is a manufacturer's safety data sheet for the product sold in the global market place. This type of document is subject to legal interpretation where applicable. The latest vendor SDS has to be not more than five years old to meet compliance requirements (must be up to date). A sample Vendor SDS example report is available for reference in the Appendix.</p>										
<b>Mini SDS</b> 	<p><b>Mini SDS</b></p> <p>Gold SDS is a Chemwatch independently authored safety data sheet which contains the latest</p>										

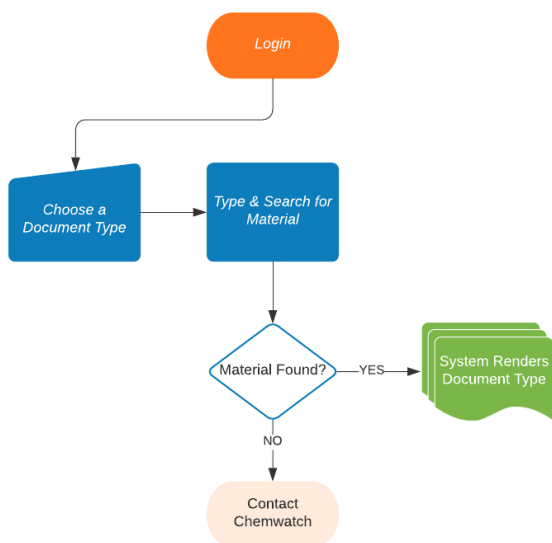
Doc Type	Description										
	<p>regulatory compliance classifications. All regulated formats support GHS, REACH, Chinese, Japanese, NZ, etc, in almost 50 languages. All Gold SDS are colour coded in accordance with the Chemwatch hazard rating criteria; flammability, toxicity, body contact, reactivity and chronic, concluded as;</p> <table border="1" data-bbox="368 427 1378 763"> <tr> <td></td> <td>Minimum/Non-hazardous</td> </tr> <tr> <td></td> <td>Low</td> </tr> <tr> <td></td> <td>Moderate</td> </tr> <tr> <td></td> <td>High</td> </tr> <tr> <td></td> <td>Extreme</td> </tr> </table> <p>A sample Mini SDS example report is available for reference in the <a href="#">Appendix</a>.</p>		Minimum/Non-hazardous		Low		Moderate		High		Extreme
	Minimum/Non-hazardous										
	Low										
	Moderate										
	High										
	Extreme										
<p><b>Labels</b></p> 	<p><b>Labels</b></p> <p>These types of labelling templates  are created by Chemwatch to make them available for use. They come in various formats and languages, sizes, etc. Most are designed in A4 legal page; however, a user defined customization module, DGEN is available to create new templates that meet specific compliance requirements with a variety of datapoints to draw information from when generating labels or scientific documents  . Examples of Label templates are available for reference in the Appendix.</p>										
<p><b>Emergency</b></p> 	 <p>Emergency response documents are generated for all chemicals in the system. If data extraction has not been carried out, then those types of chemicals will not display any emergency reports. However, user defined data extraction can be used to extract classification data and then generate the respective type of emergency report; First Aid, Spills, Advice to Doctor, PPE, Toxicological, Fire Fighting, CHINA, Environmental, SOP, ERG and Monographs. More information on Emergency Reports is available for reference in the appendix of this guide.</p>										

Doc Type	Description
	 <p>Examples of emergency reports are available for reference in the <a href="#">appendix</a>.</p>

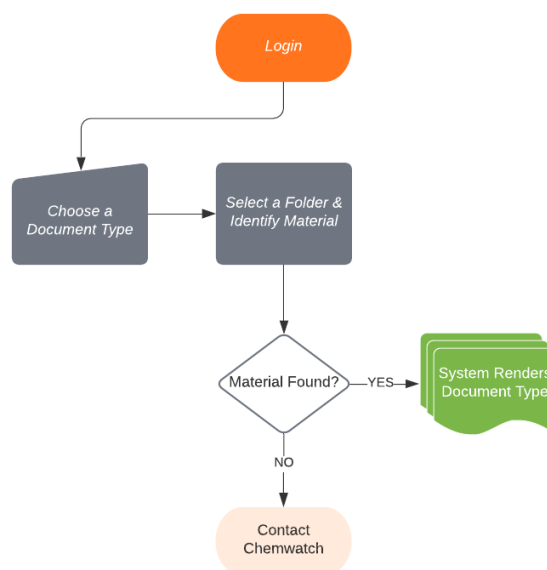
### Displaying the Document Type from the SDS and Labels Panel

The flow charts below illustrate how to display a type of document.


Search for Material Flowchart




Material View from a Folder









#### 2.1.1.1.1 Search for Material to Display a Gold SDS

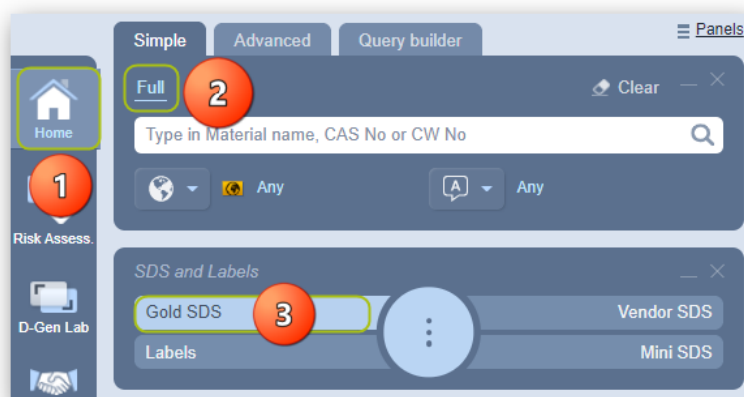
The following steps demonstrate **how to use the simple search autocomplete method**, to search  for a material from the full Chemwatch database collection to display a Gold SDS.





**i** If the material or chemical or product is available, a search list  result will display, however, if no material is found, the search result will display the message "no records found". In this case, send a request to [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net) to get a Gold SDS authored. Note that this task may incur costs.

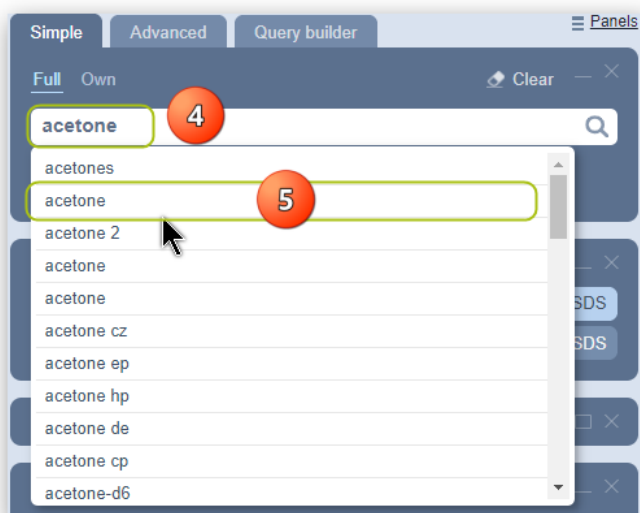
## Steps

In the **Home module** , select  the Simple search tab (if it's not already the default mode).

1. Press  the **Gold SDS button** from the SDS panel to set the type of document .
2. Click  the **'Full'** option in the Search panel to set the database path to the Full collection to look up  for the Vendor SDS from the Chemwatch full database.



3. Type  the **material or chemical name** in the Name/CAS free text field .
4. Select  the **material or chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.





5. Select  the **name of the material** by a CW number to display the Gold SDS (if available).

About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone		123	1090	67-64-1	CLP Hazar... Red Tag D...			
	Maxi Acetone		123	23-0296					
	GSB Acetone		123	42-5864					
	Damar Acetone		123	5016-94					
	benzylacetone		123	39405	2550-26-7				
	JW Acetone		123	23-0275					

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1

 The Gold SDS depends on whether Chemwatch has authored the Gold SDS) and if available, the  button will be displayed on the material's search results table as shown below with a tag description for "Chemwatch classification availability".



About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone		123	1090	67-64-1	CLP Hazar... Red Tag D...			
	Maxi Acetone		123	23-0296					
	GSB Acetone		123	42-5864					
	Damar Acetone		123	5016-94					
	benzylacetone		123	39405	2550-26-7				
	JW Acetone		123	23-0275					

Chemwatch classification is available.

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1

- The Gold SDS document will be rendered (displayed or loaded) on screen. Wait until the rendering of the Gold SDS html document is completed.

 The Gold SDS country, language and format is based on the respective SDS Settings  applied by default as per the system's profile. The example of the Gold SDS below is set to Country = Australia, Language = English and SDS Format = GHS. These settings are applied based on the business jurisdictional operations to ensure that the data meets compliance requirements for that particular country of operation. A Gold SDS can also be further customized in a few sections; some of the customisation include; Your Company Logo, First Aid Contact Information (e.g., section 4).

**ACETONE**  
Mera Chemicals

Chemwatch: 1080  
Version No: 4.1.1.1  
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 3  
Issue Date: 26/02/2018  
Print Date: 08/12/2013  
L.GHS.AU.SEN

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifier**

Product name	ACETONE
Chemical Name	acetone
Synonyms	C3-H6-O, CH3COCH3, propanone, pyruvic acid, pyruvic ether, 2-propanone, beta-ketopropane, methyl ketone, propan-2-one, dimethyl ketone, ketone, dimethyl ketone propane, dimethyl formaldehyde, RF Services, RCRA Waste No. U002, EM000739, APS RETL00020006 UCH000002546 RDEH06009000, SPOL00000585 AR0000006 UL0000007 MAB00004946; Ashland Acetone ECD Mobil #78033 971934; J.T.Baker Chem-Supply, Product code: 11831, Product Code: 1.00014, Product Code: 100014
Proper shipping name	ACETONE
Chemical formula	CH3COCH3
Other means of identification	1.1.1, 1.2.3, 111, 2082, 444, 56789, 578X, 97, Product Code 45
CA 8 number	67-64-1

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified use:	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas), Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
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**Details of the supplier of the safety data sheet**

Registered company name	Mera Chemicals	Chem-Supply
Address	34 Law Court West Sunshine VIC 3020 Australia	38 - 50 Bedford Street GILLMAN SA 5013 Australia
Telephone	+613 9311 4244(0417 339927	+61 8 8440 2000
Fax	+613 9311 3755	+61 8 8440 2001
Website	Not Available	https://www.chemsupply.com.au
Email	info@merachemicals.com.au	info@chemsupply.com.au

**Emergency telephone number**

Association / Organisation	Not Available	Not Available
Emergency telephone numbers	Not Available	Not Available
Other emergency telephone numbers	Not Available	Not Available

**SECTION 2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**HAZARDOUS CHEMICAL, DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.**

**CHEMWATCH HAZARD RATINGS**

Flammability	2
Toxicity	1
Body Contact	2
Reactivity	1
Chronic	0

**NFPA 704 diamond**

Note: The hazard category numbers found in GHS classification in section 2 of this SDS are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

**Poisons Schedule** 65

**Classification (H)** Flammable Liquid Category 2, Specific target organ toxicity - single exposure Category 3 (narcoic effects), Eye Irritation Category 2A

**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from HSE; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI





**Label elements**

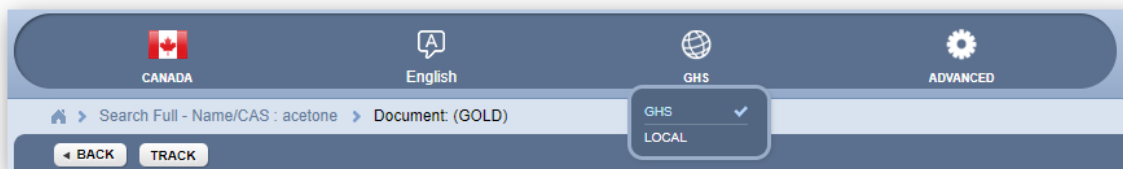
Hazard pictogram(s)


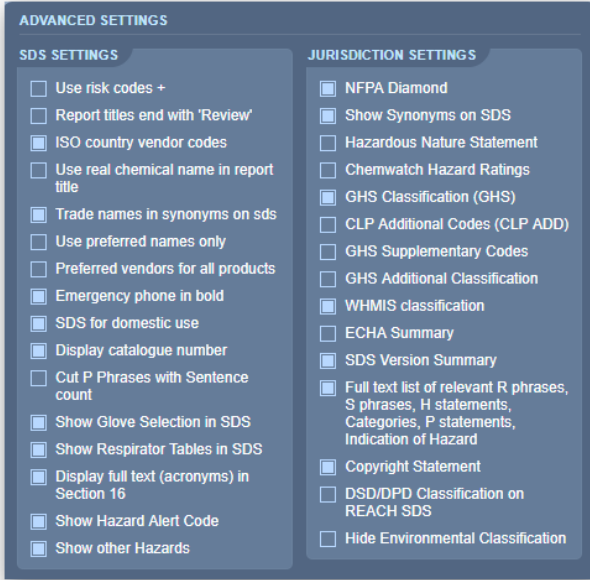
7. Apply Gold SDS filters; **Country, Language, SDS Format** or use the **Advanced** filters for your specific jurisdiction if not already set for you by default by the ADM/SDM.

AUSTRALIA ENGLISH GHS ADVANCED

Filter	Document List Toolbar Feature Description
Country	<p>Filter the Gold SDS  by a specific country. When a country is selected, this will also trigger the language(s) to be applied in the language filter field. The list of available countries is provided in the <a href="#">Appendix</a>.</p> <p>For example, if Canada is selected, two languages (English-this is the default, French – this is the secondary language) will be available to choose from the language filter option as shown below.</p>


Filter	Document List Toolbar Feature Description
	
<p>Language</p> 	<p>Filter the Gold SDS  by a specific language. The language displayed will be dependent on the selected country. The list of available languages is provided in the <a href="#">Appendix</a>.</p>
<p>GHS/Local</p> 	<p>Set the applicable Gold SDS format based on jurisdictional operation; GHS or Local. The Gold SDS will in turn render the applicable classification information. Notice section 2 of the SDS will apply the corresponding classification criteria.</p>

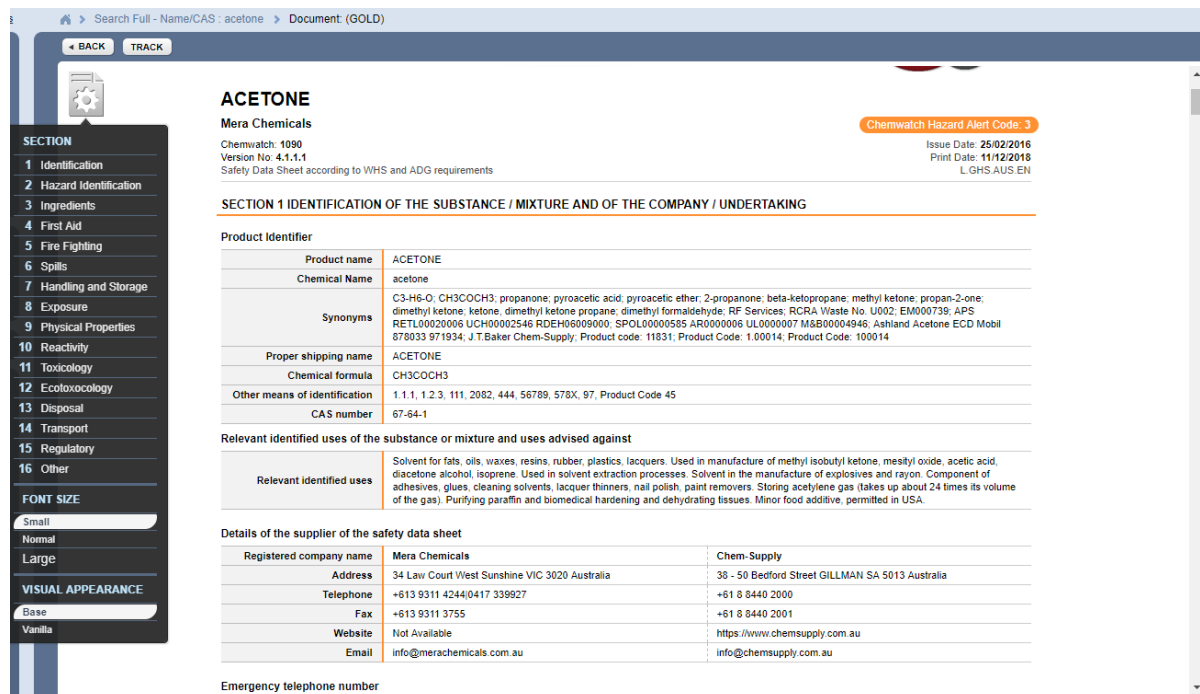


<p>Advanced Setting</p> 	<p>Based on the default SDS Settings, select required information by marking respective checkbox(es) from the two columnar settings; SDS Settings, Jurisdiction Settings.</p>
	



## Gold SDS Sections

Quick Access to specific section of the Gold SDS can be found through the Sections icon  located on the top left corner of the Gold SDS. Select the Sections icon to go the respective section of the document.



**ACETONE**  
Mera Chemicals  
Chemwatch: 1090  
Version No. 4.1.1.1  
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 3  
Issue Date: 25/02/2016  
Print Date: 11/12/2018  
L.GHS.AUS.EN

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifier**

Product name	ACETONE
Chemical Name	acetone
Synonyms	C3-H6-O; CH3COCH3; propanone; pyroacetic acid; pyroacetic ether; 2-propanone; beta-ketopropane; methyl ketone; propan-2-one; dimethyl ketone; ketone; dimethyl ketone propanone; dimethyl formaldehyde; RP Services; RCRA Waste No. U002; EM000739; APS; RETL00020006 UCH00002546 RDEH06009000; SP OLP0000595 AR00000006 UL00000007 MARS00004949; Ashland Acetone ECD Mobil 878033 971934; J.T.Baker Chem-Supply; Product code: 11831; Product Code: 1.00014; Product Code: 100014
Proper shipping name	ACETONE
Chemical formula	CH3COCH3
Other means of identification	1.1.1, 1.2.3, 111, 2082, 444, 56789, 578X, 97, Product Code 45
CAS number	67-64-1

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, mesityl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
--------------------------	--

**Details of the supplier of the safety data sheet**

Registered company name	Mera Chemicals	Chem-Supply
Address	34 Law Court West Sunshine VIC 3020 Australia	38 - 50 Bedford Street GILLMAN SA 5013 Australia
Telephone	+613 9311 4244/0417 339927	+61 8 8440 2000
Fax	+613 9311 3755	+61 8 8440 2001
Website	Not Available	https://www.chemsupply.com.au
Email	info@merachemicals.com.au	info@chemsupply.com.au

Emergency telephone number

Change the Font Size (**Small** - default), Normal, Large), choose the visual appearance setting (Base, Vanilla).

### Displaying Large font on a Gold SDS

The Gold SDS default font size in this case is set to “Small”. Selecting the large font size will increase the font size of the content as depicted below.

ACETONE	
Mera Chemicals	
Chemwatch: 1090	
Version No: 4.1.1.1	
Safety Data Sheet according to WHS and ADG requirements	
Chemwatch Hazard Alert Code: 3	
Issue Date: 25/02/2016	
Print Date: 11/12/2018	
L.GHS.AUS.EN	
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING	
Product Identifier	
Product name	ACETONE
Chemical Name	acetone
Synonyms	C3-H6-O; CH3COCH3; propanone; pyroacetic acid; pyroacetic ether; 2-propanone; beta-ketopropane; methyl ketone; propan-2-one; dimethyl ketone; ketone; dimethyl ketone propane; dimethyl formaldehyde; RF Services; RCRA Waste No. U002; EM000739; APS RETL00020006 UCH00002546 RDEH06009000; SPOL00000585 AR0000006 M&B00004946; Ashland Acetone ECD Mobil 878033 971934; J.T.Baker Chem-Supply; Product code: 11831; Product Code: 1.00014; Product Code: 100014
Proper shipping name	ACETONE
Chemical formula	CH3COCH3
Other means of identification	1.1.1, 1.2.3, 111, 2082, 444, 56789, 578X, 97, Product Code 45
CAS number	67-64-1
Relevant identified uses of the substance or mixture and uses advised against	
Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, mesityl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
Details of the supplier of the safety data sheet	

## Display Vanilla visual appearance on a Gold SDS

The Gold SDS vanilla appearance will remove the colour coded separators (table/lines) from the sections' headers, etc.

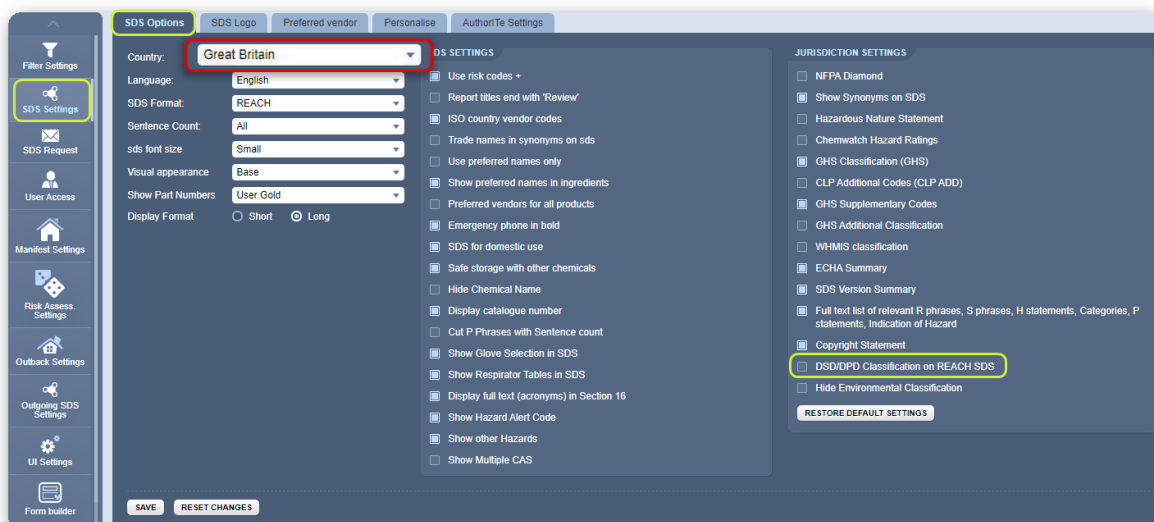
ACETONE		
Mera Chemicals		
Chemwatch: 1090		
Version No: 4.1.1.1		
Safety Data Sheet according to WHS and ADG requirements		
Chemwatch Hazard Alert Code: 3		
Issue Date: 25/02/2016		
Print Date: 11/12/2018		
L.GHS.AUS.EN		
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING		
Product Identifier		
Product name:	ACETONE	
Chemical Name:	acetone	
Synonyms:	C3-H6-O; CH3COCH3; propanone; pyroacetic acid; pyroacetic ether; 2-propanone; beta-ketopropane; methyl ketone; propan-2-one; dimethyl ketone; ketone; dimethyl ketone propane; dimethyl formaldehyde; RF Services; RCRA Waste No. U002; EM000739; APS RETL00020006 UCH00002546 RDEH06009000; SPOL00000585 AR0000006 ULO000007 M&B00004946; Ashland Acetone ECD Mobil 878033 971934; J.T.Baker Chem-Supply; Product code: 11831; Product Code: 1.00014; Product Code: 100014	
Proper shipping name:	ACETONE	
Chemical formula:	CH3COCH3	
Other means of identification:	1.1.1, 1.2.3, 111, 2082, 444, 56789, 578X, 97, Product Code 45	
CAS number:	67-64-1	
Relevant identified uses of the substance or mixture and uses advised against		
Relevant identified uses:	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, mesityl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.	
Details of the supplier of the safety data sheet		
Registered company name	Mera Chemicals	Chem-Supply
Address	34 Law Court West Sunshine VIC 3020 Australia	38 - 50 Bedford Street GILLMAN SA 5013 Australia
Telephone	+613 9311 4244/0417 339927	+61 8 8440 2000
Fax	+613 9311 3755	+61 8 8440 2001
Website	Not Available	https://www.chemsupply.com.au
Email	info@merachemicals.com.au	info@chemsupply.com.au
Emergency telephone number		
Association / Organisation	Not Available	Not Available
Emergency telephone numbers	Not Available	Not Available

## United Kingdom and Great Britain Update

**Great Britain (GB SDS)** has been created **due to Brexit**. However, Northern Ireland chemical regulations are still subject to EU laws. As such, we have updated SDS formats - the previous United Kingdom SDS format has been renamed United Kingdom (Northern Ireland), and we have also added the new jurisdiction, Great Britain, which will cover England, Scotland and Wales.

The **SDS Settings** mode enables the domain administrator to set specific Gold SDS settings and jurisdictional attributes. This mode contains a number of tabs such as the **SDS Options** tabs, where the Gold SDS settings below can be applied across the system.

The **Gold SDS** is a Chemwatch dynamic generated document and its content is dependent on the administrative parameters set for the specific domain and the format display based on the country setting in conjunction with the SDS specific settings and the jurisdictional settings.



The following table summarises the main SDS Options' parameters for Great Britain (GB SDS).


### Format SDS Setting

When a format setting from the drop-down list option is selected (active), what will the SDS settings show on the Gold SDS when rendered?

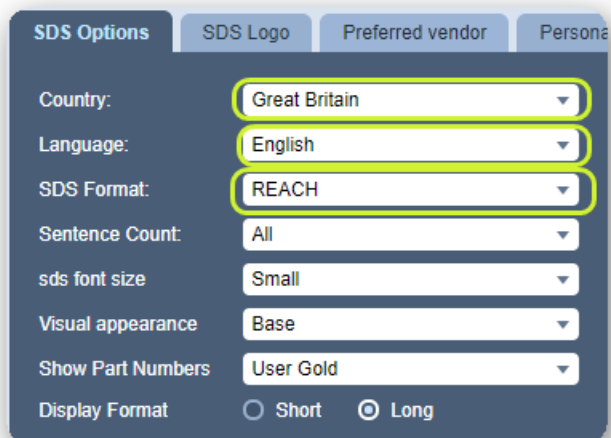
## Format SDS Setting

When a format setting from the drop-down list option is selected (active), what will the SDS settings show on the Gold SDS when rendered?

### Country

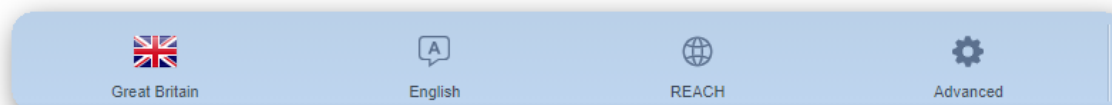
Set the specific country to Great Britain from the drop-down options to apply setting for the Gold SDS . When these changes are set, these specific settings will be automatically set to be the default for the corresponding Language and SDS Format settings. This sets the hazard classification system applicable to that particular country. See example below; where when the country is set to Great Britain, the Language is automatically set to English and SDS Format is automatically set to REACH.

Country	Language(s)	SDS Format
Great Britain	English	REACH




Note that the selected country and language are going to be the preset values for the Report Generator's Basic and Advanced tabs. More details are available in the administrative settings guide. Only the domain administrator has full access to the SDS settings mode and has the right to assign other users to set their own SDS settings for their user profiles such as the subdomain user.

When the Gold SDS is rendered, the respective Gold SDS toolbar will reflect the current active settings at the top of the user interface with Country, language and SDS format applied as shown in the next page image.



## Gold SDS Section 2: Hazard Identification

**SECTION**

- 1 Identification
- 2 Hazard Identification
- 3 Ingredients
- 4 First Aid
- 5 Fire Fighting
- 6 Spills
- 7 Handling and Storage
- 8 Exposure
- 9 Physical Properties
- 10 Reactivity
- 11 Toxicology
- 12 Ecotoxicology
- 13 Disposal
- 14 Transport
- 15 Regulatory
- 16 Other

**SECTION 2 Hazards identification**

**2.1. Classification of the substance or mixture**

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments [2] H225 - Flammable Liquid Category 2, H336 - Specific target organ toxicity - single exposure Category 3 (narcotic effects), H319 - Eye Irritation Category 2

Legend: 1. Classified by Chemwatch, 2. Classification drawn from EC Directive 1272/2008 - Annex VI

**2.2. Label elements**

Hazard pictogram(s)

Signal word **Danger**

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H319	Causes serious eye irritation.

\*LIMITED EVIDENCE

Supplementary statement(s)

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

Precautionary statement(s) General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.

## SDS Template Update for Great Britain and Mexico

Minor update on Great Britain SDS template on Sections 2 and 3 to draw classification from GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567. Minor update on Mexico to show “Other hazards” that do not contribute to the classification, in section 2.3 of the SDS.

**SDS Options**

Country: Mexico

Language: Spanish (Mexico)

SDS Format: GHS

Sentence Count: All

sds font size: Small

Visual appearance: Base

Show Part Numbers: User Gold

Display Format:  Short  Long

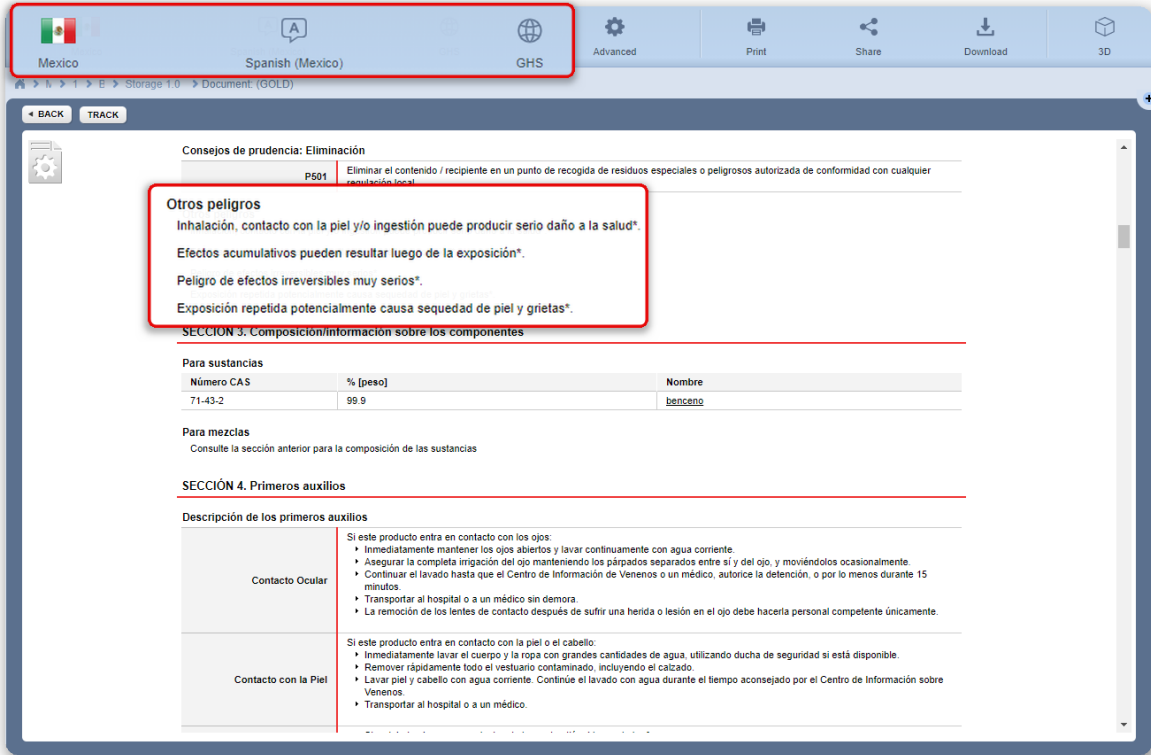
**SDS SETTINGS**

- Use risk codes +
- Report titles end with 'Review'
- ISO country vendor codes
- Trade names in synonyms on sds
- Use preferred names only
- Show preferred names in ingredients
- Preferred vendors for all products
- Emergency phone in bold
- SDS for domestic use
- Safe storage with other chemicals
- Hide Chemical Name
- Display catalogue number
- Cut P Phrases with Sentence count
- Show Glove Selection in SDS
- Show Respirator Tables in SDS
- Display full text (acronyms) in Section 16
- Show Hazard Alert Code
- Show other Hazards**
- Show Multiple CAS

**SAVE** **RESET CHANGES**

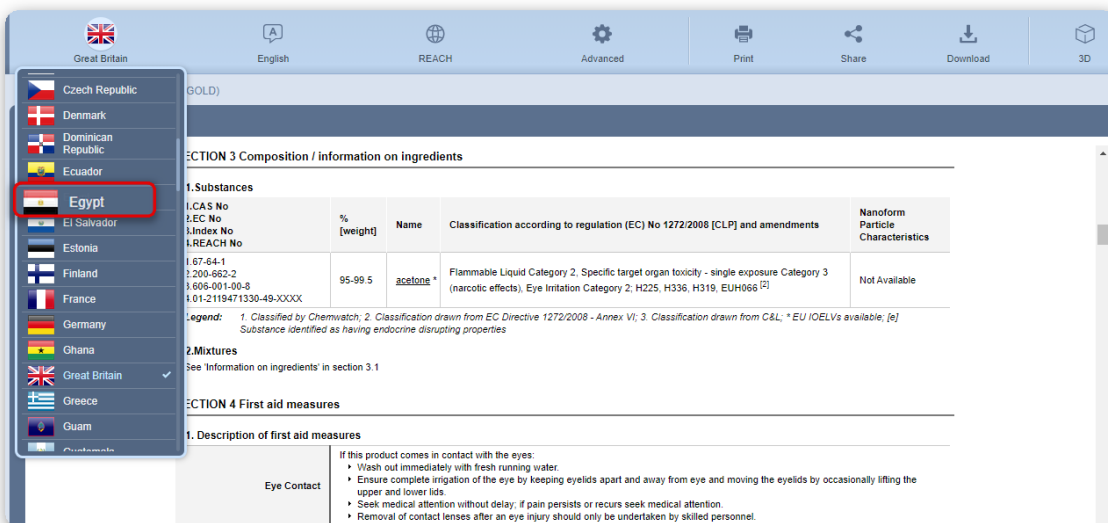
Note that the “Show other Hazards” tick box is located in the SDS Settings to enable the information to show on your Mexico SDS.

Open Gold SDS for Mexico country to view data in section 2 and 3.

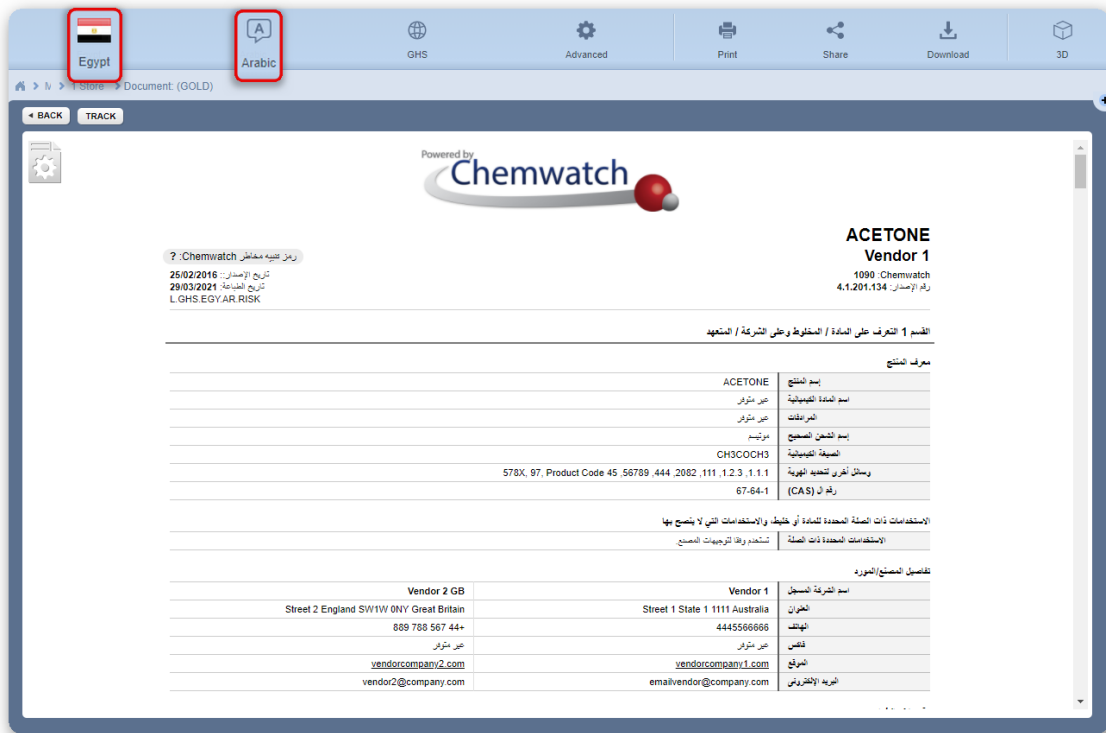


### Country “Egypt and Arabic Language Added

In SDS selection, now includes an option for Egypt. The **Country drop-down list** provides users with available supported countries to select and apply the respective country and language to set the Gold SDS.



For example, when country “Egypt” is applied, the GoldSDS will be rendered in “Arabic” language as shown below.



### New Zealand GHS Revision 7

As per EPA Hazardous Substances (Hazard Classification) Notice 2020, New Zealand has moved to GHS Revision 7. The update includes changes to Hazard Classifications that are:

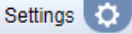

- Newly adopted such as; Flammable Gas Category 1A, Flammable Gas Category 1B, Aerosols Categories 1, 2 and 3, Desensitised Explosives Categories 1, 2, 3 and 4.
- No longer adopted such as; Flammable Gas Category 1, Acute Toxicity Category 5, Skin Irritation Category 3, Acute Aquatic Hazard Categories 2 and Category 3.
- Group Standards have been updated to follow 2020 Group Standards.
- P Codes and its phrases have been updated to follow GHS Revision 7.

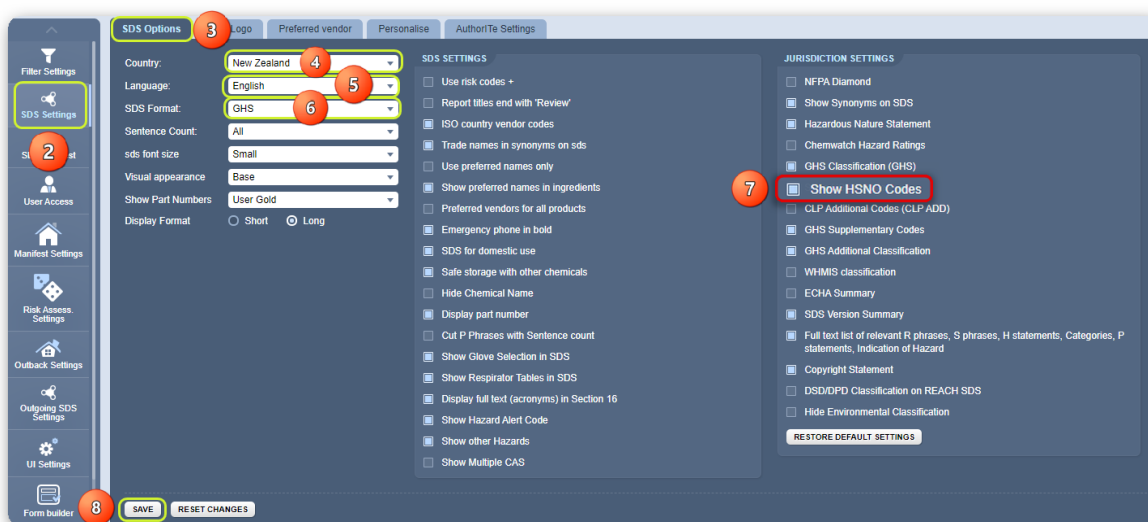
As per The Consolidated EPA Notice Hazardous Substances (Safety Data Sheets) Notice 2017, there is a minor template update regarding applicable tolerable and environmental exposure limits under Section 15 of the SDS; and HSNO Codes are no longer mandatory to show on the SDS. The SDS Settings mode enables the domain administrator to set specific SDS settings for country, language, SDS format, etc. and Jurisdictional settings attributes.

Therefore, we have added in the Jurisdiction Settings , a checkbox to allow users to hide HSNO Code from the SDS.

**i** If the “Show HSNO Code” jurisdictional setting checkbox is unchecked, this attribute will automatically hide the HSNO Code from the SDS.



### Steps: Applying Jurisdictional Setting to Show HSNO Code from the SDS

1. Click the **Settings** link .
2. Press the **SDS Settings** button  from the vertical panel on the left-hand side of the user interface.
3. **SDS Options** tab is displayed as the default settings tab.
4. Select **Country** (New Zealand).
5. Select **Language** (English).
6. **SDS Format** gets locked in automatically as its link to the selected country (New Zealand).
7. Click the **Show HSNO Code** checkbox.
8. Press the **Save** button.

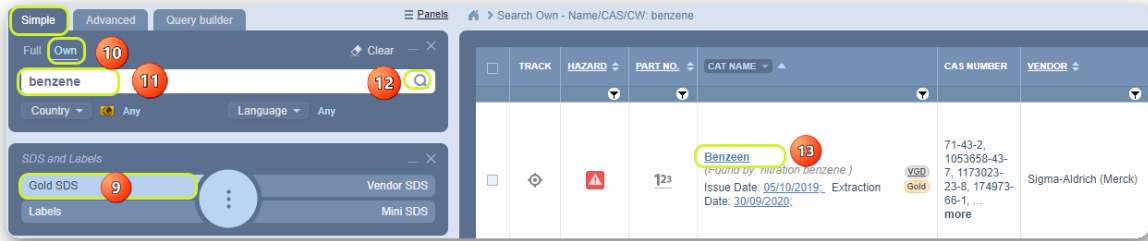


The steps below follow the above activity to show how the HSNO code display in the SDS.

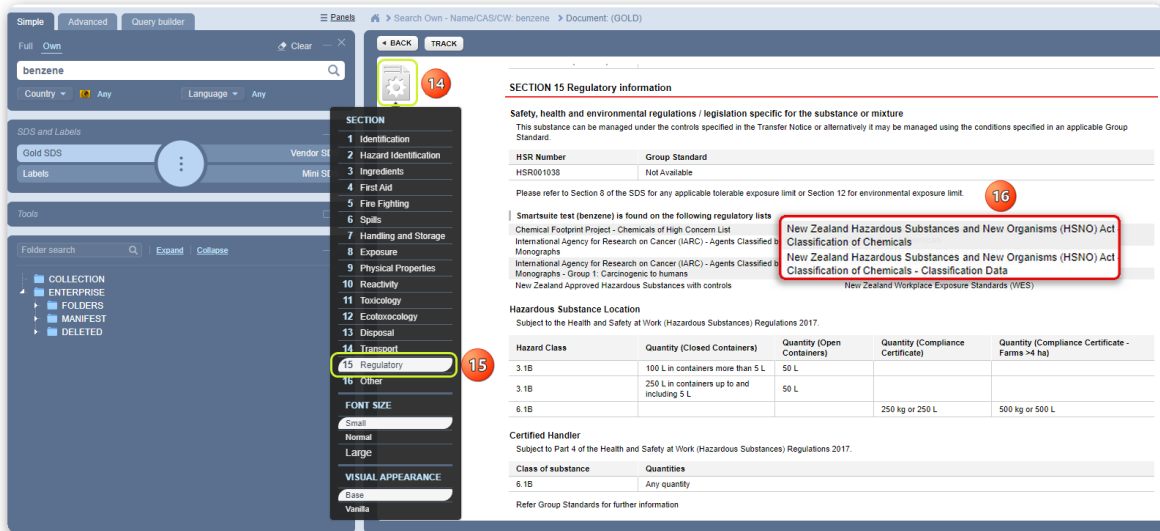
### Steps: Display HSNO Code from the SDS

9. Click the **Back Home** page button (link) .
10. Press the **Gold SDS** button from SDS and Labels panel.
11. Select **Own** search reference path from the search panel.
12. Type the **Material Name** (or product name) in the search text field
13. Click on the **Magnifying Glass**  or use the autocomplete list that get dismayed to choose material.



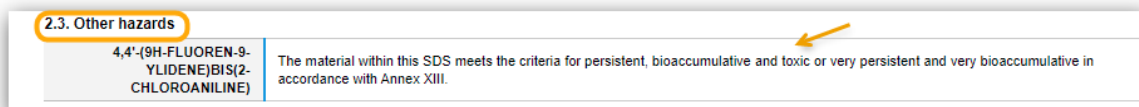


14. Click the SDS Section settings menu.
15. Select Section 15 (Regulatory) of the SDS.
16. Notice the information provided in Section 15 of the SDS – HSNO Act – Classification of Chemicals shown.

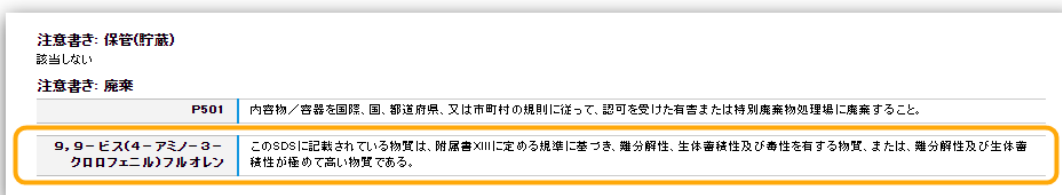


### PBT/vPvB Criteria as part of EU Revision 7 Update

Under Commission Regulation (EU) 2020/878 information of substances that meet the criteria for Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) needs to be provided under “Other hazards” in section 2.3 of the SDS. This is available for pure chemicals.



This update also affects the Japan SDS template.



Open Gold SDS for any EU country to view data.



### New Countries Added – Tunisia and Sri Lanka

Two new countries have been added, Tunisia and Sri Lanka.

- Tunisia has both English and Arabic language options

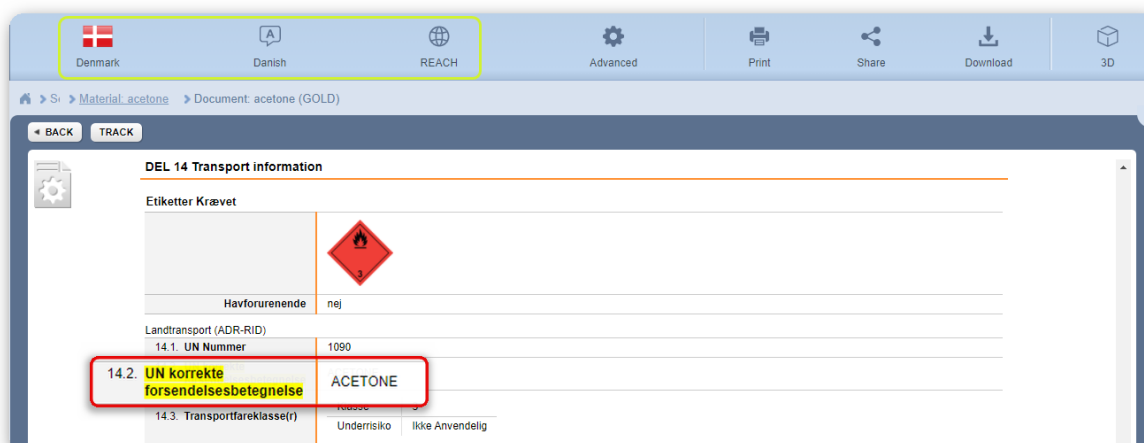


- Sri Lanka has English language as an option



### Shipping Name for Danish Language Update

The Danish Shipping Names were added as part of our new Shipping Names translation. Shipping name translations (non-English) are queried using the language of the SDS and if there's more than one record, then packing group index to retrieve the respective shipping name.



### United States California Proposition 65 Update

What you will learn in this release component are the following related features available in drawing up a Gold SDS to view Proposition 65 information:

- [How to set search criteria by country & language](#)
- [How to use the Advanced search CAS No. option](#)
- [How to display Section 15; Regulatory of the SDS](#)



We have updated the United States California Proposition 65 to display its Warning symbol and reformat the phrasing logic of the sentence in how Carcinogens and Reproductive Toxicity chemicals, or both, should be displayed in section 15 of the SDS.

Proposition 65 is officially known as the Safe Drinking Water and Toxic Enforcement Act of 1986, which protects the State of California's drinking water sources from contamination from chemicals known to cause cancer, birth defects or other reproductive harm and requires business to inform the people of California about exposures to such chemicals.









The Gold SDS section 15 reflects such warning if a chemical falls under the Proposition 65 List.

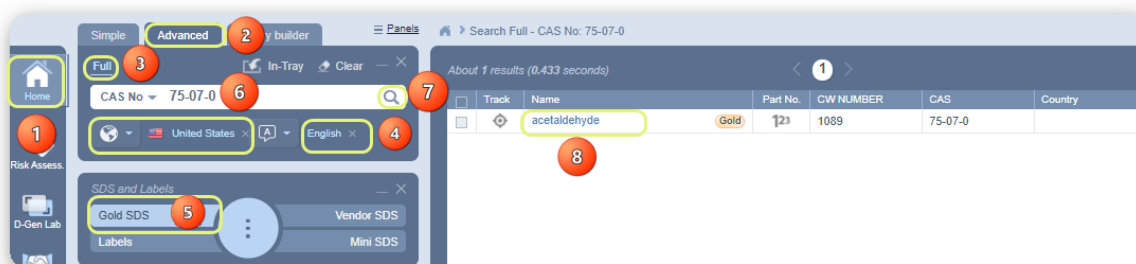
#### Proposition 65 List Example

Chemical	Type of Toxicity	Listing Mechanism	CAS No
Acetaldehyde	• Cancer	SQE (States Qualified Experts)	• 75-07-0

The steps below show a Gold SDS example for a known carcinogenic chemical and how the Proposition 65 information is displayed.

#### Steps: Display a Gold SDS with Proposition 65 Warning

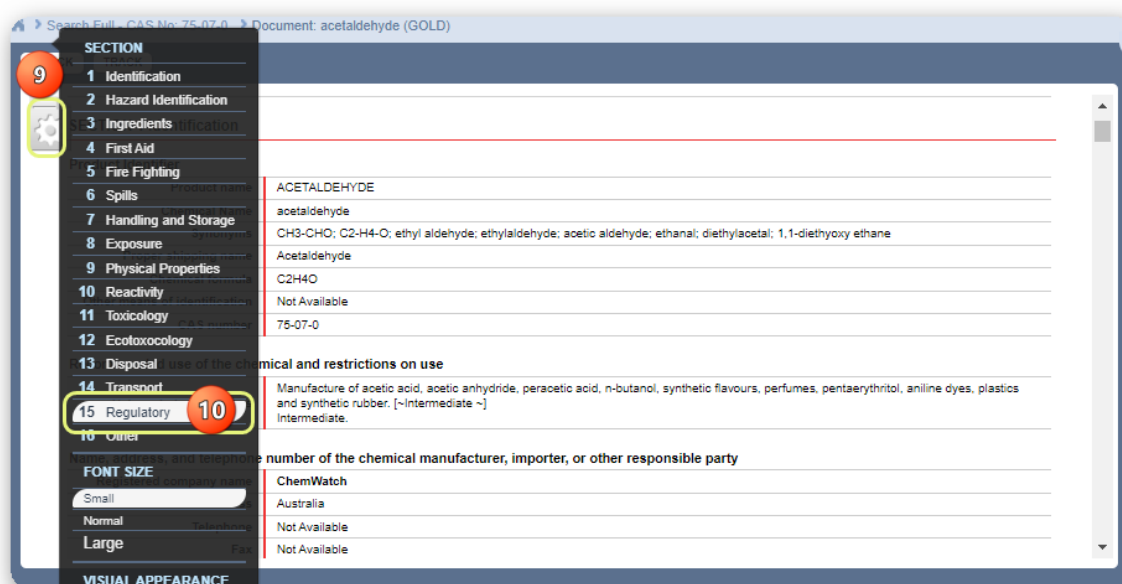
1. Click  the **Home** module .
2. Select  the **Advanced** search tab.
3. Select  the **Full** search option.
4. Set  the country and language search criteria to **United Sates and English** respectively.
5. Click  the **Gold SDS** button on the SDS and Labels panel.
6. Select  the CAS No search option from the advanced search options and enter the CAS Number, e.g., 75-07-0.
7. Press  the **Magnifying Glass** to look up for the chemical.

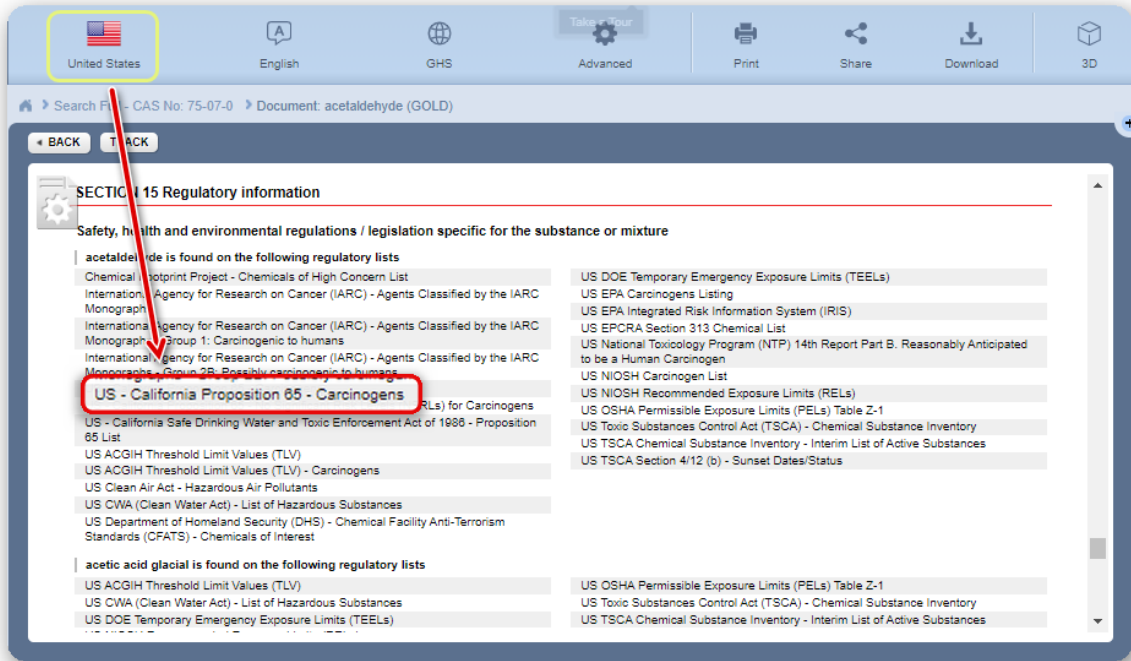


- Click the **Chemical Name** from the search results grid.  
**Gold SDS** is rendered to display on screen. Note that the Country and Language defaults to United States and English as per the set search criteria.



- Select the **SDS Section** icon
- Click **Section 15; Regulatory** to display respective regulatory information in the SDS.





We have also added the relevant Spanish translation for the new California Proposition 65 format

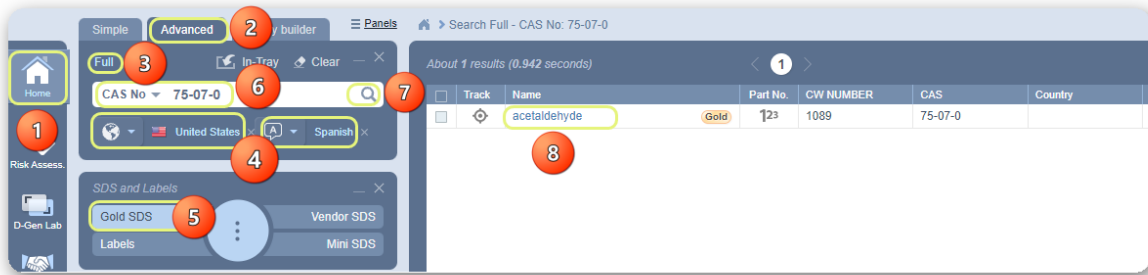
### Proposition 65 List Example

Chemical	Type of Toxicity	Listing Mechanism	CAS No
Acetaldehyde	• Cancer	SQE (States Qualified Experts)	• 75-07-0

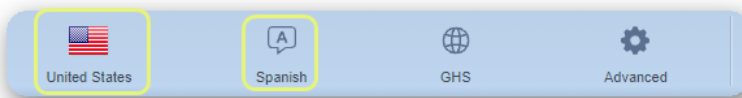
The steps below show a Gold SDS example for a known carcinogenic chemical and how the Proposition 65 information is displayed in section 15 of the US Spanish SDS.

#### Steps: Display a United States Gold SDS with Proposition 65 in Spanish

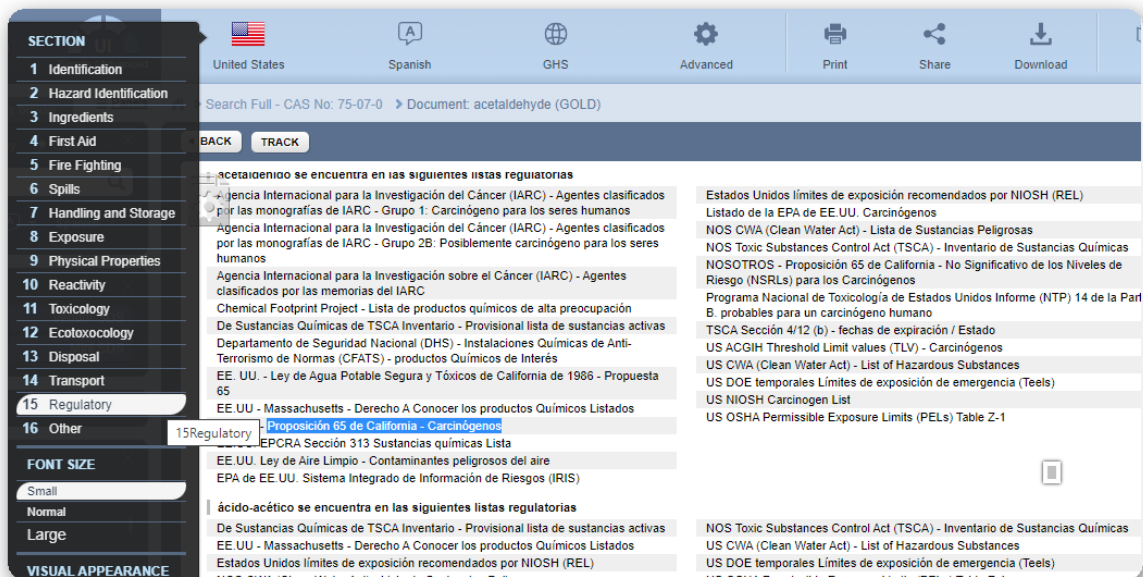
1. Click the **Home** module .
2. Select the **Advanced** search tab.
3. Select the **Full** search option.
4. Set the country and language search criteria to **United States and Spanish** respectively.
5. Click the **Gold SDS** button on the SDS and Labels panel.
6. Select the **CAS No search** option from the advanced search options and **enter the CAS Number**, e.g., 75-07-0.
7. Press the **Magnifying Glass** to look up for the chemical.



Click the **Chemical Name** from the search results grid. **Gold SDS** is rendered to display on screen. Note that the Country and Language defaults to United States and English as per the set search criteria.



8. Select the **SDS Section** icon .
9. Click **Section 15; Regulatory** to display respective regulatory information in the SDS.



## SDS Version Number Settings Update

We have added additional settings for users who choose to only show the first two digits of their SDS version number.

What you will learn in this release component are the following related features available in SDS Settings & Home Module:

- Access to SDS settings
- Assigning or not assigning SDS version number setting
- How to display Gold SDS and view SDS version number



Note this setting is accessible to the administrator of the application unless otherwise advised by the administrator.

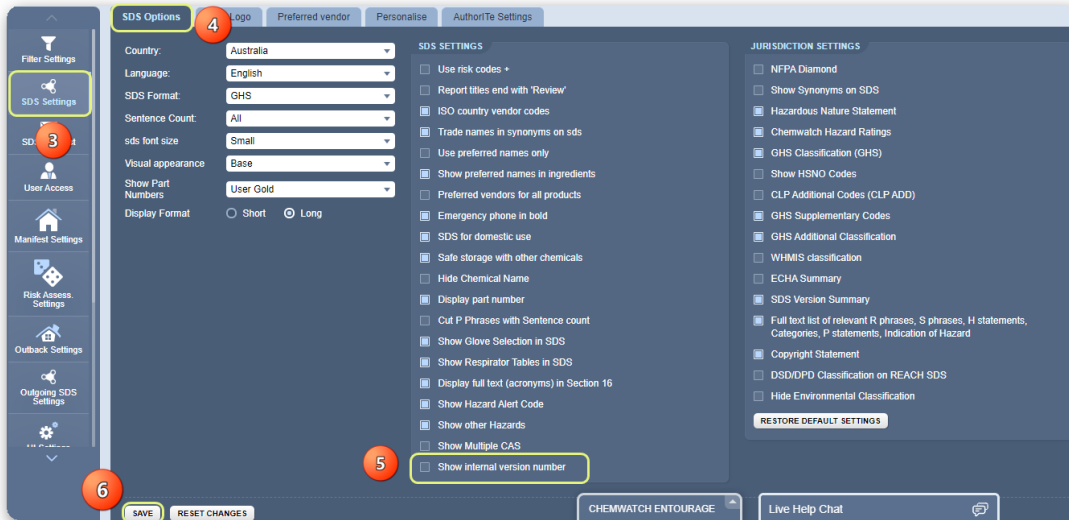
### Steps: Un-checking the SDS Version Number Setting checkbox

1. Open the applications **Home** page.
2. Click the **Settings Link**.



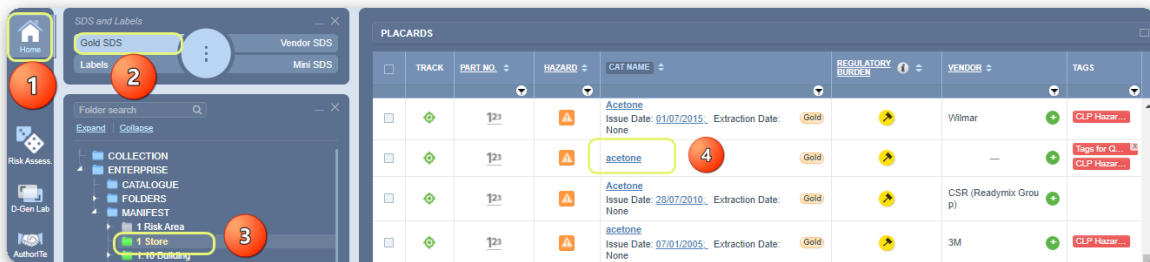
3. Click on **SDS Settings** button.
4. Select the **SDS Options** tab.
5. To show two digits version number on SDS, please make sure that your **“Show internal version number”** SDS Setting is **un-ticked**.
6. Click the **Save** button.



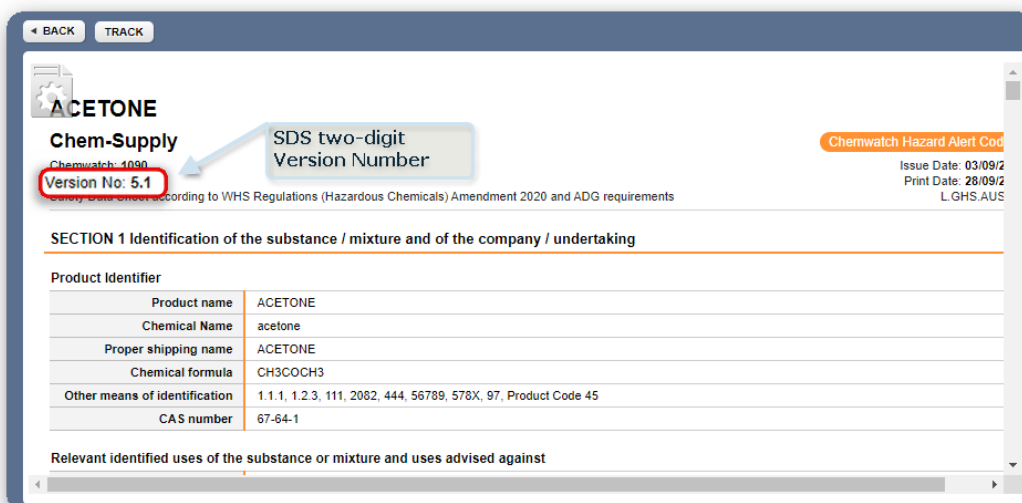


**Steps: Display an Australian English Gold SDS Version Number with Setting Un-Checked**

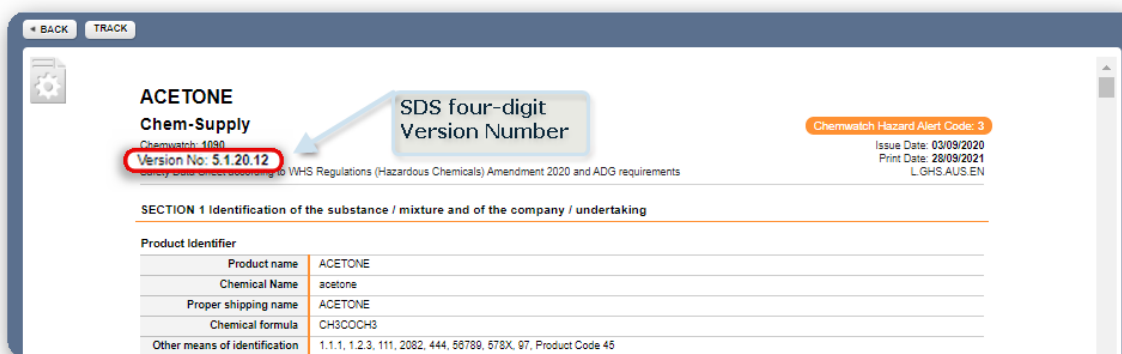
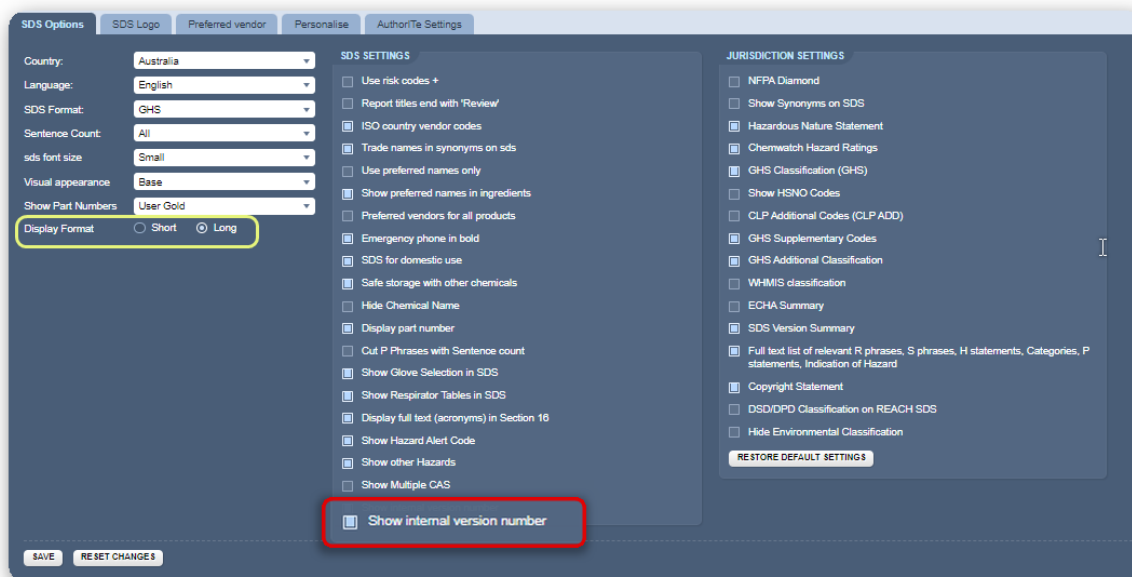
1. Click the **Home** module button .
2. Click on the **Gold SDS** button on the SDS and Labels panel.
3. Select a **Folder name** that contains an inventory.
4. Click the **Name of the Material** within the grid's inventory list.



5. **Gold SDS** is rendered to display version number.



On the other hand; selecting the “Show internal version number” setting checkbox will result in your SDS version number showing a four-digit number.





Depending on whether your Display Format is Short or Long, it may affect how your SDS Version Summary displays the different Version, Date of Update and Sections Updated under Section 16 of the SDS.

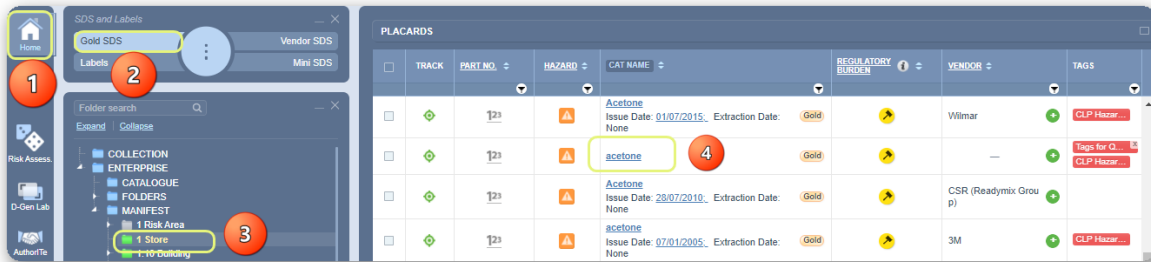
### United States P-Phrase Logic Update

Although the United States as a whole still follows GHS Revision 3 (i.e. hazard classification criteria), it came to our attention that for P-phrases; most of the phrases are derived from the GHS Revision 4 instead.

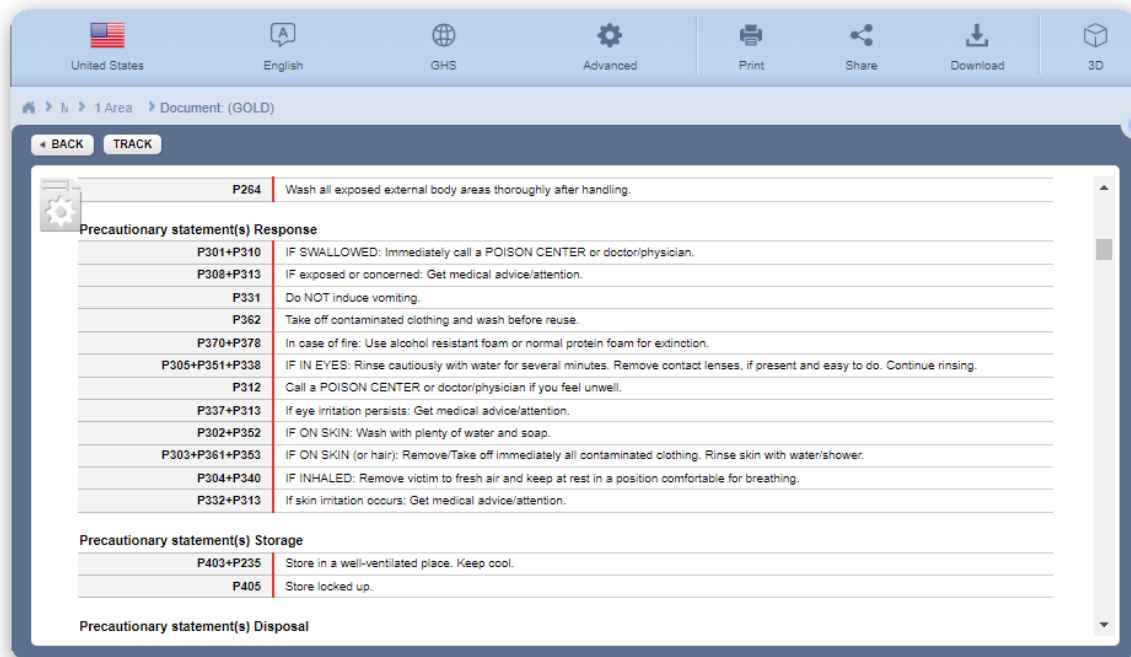
Hence we have updated the P-phrases to mostly follow GHS Revision 4 instead, *with some exceptions and some new logic in place*, for certain special cases such as P251, P244, P308+P311 and P272.

## Steps: Display a US English Gold SDS

1. Click  the **Home** module button .
2. Click  on the **Gold SDS** button on the SDS and Labels panel.
3. Select  a **Folder name** that contains an inventory.
4. Click  the **Name of the Material** within the grid's inventory list.







5. **Gold SDS** is rendered to display on screen. Refer to GHS classification in section 2.



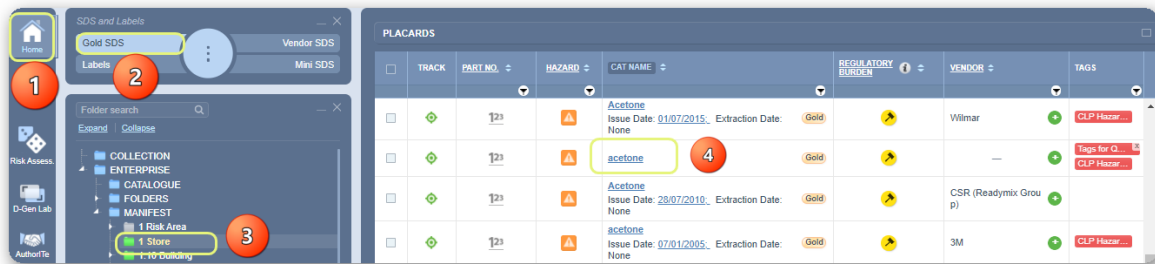
## Brazilian SDS Template Update

We have made some updates to the Brazilian SDS template. A new sub-section for 'Other adverse effects' has been added to the SDS template.

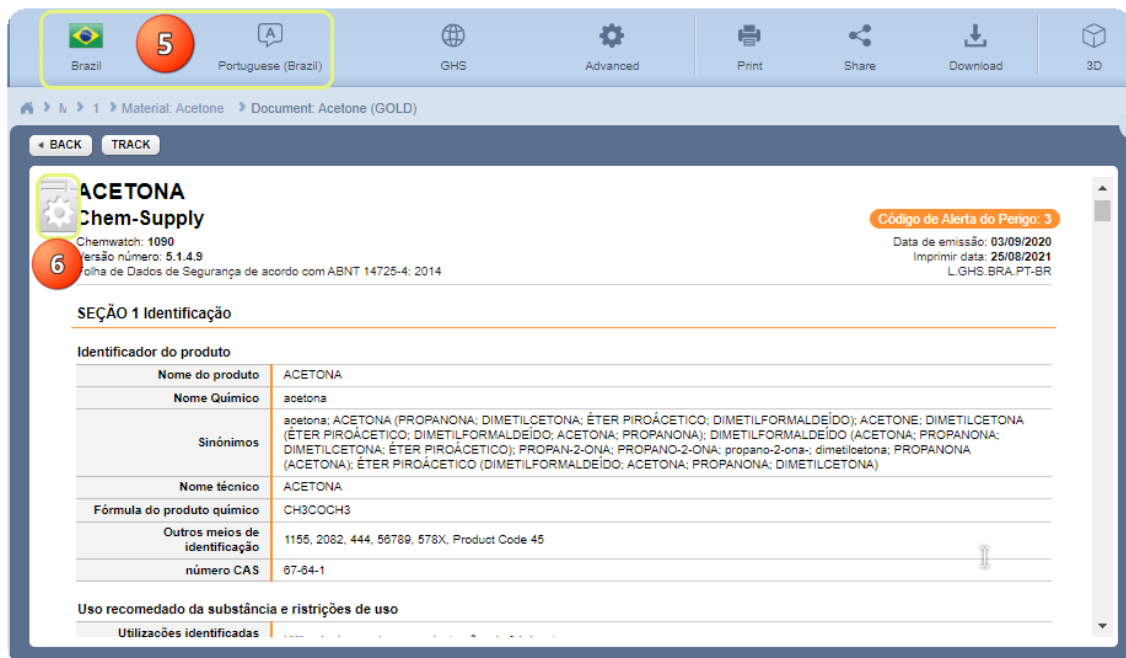
### Steps: Display a Brazilian Gold SDS Sub-Section 'Other adverse effects'

1. Click  the **Home** module .
2. Click  the **Gold SDS** button on the SDS and Labels panel.
3. Select  a **Folder name** that contains an inventory.

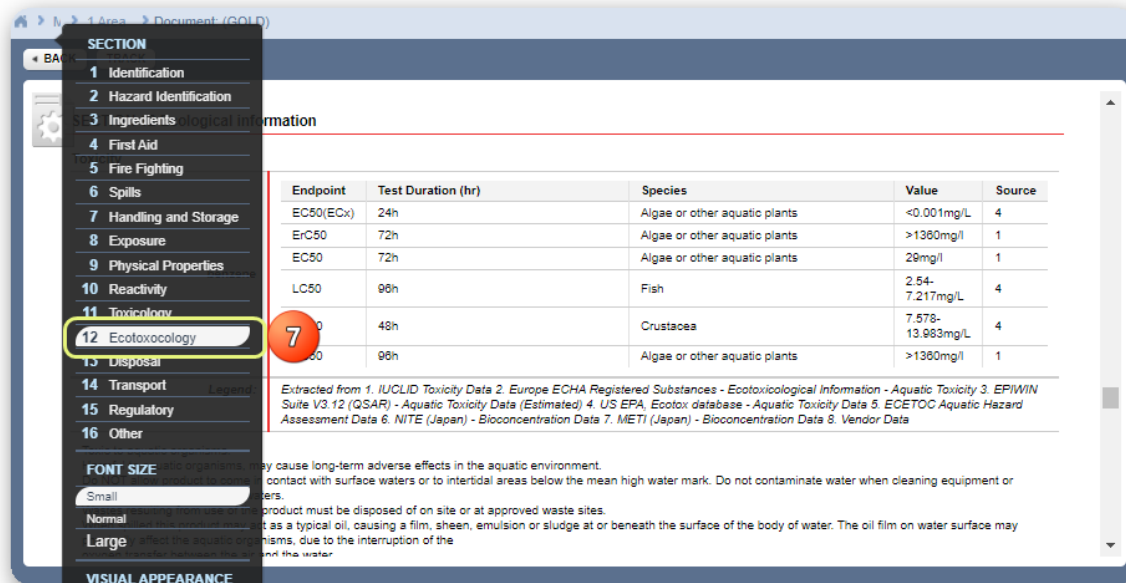
- Press  the **Name of the Material** within the grid's inventory list.



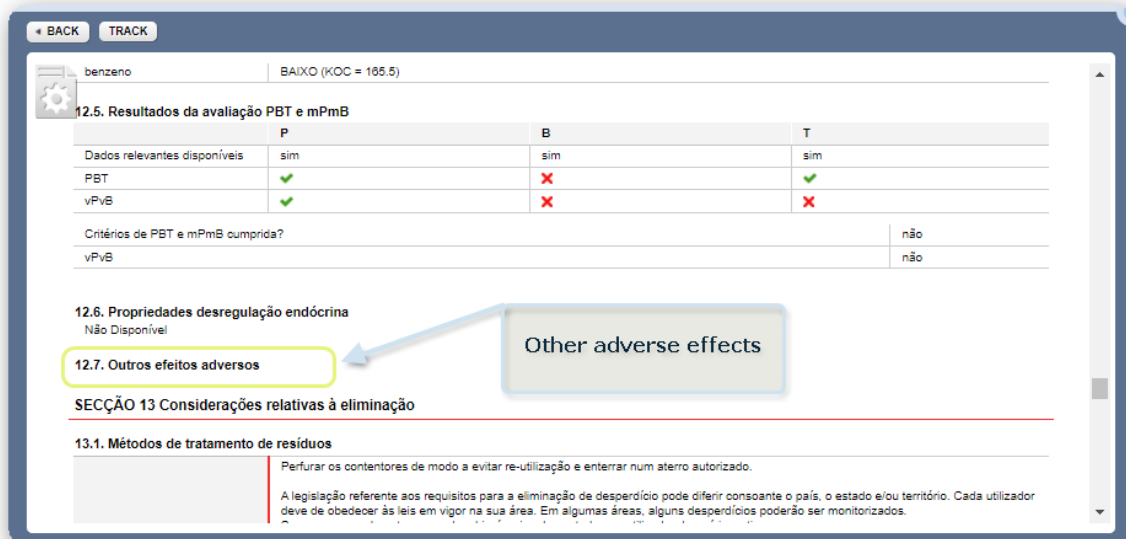
- Gold SDS** is rendered to display on screen. Set **Country to Brazil** in the document settings toolbar if your SDS settings are not set to Brazil. The respective language will automatically be set when the country Brazil is applied as shown below.
- Select the **SDS Section** icon.



- Click on **Section 12** to View sub-section **“Other adverse effects”**.



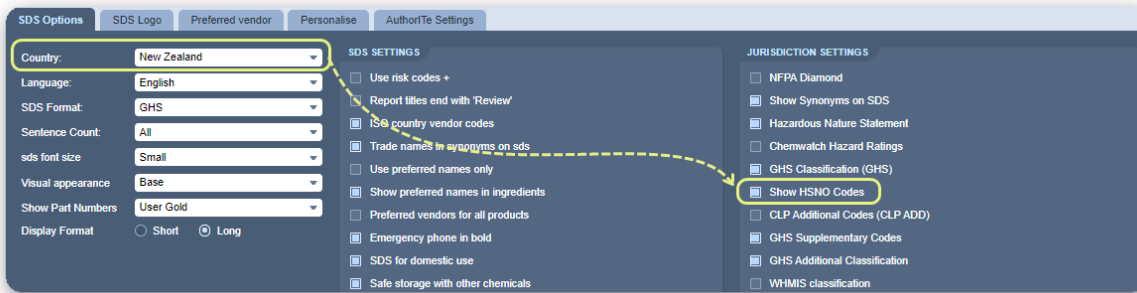
8. Gold SDS Section 12 displays information for the sub-section “Other adverse effects”.



## New Zealand Mini SDS Update

We have made an additional function to the “Show HSNO Codes” settings to affect MINI SDS as it would affect your Gold SDS. By ticking the “Show HSNO Codes” in SDS settings will allow HSNO codes to reflect on the MINI SDS and vice versa.

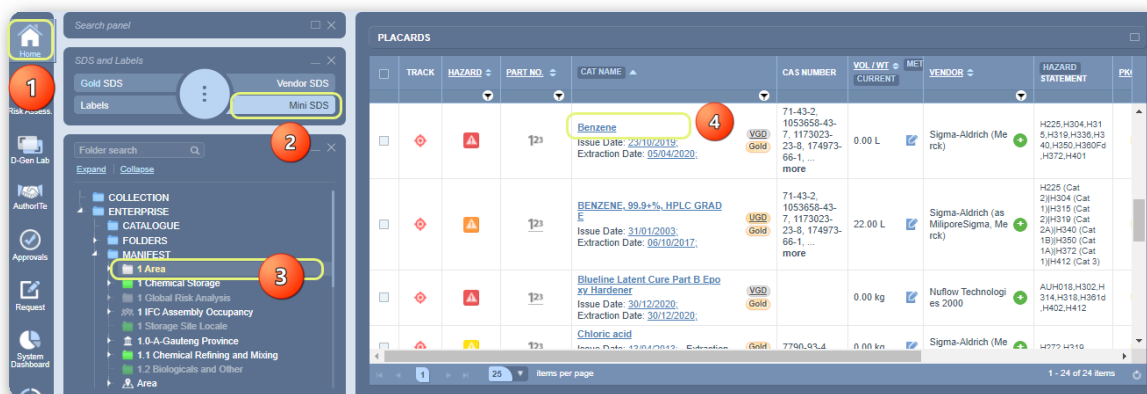
Note that this SDS Setting for the jurisdiction is administered by the domain administrator. Hence, the HSNO codes to show in SDS would have been set automatically; especially for New Zealand users, when country is set to New Zealand in SDS Options.



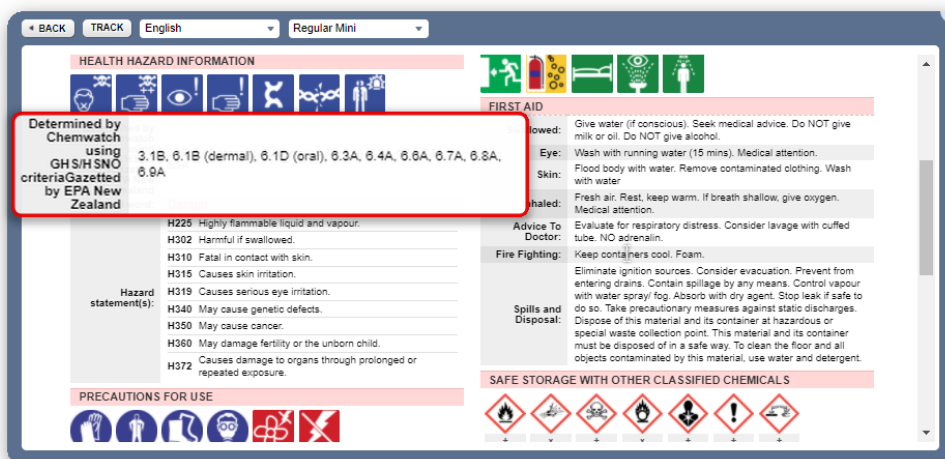
Please note that as part of New Zealand GHS Revision 7 update, providing HSNO codes on the document(s) is no longer a mandatory requirement.

**Steps: Display a Mini SDS for New Zealand HSNO Codes Display**

1. Click the **Home** module .
2. Click on the **Mini SDS** button on the SDS and Labels panel.
3. Select a **Folder name** that contains an inventory.
4. Click the **Name of the Material** within the grid's inventory list.



A regular **Mini SDS** is rendered to display on screen. Note that the country/language was set to New Zealand and English in SDS Settings.



## Gold SDS Flag for Primary Vendor Update

What you will learn in this release component are the following related features available in to add preferred vendors to a Gold SDS and the display of primary vendor in SDS heading:

- [Preferred vendors in SDS Settings](#)
- [How to look up multiple preferred vendors](#)
- [Preferred vendors assignment and display of primary vendor](#)








Our Gold SDS has the ability to set up multiple supplier contacts through the Preferred Vendor SDS Settings. Multiple preferred vendors will then be listed in the Preferred Vendor tab and in turn will be available to users to assign vendor(s) to a chosen material. Note that not all users may automatically have access to SDS Settings. Contact your domain administrator for more details and your role on how this function is utilized in your organisation or business.

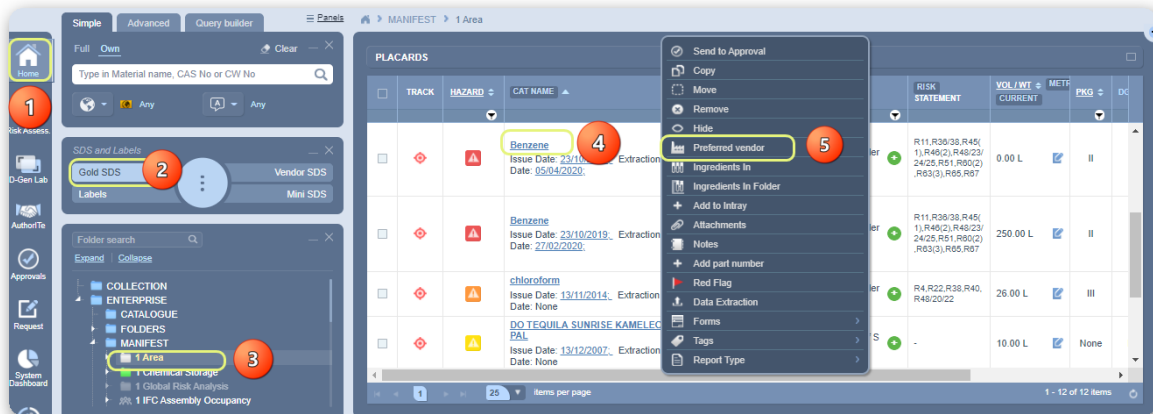


SUPPLIER NAME	COUNTRY	ACTIONS
Chemwatch Preferred Vendor	Australia	
Johnson & Johnson	Canada	
Johnson & Johnson		
Johnson & Johnson	Australia	
Merck	Australia	
SA Company	South Africa	
Sigma-Aldrich (Merck)		
XYZ Corporation	Philippines	

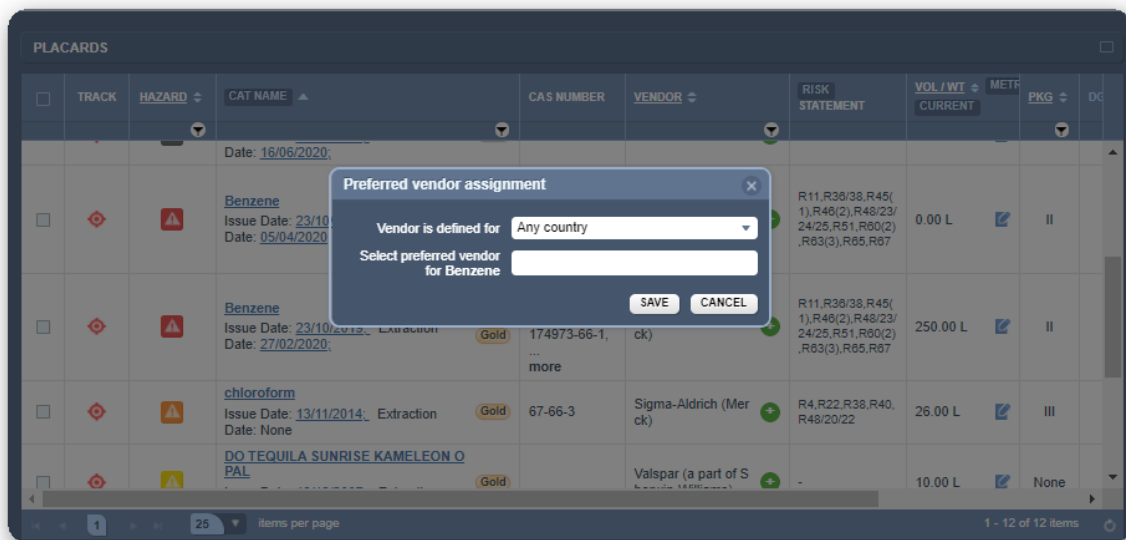
We have added an **ability to flag a particular Vendor to be the primary vendor**, which will be displayed as the first one and also display the **Vendor name in the SDS heading**. The Primary Vendor flag can be applied to multiple vendors where there is more than one vendor added as primary, the system will take the random one from all primary vendors to display in the SDS heading. The steps below show how to assign a preferred vendor to a material to display in the Gold SDS.

### Steps: Display a Primary Vendor in SDS Heading for a Specific Material

1. Click  the **Home** module .
2. Click  the **Gold SDS** button on the SDS and Labels panel.
3. Select  a **Folder name** that contains an inventory.
4. Right click  on the **Name of the Material** within the grid's inventory list.

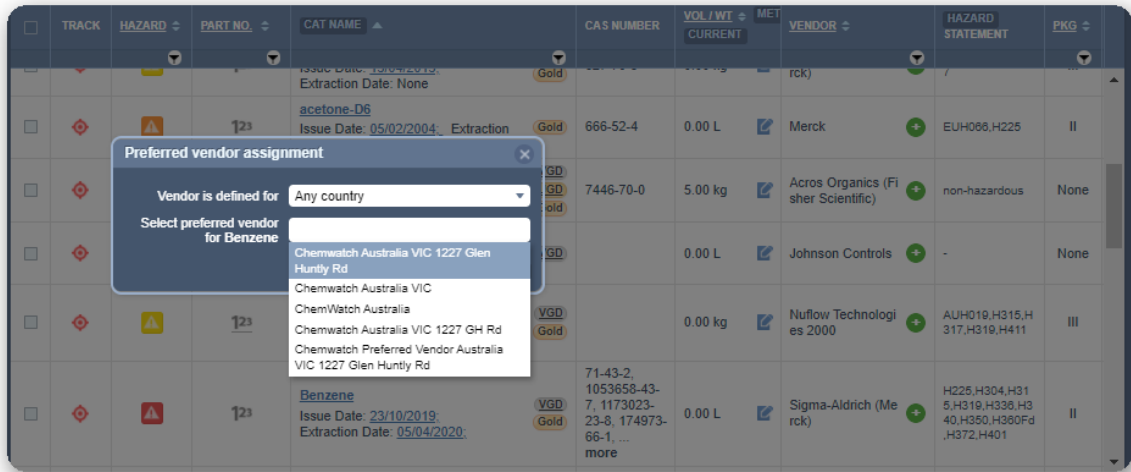


- Select  the **Preferred Vendor** option. The Preferred Vendor assignment window displays.



- Select **Country** from the dropdown list, e.g., Australia.
- Type and select **Preferred Vendor** for the material, e.g., Chemwatch Preferred Vendor.



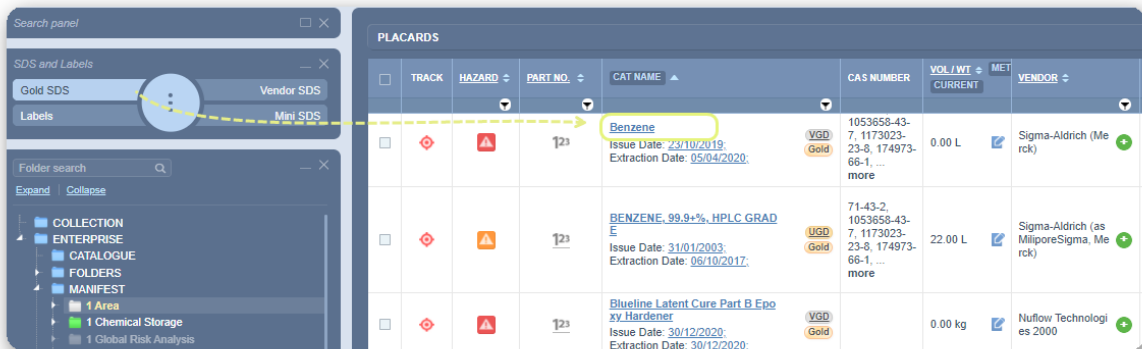


Add more preferred vendors.

- Click the **Save** button.



- Click the Material Name to which the preferred vendors have been applied to render the Gold SDS.



## Gold SDS Display of Preferred Vendor (Heading)

**BENZENE**  
**Chemwatch Preferred Vendor**  
 Chemwatch: 1114  
 Version No: 19.1.7.9  
 Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

**Chemwatch Hazard Alert Code: 4**  
 Issue Date: 16/10/2019  
 Print Date: 25/08/2021  
 L.GHS.NZLEN

**SECTION 1 Identification of the substance / mixture and of the company / undertaking**

**Product Identifier**

Product name	BENZENE
Chemical Name	benzene
Synonyms	C6H6; benzol; benzole; benzolene; coal naphtha; cyclohexatriene; mineral naphtha; motor benzol; nitration benzene; phene; phenyl hydride; pyrobenzol; pyrobenzole; benzine; benzene, UNILAB; benzene, nitration grade
Proper shipping name	BENZENE
Chemical formula	C6H6
Other means of identification	1.4, 333, 3456, 88, 9369999026790
CAS number	71-43-2

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Manufacture of chemicals including styrene, dyes, and many other organic chemicals. Has been used in artificial leather, linoleum, oil cloth, airplane dopes, lacquers; as solvent for waxes, resins, oils etc. May also be a minor component of gasoline, petrol. Exposure should be minimised by use in closed systems. Handling procedures and control measures should be evaluated for exposure before commencement of use in plant operations. <b> DANGEROUS POISON</b>
--------------------------	---

Note that the multiple preferred vendors will also display at random. In this worked example, only three preferred vendors were added. All of these will be shown in section 1 of the SDS; Details of the Supplier.

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Manufacture of chemicals including styrene, dyes, and many other organic chemicals. Has been used in artificial leather, linoleum, oil cloth, airplane dopes, lacquers; as solvent for waxes, resins, oils etc. May also be a minor component of gasoline, petrol. Exposure should be minimised by use in closed systems. Handling procedures and control measures should be evaluated for exposure before commencement of use in plant operations. <b> DANGEROUS POISON</b>
--------------------------	---

**Details of the supplier of the safety data sheet**

Registered company name	Chemwatch Preferred Vendor	Chemwatch	ChemWatch
Address	1227 Glen Huntly Rd VIC 3163 Australia	1227 Glen Huntly Rd Glen Huntly VIC Australia	Australia
Telephone	0395733100	+61 3 9573 3100	Not Available
Fax	+61 39573100	Not Available	Not Available
Website	<a href="http://www.chemwatch.net">www.chemwatch.net</a>	<a href="http://www.chemwatch.net">www.chemwatch.net</a>	Not Available
Email	helpdesk@chemwatch.net	info@chemwatch.net	Not Available

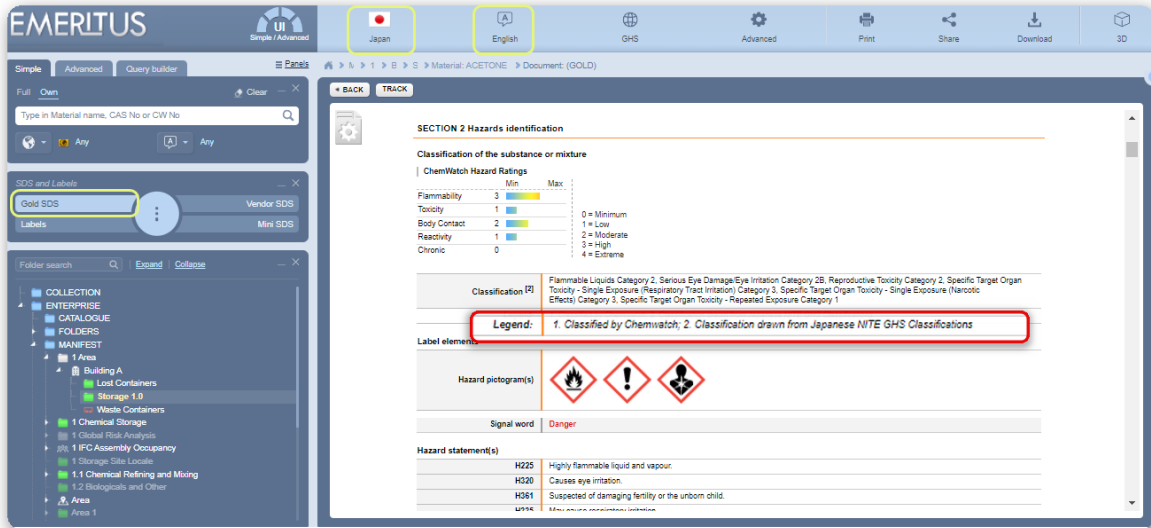
**Emergency telephone number**

Association / Organisation	Chemwatch	Chemwatch
Emergency telephone numbers	0395733100	+61 3 9573 3100
Other emergency telephone numbers	Not Available	Not Available

**SECTION 2 Hazards identification**

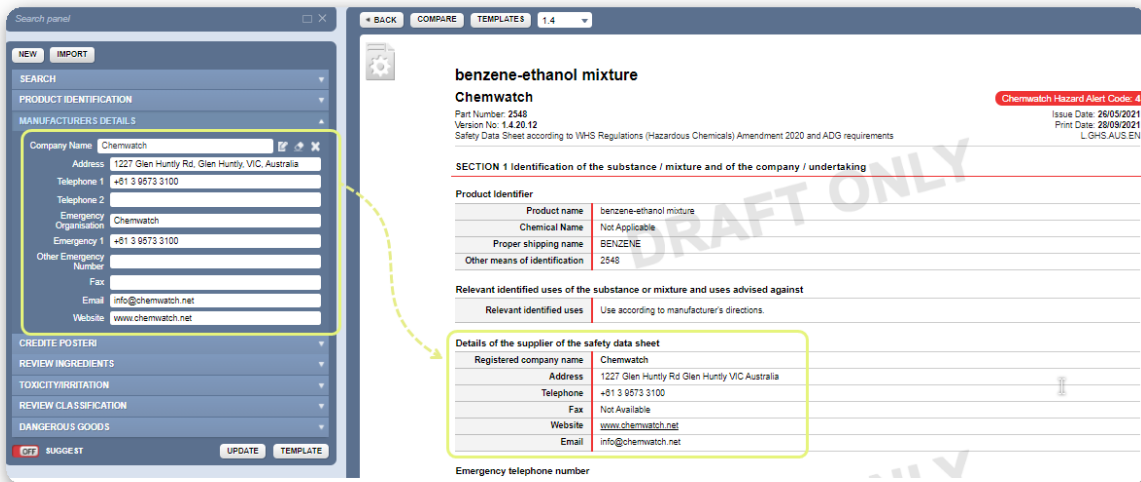
## SDS Classification Table Legend – Japan SDS Update

For SDS rendered in the Japan jurisdiction, we have removed reference to the EU regulation (“Regulation (EU) No 1272/2008 - Annex VI”) from the legend of the classification table in Section 2 (Hazard Identification).



## CREDO Manufacturer's Details Search Results - Update

When users search for a supplier in the Manufacturer's Details tab, the list of dropdown options returned in the search results will now display the company's business address, in addition to the company name.









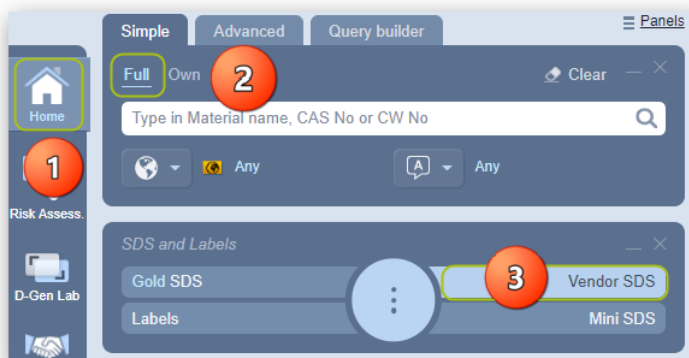
### 2.1.1.1.2 Search for Material to Display a Vendor SDS





The steps below illustrate how to use the simple search autocomplete method to search for a material from the full Chemwatch database collection and display a Vendor SDS.

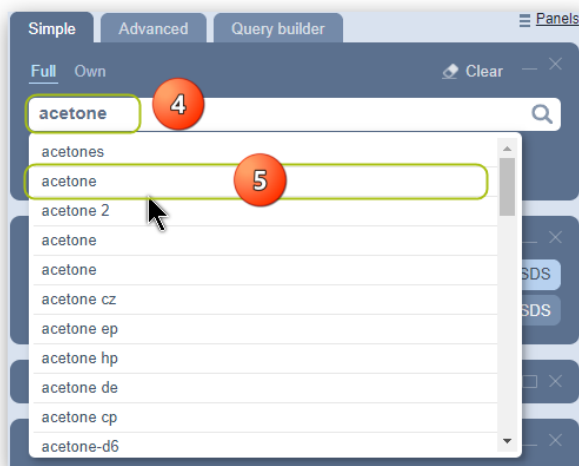
**i** If the material or chemical or product is available, a search list result will display, however, if no material is found, the search result will display the message "no records found". In this case, send a request to upload Vendor SDS through the email address below and ensure to attach the latest version of the SDS: [msdsuploads@chemwatch.net](mailto:msdsuploads@chemwatch.net).


## Steps

1. In the **Home module** , select  (if it's not already the default mode).
2. Press  the **'Vendor SDS'** button from the SDS panel to set the type of document .
3. Click  the **Full** option in the Search panel to set the database path to the Full collection to look up  for the Vendor SDS from the Chemwatch full database.






4. Type  the **material or chemical name** in the Name/CAS free text field .
5. **Select**  the **material or chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.



6. Select  the name of the **material** by a specific vendor of interest to display a list of available multiple vendors.



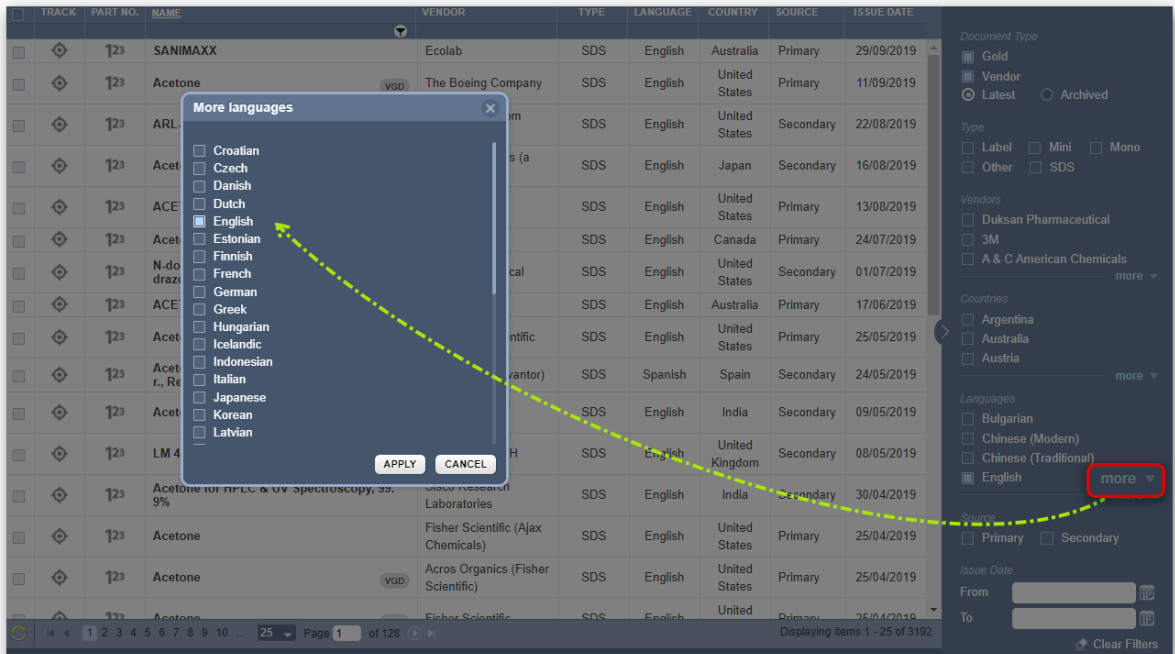
7. Select  the **country checkbox** by a clicking on the respective checkbox from the sidebar filter.

**i** In this worked example, the search criterion is set to look up for SDS for any country  and any language  and therefore the search results table contains any SDS from any country or language. In your organisation, you may have country and language already set users, if such is the case, then you will only get the search results that are relevant to your filters set by the ADM. Otherwise, there's also an option to set the country and language before performing the search to ensure that your search results are drawn from the database based on your search criterion.



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	SANIMAXX	Ecolab	SDS	English	Australia	Primary	29/09/2019
	123	Acetone	The Boeing Company	SDS	English	United States	Primary	11/09/2019
	123	ARL-67156 TRISODIUM SALT HYDRATE	American Custom Chemicals	SDS	English	United States	Secondary	22/08/2019
	123	Acetone	Wako Chemicals (a part of FujiFilm)	SDS	English	Japan	Secondary	16/08/2019
	123	ACETONE	Cone Solvents	SDS	English	United States	Primary	13/08/2019
	123	Acetone	Recochem	SDS	English	Canada	Primary	24/07/2019
	123	N-dodecanoyl-L-Homoserine lactone-3-hydr	Cayman Chemical	SDS	English	United States	Secondary	01/07/2019
	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
	123	Acetone	Post Apple Scientific	SDS	English	United States	Primary	25/05/2019
	123	Acetona AnalaR NORMAPUR Reag. Ph. Eu r., Reag. USP, ACS	VWR (Part of Avantor)	SDS	Spanish	Spain	Secondary	24/05/2019
	123	Acetone extrapure, 99%	Sisco Research Laboratories	SDS	English	India	Secondary	09/05/2019
	123	LM 48 Montagepaste 50 g	Liqui Moly GmbH	SDS	English	United Kingdom	Secondary	08/05/2019
	123	Acetone for HPLC & UV Spectroscopy, 99.9%	Sisco Research Laboratories	SDS	English	India	Secondary	30/04/2019
	123	Acetone	Fisher Scientific (Ajax Chemicals)	SDS	English	United States	Primary	25/04/2019
	123	Acetone	Acros Organics (Fisher Scientific)	SDS	English	United States	Primary	25/04/2019

- Filter your searched document (Vendor SDS) list by using the language specific checkbox filter to narrow the search, if your language is not showing on the default language list, click on "More" to select a desired language and click apply. Note that you can select more than one language.



9. Select the name of the document by a specific vendor of interest to render the Vendor SDS document).



10. The vendor SDS is rendered as shown below.

← BACK COPY TRACK

Safety Data Sheet 1 / 9

**Sigma-Aldrich** [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

**SAFETY DATA SHEET** Version 6.0  
Revision Date 29.03.2019  
Print Date 22.06.2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**  
Product name : Acetone  
Product Number : 179973  
Brand : SIGALD  
CAS-No. : 67-64-1

**1.2 Other means of identification**  
No data available

**1.3 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses : For R&D use only. Not for pharmaceutical, household or other uses.


**1.4 Details of the supplier of the safety data sheet**  
Company : Sigma-Aldrich Pty. Ltd.  
12 Anella Avenue  
CASTLE HILL NSW 2154  
AUSTRALIA  
Telephone : +61 1800 800 097  
Fax : +61 (0)2 9841 0500

**i** Generally, a Vendor SDS must have 16 sections and section 2 and 14 provides the classification in accordance with GHS and Transport Regulations respectively based on the country of origin. Full details about the product name and supplier details are found in section 1 (Identification) of the manufacturer safety data sheet (Vendor SDS). For more information about the summary structure of the SDS, refer to the [appendix](#).







11. Print , Download  or Share  the SDS.

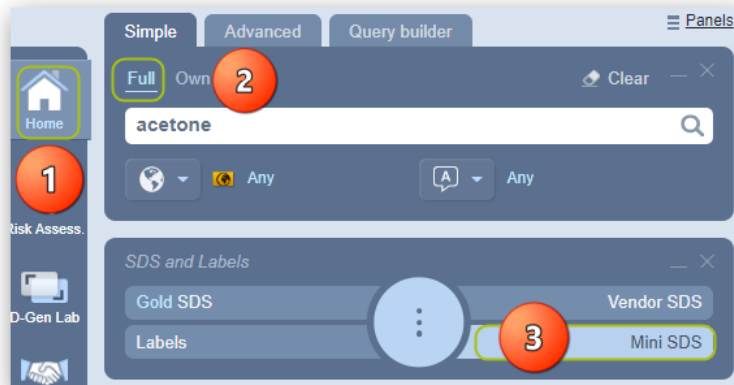
### 2.1.1.1.3 Search for Material to Display a Mini SDS

The steps below illustrate **how to use the simple search autocomplete method** to search  for a material from the full Chemwatch database collection and display a **Mini SDS**.

**i** If the material or chemical or product is available, a search list  result will display, however, if no material is found, the search result will display the message "no records found". In this case, send a request to [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net) to get a Gold SDS authored. Note that this task may incur costs. Once the product is registered and has a corresponding Gold SDS; then access to generate a label will be available. However, data extraction can be used to extract user classification data and then generate a Mini SDS and label for a product that does not have a corresponding Gold SDS.

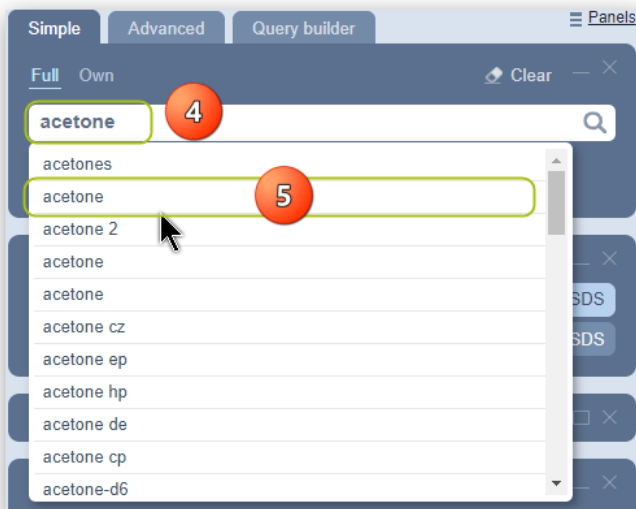
#### Steps

1. Press  the **Home module**  (if it's not already the default module).
2. Click  the **Full** option in the Search panel to set the database path to the Full collection to look up  for the Vendor SDS from the Chemwatch full database.
3. Press  the **Mini SDS** button from the SDS panel to set the type of document .



**i** A **Mini SDS** is a one-page summary report, generally useful in emergency response situations, where it provides material classification and graphics information; Ingredient(s) composition, OELs, GHS hazard classification, primary health hazard, precautions for use (PPEs), physical properties, emergency graphics, first aid and safe storage with other classified chemicals.

4. Type the **material or chemical name** in the Name/CAS free text field .
5. Select the **material or chemical name** from the autocomplete search list panel. In this case, acetone is used to demonstrate the steps.



6. Select the **name of the material** by a specific CW Number to display a Gold SDS (if available).

About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
<input type="checkbox"/>	acetone	Gold	123	1090	67-64-1	CLP Hazar... Red Tag D			
<input type="checkbox"/>	Maxi Acetone	Gold	123	23-0296					
<input type="checkbox"/>	GSB Acetone	Gold	123	42-5064					
<input type="checkbox"/>	Damar Acetone	Gold	123	5016-94					
<input type="checkbox"/>	benzylacetone	Gold	123	39405	2550-26-7				
<input type="checkbox"/>	JW Acetone	Gold	123	23-0275					

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1



**i** The Mini SDS depends on the Gold SDS availability in the system (that is; if Chemwatch has authored the Gold SDS) and if available, the **Gold** button will be displayed on the material's search results table as shown below with a tag description for "Chemwatch classification's availability".


About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone	123	1090	67-64-1	CLP Hazar... Red Tag D...				
	Maxi Acetone	123	23-0296						
	GSB Acetone		5864						
	Damar Acetone	123	5016-94						
	benzylacetone	123	39405	2550-26-7					
	JW Acetone	123	23-0275						

Chemwatch classification is available.

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1

7. The Mini SDS document will be rendered (displayed or loaded) on screen.

**i** The Mini SDS country, language and format is based on the respective SDS Settings  applied by default as per the system's Gold SDS profile. The example of the Mini SDS below is set to Country = Australia, Language = English and SDS Format = GHS and also defaults to the Regular Mini format. These settings are applied based on the business jurisdictional operations to ensure that the data meets compliance requirements for that particular country of operation.

Chemwatch: 1090 Chemwatch Hazard Alert Code: 3



**MINI SDS**

**ACETONE**

INGREDIENTS	CAS NO	%	8HR OEL
acetone	67-64-1	95-99.5	590 mg/m3

GHS	DG	PROPERTIES
	 UN No: 1090 DG Class: 3 Subsidiary Risk: Not Applicable Packing Group: II	 Liquid. Mixes with water. Highly flammable.

HEALTH HAZARD INFORMATION	EMERGENCY	FIRST AID
 Signal word: <b>Danger</b> Hazard statement(s): H225 Highly flammable liquid and vapour. H336 May cause drowsiness or dizziness. H319 Causes serious eye irritation.		Swallowed: Give water (if conscious). Seek medical advice. Eye: Wash with running water. Skin: Remove contaminated clothing. Wash with soap & water. Fresh air. Rest. keep warm. If breathing shallow. give

8. Select  the language drop-down arrow  and set the Language to render the Mini SDS content in another language, e.g., French

The screenshot shows a web interface for a Mini SDS. At the top, there are navigation buttons: 'BACK', 'TRACK', and a language dropdown menu currently set to 'English'. The dropdown menu is open, showing a list of languages: Chinese (Modern), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, **French** (highlighted), German, and Greek. The main content area is divided into several sections: 'DG' (Dangerous Goods) with hazard symbols and codes (UN No: 1090, Hazchem Code: +2YE, DG Class: 3, Subsidiary Risk: Not Applicable, Packing Group: II, Poisons Schedule: S5); 'PROPERTIES' (Liquid, Mixes with water, Highly flammable); 'EMERGENCY' (First Aid icons); 'FIRST AID' (Swallowed, Eye, Skin, Inhaled, Advice To Doctor, Fire Fighting, Spills and Disposal); 'PRECAUTIONS FOR USE' (Appropriate engineering controls, Glasses, Gloves, Respirator); and 'SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS'.

A French Mini SDS is displayed below.







The screenshot shows the French version of the Mini SDS for Acetone. At the top, the language dropdown menu is set to 'French'. The header includes 'Chemwatch: 1090' and 'Code d'alerte du risque: 3'. The main title is 'MATÉRIAUX MINI FICHE DE DONNÉES DE SÉCURITÉ (MINI MSDS)'. Below this, it states 'Chimiques dangereuses. MARCHANDISES DANGEREUSES. Selon le Règlement sur le modèle WHS et le Code ADG.' The chemical name 'ACÉTONE' is prominently displayed. The 'COMPOSANTS' table lists 'acétone' with 'NUMÉRO CAS: 67-64-1', '%: 95-99.5', and '8HR OEL: 1185 mg/m3'. The 'GHS' and 'DG' sections show hazard symbols (Flammable liquid, Health hazard) and codes (N° ONU: 1090, Code Hazchem: +2YE, Classe Produit Dangereux: 3, Risque Subsidiaire: Sans Objet, Groupe d'Emballage: II, Programme des poisons: S5). The 'PROPRIÉTÉS' section states 'Liquide Miscible avec de l'eau Facilement inflammable.' The 'URGENGE' section includes 'Premiers secours' (INGESTION, Oeil, Peau, Inhalé), 'Informez le docteur', 'LUTTE INCENDIE', and 'Etalage & Disposition'. The 'INFORMATIONS SUR LES RISQUES SANITAIRES' section includes 'Mention d'avertissement: Danger', 'Déclaration(s) sur les risques: AUH066, H336, H319', and 'PRÉCAUTIONS D'UTILISATION' (Contrôle d'ingénierie approprié, Lunettes, Gants).

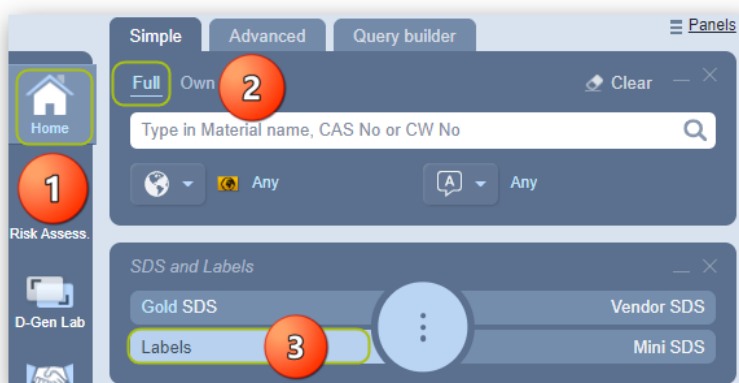
#### 2.1.1.1.4 Search for Material to Display a Label





The following steps demonstrate how to use the simple search autocomplete method to search for a material for a material from the full Chemwatch database collection to display a label using the one of the Chemwatch default templates.

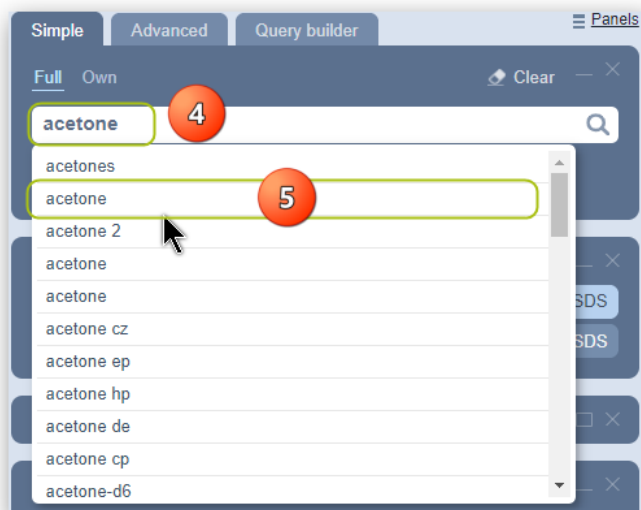
**i** If a product is registered in the Chemwatch database and has a corresponding Gold SDS; then access to generate a label will be available. However, the data extraction tool can be used to extract user classification data and then generate label for a product that does not have a corresponding Gold SDS.

## Steps

1. In the **Home module** , select  the Simple search tab (if it's not already the default mode).
2. Click  the **Full** option in the Search panel to set the database path to the Full collection to look up  for the Vendor SDS from the Chemwatch full database.
3. Press  the **Labels** button from the SDS panel to set the type of document .



4. Type  the **material** or **chemical name** in the Name/CAS free text field .
5. Select  the **material** or **chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.



6. Select  the name of the **material** by a specific CW Number to display the Gold SDS.

About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone	123	1090	67-64-1	CLP Hazar... Red Tag D...				
	Maxi Acetone	123	23-0296						
	GSB Acetone	123	42-5864						
	Damar Acetone	123	5016-94						
	benzylacetone	123	39405	2550-26-7					
	JW Acetone	123	23-0275						

Grouping by CW number  
Document Type  
Gold 364 Vendor 31311  
Vendors  
Tags  
CLP Hazardous 1  
Red Tag DG 3 1

**i** The Mini SDS depends on the Gold SDS availability in the system (that is; if Chemwatch has authored the Gold SDS) and if available, the **Gold** button will be displayed on the material's search results table as shown below with a tag description for "Chemwatch classification availability".

About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone	123	1090	67-64-1	CLP Hazar... Red Tag D...				
	Maxi Acetone	123	23-0296		Chemwatch classification is available.				
	GSB Acetone	123	42-5864						
	Damar Acetone	123	5016-94						
	benzylacetone	123	39405	2550-26-7					
	JW Acetone	123	23-0275						

Grouping by CW number  
Document Type  
Gold 364 Vendor 31311  
Vendors  
Tags  
CLP Hazardous 1  
Red Tag DG 3 1

- Select the name of the **Label template** from the default label gallery, e.g., GHS 4 per A4\_Portrait in page 1 of the default gallery has been selected for this illustration.

**i** A list of Chemwatch default label templates available in the system for your use is provided in the [appendix](#) for further information on label templates' names and corresponding sizes.

- The label gets displayed. Select the **language drop-down arrow** to set a different language from the listed options.

BACK TRACK English

### ACETONE

INGREDIENTS: ACETONE, 67-64-1, 95-99.5 %

**Danger**

Hazard Codes/Statements: H225 - Highly flammable liquid and vapour; AUH066 - Repeated exposure may cause skin dryness and cracking; H336 - May cause drowsiness or dizziness; H319 - Causes serious eye irritation.

Precautionary statement(s): If medical advice is needed, have product container or label at hand; Keep out of reach of children; Read label before use; Keep away from heat/sparks/open flames/hot surfaces - No smoking; Use only outdoors or in a well-ventilated area; Avoid breathing mist/vapour/spray; Wear protective gloves/protective clothing/eye protection/face protection; In case of fire: Use alcohol resistant foam or normal protein foam for extinction; IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; Call a POISON CENTER or doctor/physician if you feel unwell; If eye irritation persists. Get medical advice/attention; Store in a well-ventilated place; Keep cool; Store locked up; Dispose of contents/container in accordance with local regulations; See SDS for full list of P phrases

Mera Chemicals, 34 Law Court  
West Sunshine 3020 VIC Australia;  
+613 8311 4244; 0417 339927;  
+613 8311 3755;  
info@merachemicals.com.au

### ACETONE

INGREDIENTS: ACETONE, 67-64-1, 95-99.5 %

**Danger**

Hazard Codes/Statements: H225 - Highly flammable liquid and vapour; AUH066 - Repeated exposure may cause skin dryness and cracking; H336 - May cause drowsiness or dizziness; H319 - Causes serious eye irritation.

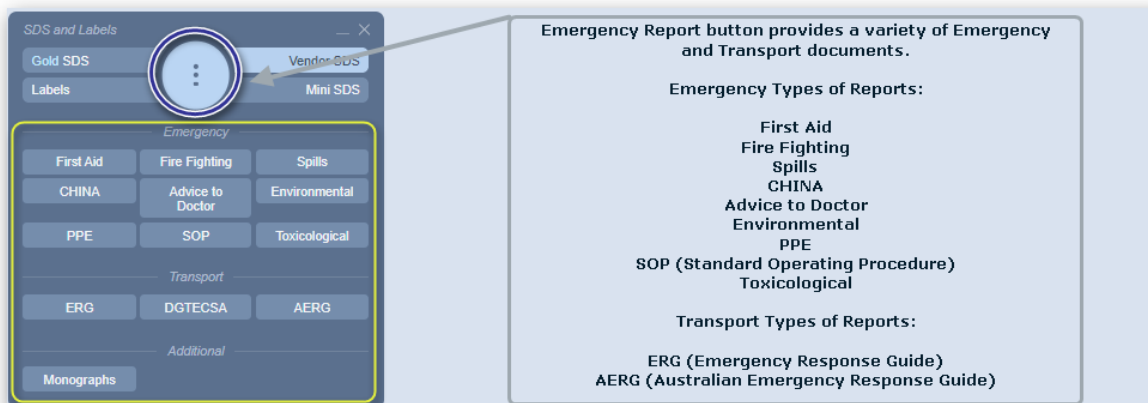
Precautionary statement(s): If medical advice is needed, have product container or label at hand; Keep out of reach of children; Read label before use; Keep away from heat/sparks/open flames/hot surfaces - No smoking; Use only outdoors or in a well-ventilated area; Avoid breathing mist/vapour/spray; Wear protective gloves/protective clothing/eye protection/face protection; In case of fire: Use alcohol resistant foam or normal protein foam for extinction; IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; Call a POISON CENTER or doctor/physician if you feel unwell; If eye irritation persists. Get medical advice/attention; Store in a well-ventilated place; Keep cool; Store locked up; Dispose of contents/container in accordance with local regulations; See SDS for full list of P phrases

Mera Chemicals, 34 Law Court  
West Sunshine 3020 VIC Australia;  
+613 8311 4244; 0417 339927;  
+613 8311 3755;  
info@merachemicals.com.au

ACETONE ACETONE

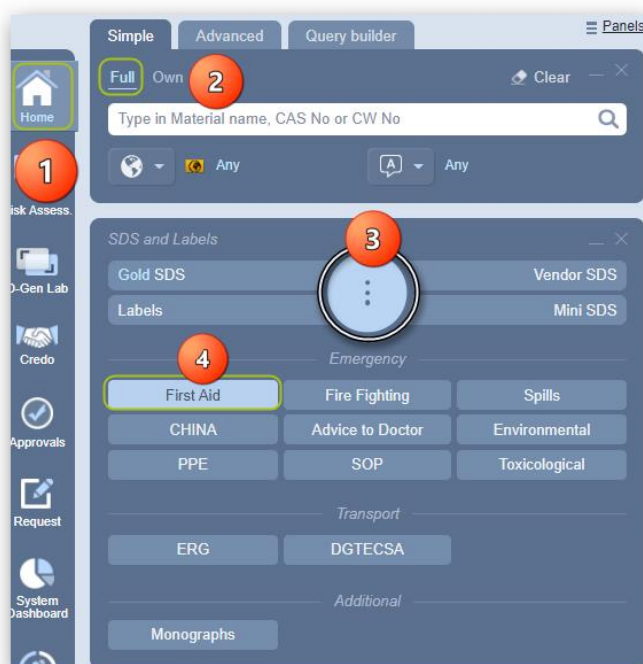
### 2.1.1.1.5 Search for Material to Display an Emergency Report





The steps below show **how to use the simple search autocomplete method** to search for a material from the full Chemwatch database collection to display any of the available Emergency Report types: First Aid, Spills, CHINA, Advice to Doctor, Fire Fighting, SOP, Toxicological, ERG (Emergency Response Guide), AERG (Australian Emergency Response Guide), Environmental, Transport or Monographs).

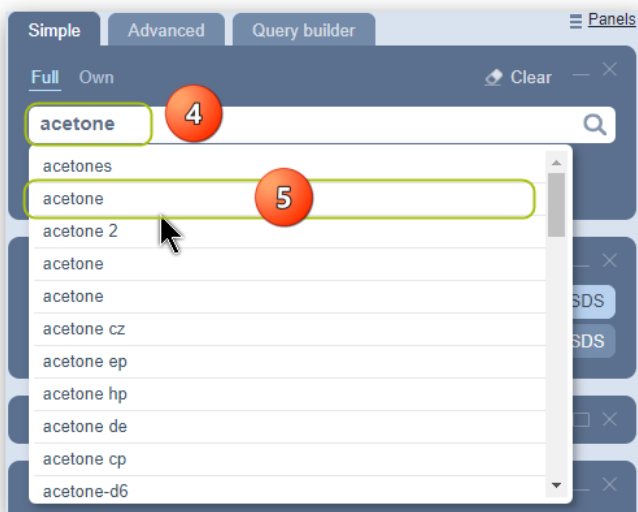


#### Steps

1. In the **Home module**, select the Simple search tab (if it's not already the default mode).
2. Click the **Full** option in the Search panel to set the database path to the full collection to look up for the Vendor SDS from the Chemwatch full database.
3. Press the **Emergency** button from the SDS and Labels panel to set the type of Emergency document, e.g. First Aid.
4. Press the **First Aid** button.















- Type  the **material** or **chemical name** in the Name/CAS free text field .
- Select  the **material** or **chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.





- Select  the name of the **material** by specific CW Number to display the respective selected type of Emergency report.













About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone 	123	1090	67-64-1	CLP Hazar... Red Tag D...				
	Maxi Acetone 	123	23-0296						
	GSB Acetone 	123	42-5864						
	Damar Acetone 	123	5016-94						
	benzylacetone 	123	39405	2550-26-7					
	JW Acetone 	123	23-0275						

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1

 The Mini SDS depends on the Gold SDS availability in the system (that is; if Chemwatch has authored the Gold SDS) and if available, the  button will be displayed on the material's search results table as shown below with a tag description for "Chemwatch classification availability".



About 364 results (0.583 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
	acetone 	123	1090	67-64-1	CLP Hazar... Red Tag D...				
	Maxi Acetone 	123	23-0296						
	GSB Acetone 	123	42-5864						
	Damar Acetone 	123	5016-94						
	benzylacetone 	123	39405	2550-26-7					
	JW Acetone 	123	23-0275						

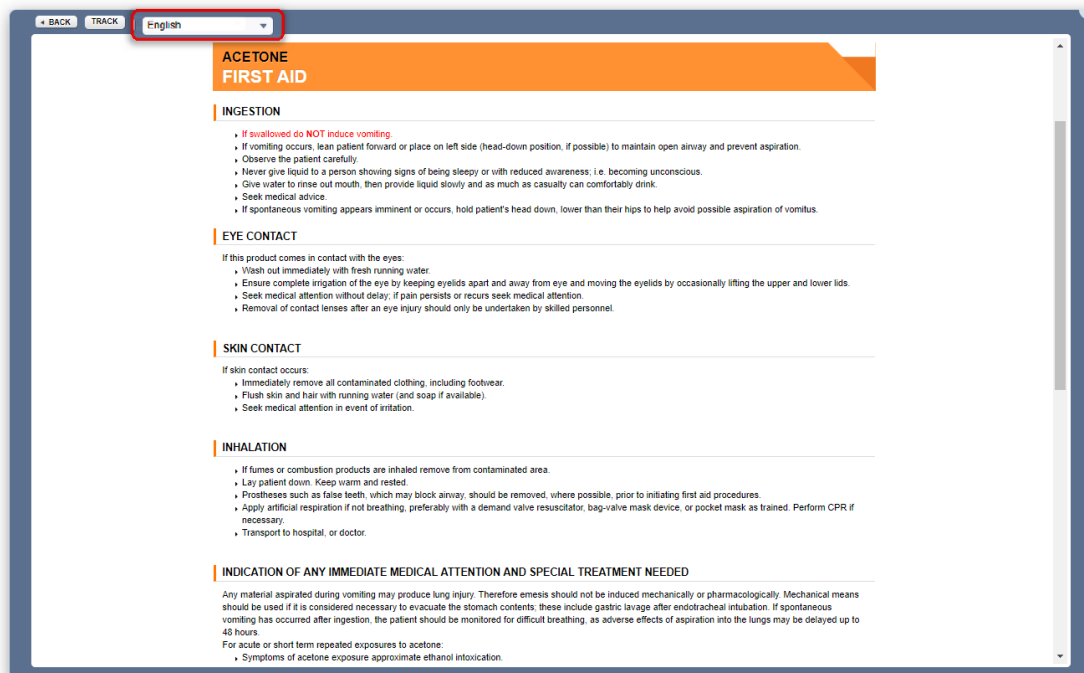
Chemwatch classification is available.

Grouping by CW number  
Document Type  
 Gold 364  Vendor 31311  
Vendors  
Tags  
 CLP Hazardous 1  
 Red Tag DG 3 1

- The **Emergency** Report gets rendered on the screen.

 The Emergency Report is based on the respective Gold SDS Settings  applied by default as per your system's profile.

9. Select the **language drop-down arrow** and set the Language to render the Mini SDS content in another language of choice.



To display other types of emergency reports, follow the same steps above and ensure to select the respective emergency report button in step 4 above. Examples of samples of the various types of emergency reports are available in the [appendix](#).

#### 2.1.1.1.6 Search for Material to Display an Emergency Report TREM Card

A TREM Card is a Transport Emergency Card used for providing emergency information for dangerous goods in transit. Generally, a TREM Card may contain the following information.











- Road transport standard(s) or Dangerous Goods classification
- Proper Shipping Name
- Appearance
- Potential Hazards
- Personal Protective Equipment

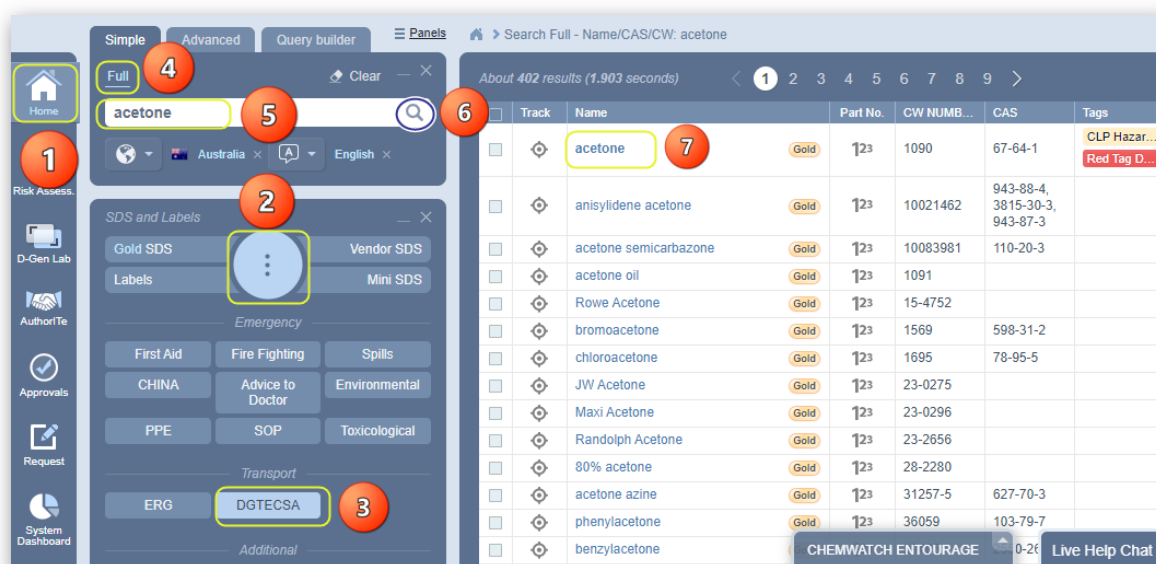
- Driver Intervention Equipment
- Driver First Actions, in case of a fire
- First Aid
- Emergency Telephone numbers
- Preparation Date

**i** Note that countries may have their own specific TREM Cards within their jurisdictions. Consult with your regulator to find out more about transport emergency cards required in your country. Once you have the information, you can create a label (custom document) that can be used within your system or simply contact your customer service department account manager ([customerservice@chemwatch.net](mailto:customerservice@chemwatch.net)) for more information.



The example below is a **TREM Card** customized for the purpose of demonstrating how to search for a dangerous good to generate a transport emergency card if available in your domain account.

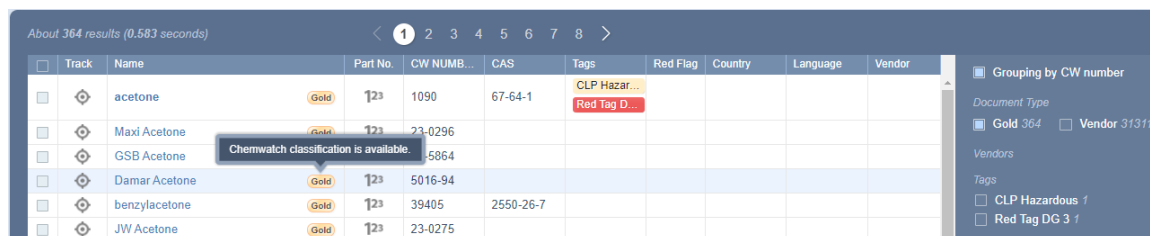
## Steps

1. In the **Home module** , select  the Simple search tab (the default search mode).
2. Press  the **Emergency** button from the SDS and Labels panel to set the type of Emergency document .
3. Press  the **TEC** button, e.g., Transport button is displayed if available for your domain account.
4. Click  the **Full** button from the Search panel to set the database path to the Chemwatch collection.
5. Type  the **material** or **chemical name** in the Name/CAS free text field .
6. Click .
7. Select  the name of the **material**.






The screenshot shows the Chemwatch search interface. On the left, the 'SDS and Labels' panel is open, with the 'Emergency' section selected. The 'DGTECSA' button is highlighted. The search panel shows 'acetone' entered in the search field, and the 'Full' button is selected. The search results table on the right shows a list of materials, with 'acetone' selected. A 'Gold' tag is visible next to the selected material.

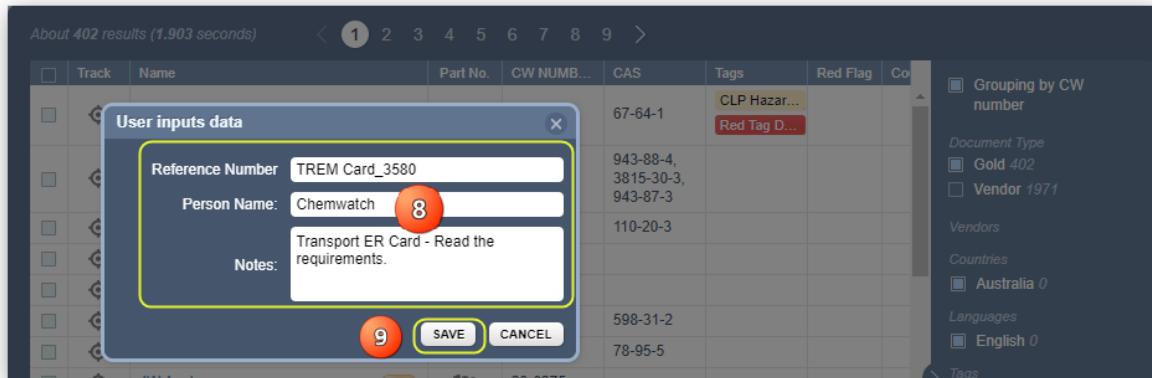
 The **TREM Card** depends on the Gold SDS availability in the system (that is; if Chemwatch has authored the Gold SDS for the material) and if available, the  button will be displayed on the material's search results table as shown below with a tag description for "Chemwatch classification availability".




The screenshot shows a search results table for 'acetone'. A tooltip is displayed over the 'Gold' tag, stating 'Chemwatch classification is available.' The table columns include Track, Name, Part No., CW NUMB..., CAS, Tags, Red Flag, Country, Language, and Vendor.

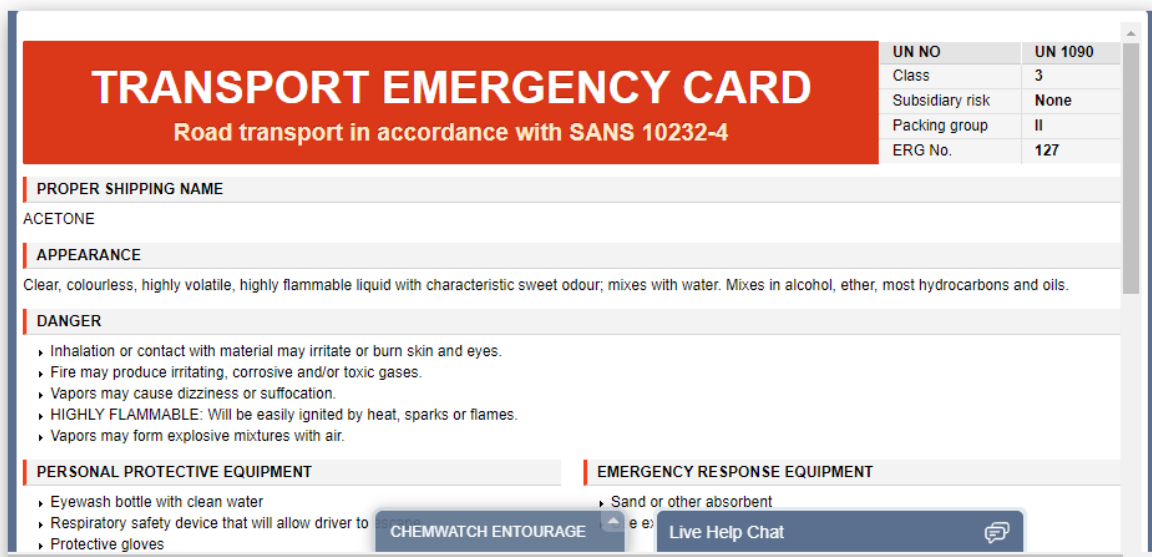
8. Type  the **user input data** in the free text fields ; reference number person's name and a brief note.
9. Click  the **Save** button.








10. The **TREM Card** emergency report gets displayed.

**i** The **Emergency Report** is based on the respective Gold SDS Settings  applied by default as per your system's profile; for example, check your SDS Settings country assignment with your administrator if a TREM card is available for your jurisdiction in the system.



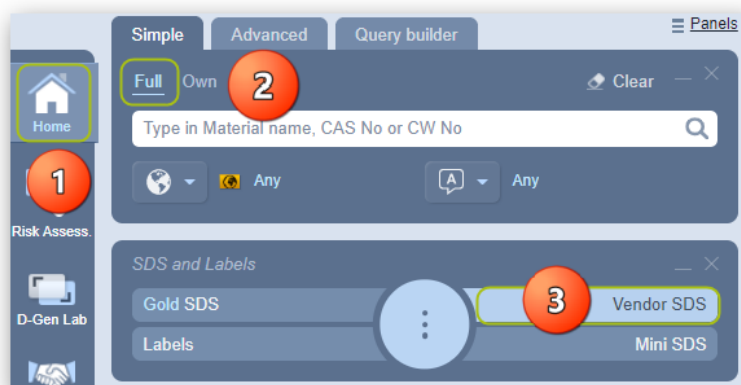
### 2.1.2 Search for Material by Cat Name

The steps below show **how to use the simple search autocomplete method** to search  for a material by Cat Name from the full Chemwatch database collection to display a Vendor SDS.

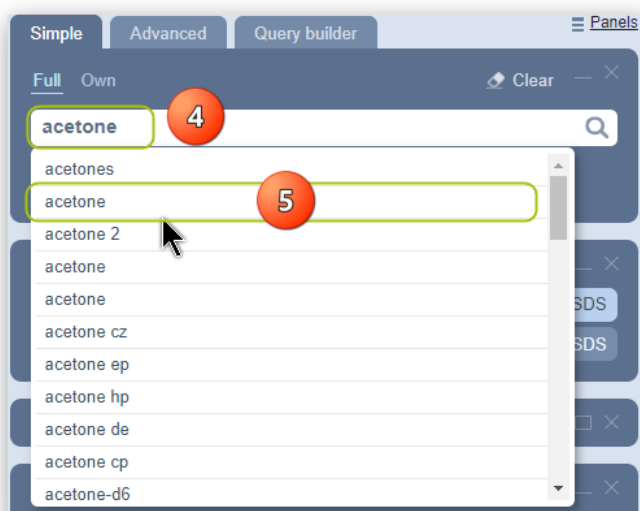
**i** If the product is available, a search list  result will display material/cat name(s), however, if no product is found, the search result will display the message "no records found". In this case, send a request to upload Vendor SDS through the email  address below and ensure to attach the latest version of the SDS: [msdsuploads@chemwatch.net](mailto:msdsuploads@chemwatch.net).

## Steps

1. In the **Home module**, select the **Simple search tab** (if it's not already the default mode).
2. Press the **Vendor SDS** button from the SDS panel to set the type of document.
3. Click the **Full** option in the Search panel to set the database path to the Full collection to look up for the Vendor SDS from the Chemwatch full database.



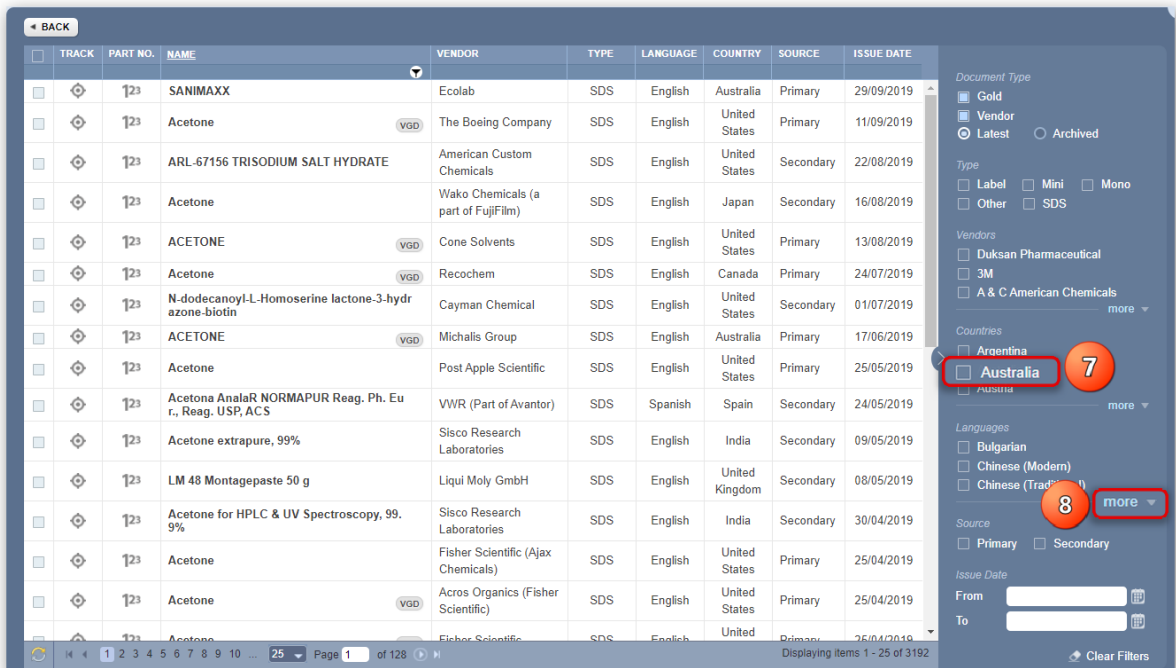
4. Type the **Cat Name** in the Name/CAS free text field.
5. Select the **Product** name from the autocomplete search list panel. In this case, acetone is used to demonstrate the steps.



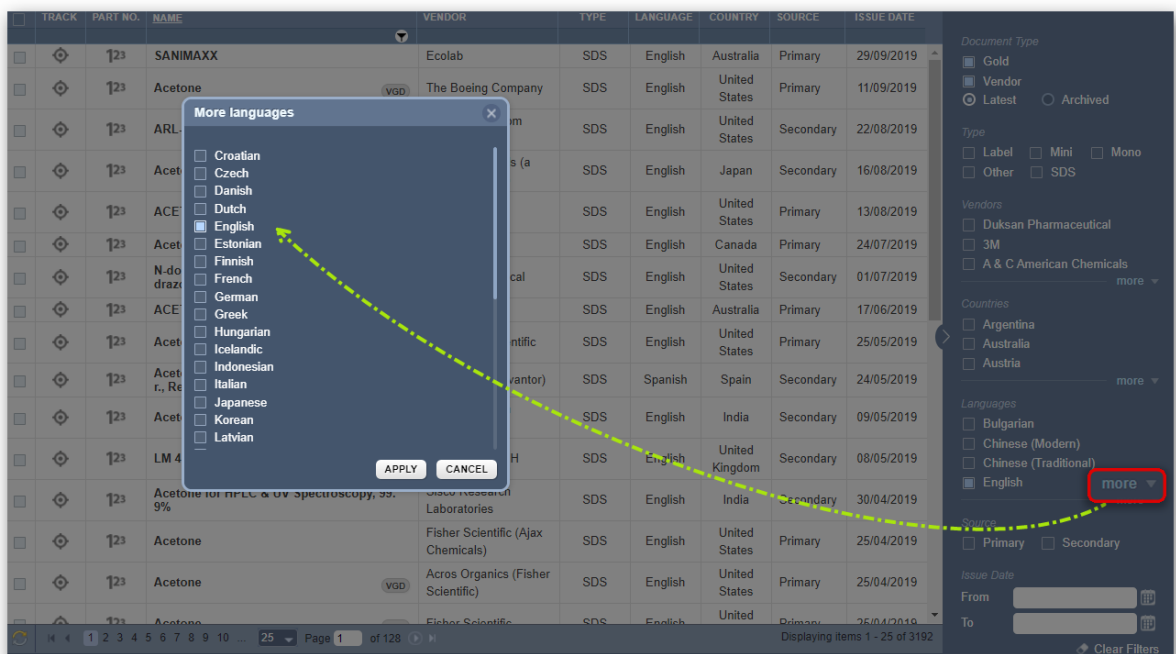
6. Select the **Product name** by a specific vendor of interest to display a list of available multiple vendors.



- Select the **Product name** of the document by a specific vendor of interest to render (display or load) the Vendor SDS document.



- Filter your searched document (Vendor SDS) list by using the language specific checkbox filter to narrow the search, if your language is not showing on the default language list, click on “More” to select a desired language and click apply. Note that you can select more than one language.



- Select the name of the **document** by a specific vendor of interest to render (display or load) the Vendor SDS document), The worked example filters are set for “the latest Australian, English Vendor SDS” as shown below.

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	SANIMAXX	Ecolab	SDS	English	Australia	Primary	29/09/2019
	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	29/03/2019
	123	Acetone	RF Composites	SDS	English	Australia	Primary	01/03/2019
	123	acetone	HiChem Industries	SDS	English	Australia	Primary	05/02/2019
	123	ACETONE	Ixom Operations Pty Ltd	SDS	English	Australia	Secondary	20/11/2018
	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
	123	Acetone [for Spectrophotometry]	Tokyo Chemical Industry Co (Tokyo Kasei Kogyo Co)	SDS	English	Australia	Secondary	10/10/2018
	123	Acetone	Hawley International	SDS	English	Australia	Primary	15/09/2018
	123	ALCOHOL 70%	Petrus Pharmaceuticals	SDS	English	Australia	Primary	22/08/2018
	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	17/07/2018
	123	Acetone	Australian Biostain P/L	SDS	English	Australia	Primary	12/07/2018
	123	Acetone EMPLURA	Merck	SDS	English	Australia	Primary	27/06/2018
	123	Acetone for gas chromatography ECD and FID SupraSolv®	Merck	SDS	English	Australia	Secondary	26/06/2018
	123	Acetone EMPROVE® ESSENTIAL Ph Eur,B P,JPE,NF	Merck	SDS	English	Australia	Secondary	26/06/2018

10. The vendor SDS is displayed showing the Cat Name (Product Name) in section 1.

**i** Generally, a **Vendor SDS must have 16 sections** and section 2 and 14 provides the classification in accordance with GHS and Transport Regulations based on the country of origin. Full details about the product name and supplier details are found in section 1 (Identification) of the manufacturer safety data sheet (Vendor SDS). For more information about the summary structure of the SDS, refer to the [appendix](#).

### 2.1.3 Search for Material by Vendor Name

The steps below illustrate **how to use the Advanced Search method** to search for a Vendor SDS from the full Chemwatch database collection by Vendor Name.

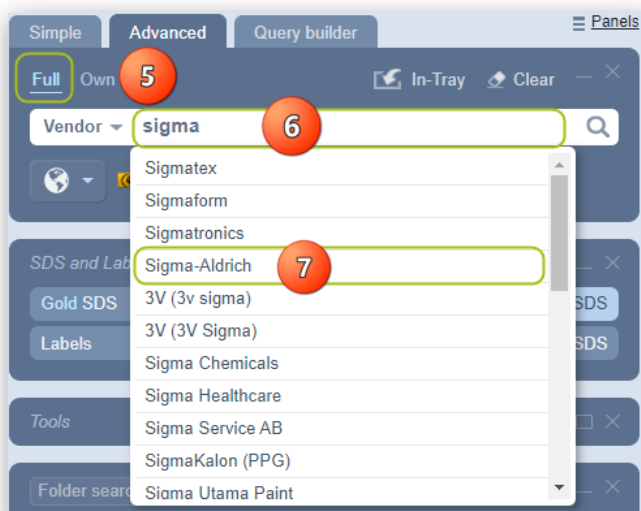
**i** A **Vendor** is also known as a **manufacturer or supplier**. It is the responsibility of the manufacturer of the chemical (product) to author and provide a valid safety data sheet that is compliant regulatory requirements as per jurisdictional instruments, such as a compliant SDS to GHS. Check with your regulator to ensure you have or use the applicable compliant SDS or refer to the code of practice for SDS within your jurisdiction or state. In general, a Vendor SDS must have 14 sections.

#### Steps

1. Press the **Home** module button.
2. Press the **Advanced** tab from the Search Panel.
3. Click on the **Full** button from the search panel to set the database look up path to the full Chemwatch collection.
4. Click the **Vendor SDS** button to set the type of document.



5. Set the database path by selecting “Full” or “Own” option. In this example, the Full option is used.
6. In the Search Panel, type the **name of the Vendor** in the vendor text field.
7. A list of available **vendor group names** (records) display to choose from the list. You may use the vertical scrollbar to navigate through the list until you can identify the desired vendor group name. Select the applicable vendor.



8. A list of available **material records** displays to filter further if required to simply the list of documents (SDS) by Vendor, Country, Language(s) and Tags (where available). Select the applicable document name to display the required vendor SDS.

About 393854 results (4,159 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
<input type="checkbox"/>	cis-Crotonyl alcohol	123	1822720	4088-60-2			United States	English	Sigma-Ald
<input type="checkbox"/>	4,6-Dimethyl-5-formylpyran-2-one	123	9950446	480-65-9			Multiple	Multiple	Multiple
<input type="checkbox"/>	N,N-bis(trimethylsilyl)methylamine <b>Gold</b>	123	36095-5	37074-17-2			Multiple	Multiple	Multiple
<input type="checkbox"/>	4-Amino-2-chlorodiphenylacetone nitrile	123	1563947	4760-53-6			Multiple	English	Multiple
<input type="checkbox"/>	4-tert-pentylcyclohexanol	123	8738962	5349-51-9			Multiple	Multiple	Multiple
<input type="checkbox"/>	Ethyl isoamyl ketone	123	1822041	624-42-0			United States	English	Sigma-Ald
<input type="checkbox"/>	4-chloro-4'-methylbutyrophenone	123	8128687	38425-26-2			United States	English	Sigma-Ald
<input type="checkbox"/>	[(4,6-dimethylpyrimidin-2-yl)thio]acetic acid	123	8255652	55749-30-9			United States	English	Sigma-Ald
<input type="checkbox"/>	glycyl-L-histidyl-L-lysine acetate hydrate <b>Gold</b>	123	48216-4	62024-09-3, 72957-37-0			Multiple	Multiple	Multiple
<input type="checkbox"/>	6,7-DIMETHOXY-1-METHYL-3,4-DIHYDROISOQUINOLINE	123	8129969	4721-98-6			United States	English	Sigma-Ald
<input type="checkbox"/>	6,7-Dihydroxy-3,4-dihydroisoquinoline	123	9159420	4602-83-9			United States	English	Sigma-Ald
<input type="checkbox"/>	2,2,2-Trichloro-1-ethoxyethanol	123	4650820	515-83-3			United States	English	Sigma-Ald
<input type="checkbox"/>	4,5-Diamino-6-hydroxypyrimidine sulfate, 99%	123	9303504	53435-17-9			United States	English	Sigma-Ald
<input type="checkbox"/>	4-METHYL-3-NITROPHENYL ISOCYANATE, 98%	123	4825154	13471-69-7			Multiple	Multiple	Multiple
<input type="checkbox"/>	9-chlorophenanthrene	123	1954728	947-72-8			United States	English	Sigma-Ald
<input type="checkbox"/>	2,2-Dichlorooctanoic acid	123	1838012	102272-30-0			United States	English	Sigma-Ald
<input type="checkbox"/>	DIBROMODULCITOL	123	7820974	10318-26-0			United States	English	Multiple
				68037-95-6					

Grouping by CW number

Document Type

Gold 0  Vendor 3334561

**Vendors**

- Sigma-Aldrich (Merck) 2341400
- Sigma-Aldrich (as MiliporeSigma, Merck) 658796
- Sigma-Aldrich Chemie BV 173611
- Sigma-Aldrich Finland 137430
- Sigma-Aldrich 19461

**Countries**

- United States 413061
- Australia 396908
- Canada 270021
- France 212006
- United Kingdom 192552

**Languages**

- English 1666423
- French 305042
- German 236153
- Spanish 215739
- Italian 187860

**Tags**

- NZ Regs 6
- CLP Hazardous 4
- Red Tag DG 3 4
- Poison 2 Schedule 3
- HSE Materials Tag 2

Clear Filters

**i** Filter your searched document (Vendor SDS) list by using the country and/or language specific checkbox filter to narrow the search, if your country and/or language is not showing on the default country and/or language list on the grid, click on "More" to select the desired country and/or language filter checkboxes and click apply. Note that you can select more than one country or language. In this worked example, Country and Language are filtered for Australia and English respectively.

The screenshot shows a table of documents with columns: TRACK, PART NO., NAME, VENDOR, TYPE, LANGUAGE, COUNTRY, SOURCE, and ISSUE DATE. A 'More languages' dialog box is open, listing various languages with checkboxes. The 'English' checkbox is selected. A red dashed arrow points from the 'more' dropdown in the right sidebar to the 'English' checkbox in the dialog box.

9. Select the **Material Name** alongside the row for the desired specific Vendor name from the filtered (by vendor, country, language) search results list

The screenshot shows a search results table with columns: Name, Part No., CW NUMB..., CAS, Tags, Country, Language, and Vendor. The 'Country', 'Language', and 'Vendor' columns are highlighted with red boxes. The right sidebar shows filters for Document Type, Vendors, Countries, Languages, and Tags.

Name	Part No.	CW NUMB...	CAS	Tags	Country	Language	Vendor
MISSION 3'UTR LENTI GOCLONE PES1	123	15-72393			Australia	English	Sigma-Aldrich (Merck)
MISSION 3'UTR LENTI GOCLONE TAF1B	123	15-72425			Australia	English	Sigma-Aldrich (Merck)
NH2-PEG4-NH2	123	12-05165			Australia	English	Sigma-Aldrich (Merck)
8arm-PEG10K-Maleimide, tripentaerythritol core, average Mn 10000	123	12-05330			Australia	English	Sigma-Aldrich (Merck)
Anti-TMEM132E, antibody produced in rabbit	123	15-71610			Australia	English	Sigma-Aldrich (Merck)
Anti-MBLAC1, antibody produced in rabbit	123	15-71637			Australia	English	Sigma-Aldrich (Merck)
MISSION 3'UTR LENTI GOCLONE LINGO2	123	15-72316			Australia	English	Sigma-Aldrich (Merck)
Anti-ATP6V0D2, antibody produced in rabbit	123	56-1351			Australia	English	Sigma-Aldrich (Merck)
Manganese peroxidase, from white-rot fungus (Phanerochaete chrysosporium)	123	10048753	114995-15-2		Australia	English	Sigma-Aldrich (Merck)
L-Serine-1,2-13C2	123	8340179	142656-03-9		Australia	English	Sigma-Aldrich (Merck)
Anti-C16orf59 (N-term), antibody produced in rabbit	123	15-76316			Australia	English	Sigma-Aldrich (Merck)
Anti-TM4SF20, antibody produced in rabbit	123	59-0205			Australia	English	Sigma-Aldrich (Merck)
Anti-BMP4, antibody produced in rabbit	123	56-5225			Australia	English	Sigma-Aldrich (Merck)
Anti-PDE8A, antibody produced in rabbit	123	56-8965			Australia	English	Sigma-Aldrich (Merck)
MISSION 3'UTR LENTI GOCLONE EYA2	123	15-72911			Australia	English	Sigma-Aldrich (Merck)
MISSION 3'UTR LENTI GOCLONE REEP6	123	15-72915			Australia	English	Sigma-Aldrich (Merck)
CD 844620	123	15-75457			Australia	English	Sigma-Aldrich (Merck)

10. Use the pagination (at the top of the window) to find respective document name. Click on the page number(s) to display more records.

Search Full - Vendor: Sigma-Aldrich

About 279317 results (2.901 seconds)

< 5 6 7 8 9 10 11 12 13 14 >

Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
A SARCOMERIC ACTIN PRIMARY ANTIBODY	123	5711704				Australia	English	Sigma-Aldrich (Merck)
ALBUMIN HUMAN 10% SOLUTION	123	2111680				Australia	English	Sigma-Aldrich (Merck)
ALK PHOS CONJUGATE RABBIT ANTI-DOG IGG (WHOLE MOLECULE), AFFINITY ISOLATED ANTIG	123	6477654				Australia	English	Sigma-Aldrich (Merck)
ALK PHOS CONJUGATE-GOAT ANTI-RAT IGG-WHOLE MOLECULE AFFINITY ISOLATED ANTIGEN S	123	1542827				Australia	English	Sigma-Aldrich (Merck)
ALK PHOS CONJUGATE-GOAT-ANTI-HUMAN POLYVALENT IMMUNOGLOBULINS (ALPHA, GAMMA AND	123	1540563				Australia	English	Sigma-Aldrich (Merck)

Grouping by CW number

Document Type

Gold 0 Vendor 396660

Vendors

Sigma-Aldrich (Merck) 396329  
 Sigma-Aldrich Chemie BV 208  
 Sigma-Aldrich (as MiliporeSigma, Merck) 122  
 Cerilliant Corporation (a part of Sigma-Aldrich) ?

Countries

11. The selected vendor SDS is displayed.

Search Full - Vendor: Sigma-Aldrich > Material: Buffer concentrate pH 11.00

BACK

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	Buffer concentrate pH 11.00	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	12/04/2013

Document Type

Gold  
 Vendor  
 Latest Archived

Type

Label Mini Mono  
 Other SDS

Vendors

Sigma-Aldrich

Countries

Australia  
 Brazil  
 Canada

Languages

English  
 French  
 German

12. Print , Download  or Share  Vendor SDS.

BACK COPY TRACK

Safety Data Sheet 1 / 7

**SIGMA-ALDRICH** sigma-aldrich.com

**SAFETY DATA SHEET**

Version 5.1  
 Revision Date 12.04.2013  
 Print Date 23.07.2015

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifiers**  
 Product name : Buffer concentrate pH 11.00  
 Product Number : 38750  
 Brand : Fluka

**1.2 Other means of identification**  
 no data available

**1.3 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses : Laboratory chemicals, Manufacture of substances

**1.4 Details of the supplier of the safety data sheet**  
 Company : Sigma-Aldrich Pty. Ltd.  
 12 Anella Avenue  
 CASTLE HILL NSW 2154  
 AUSTRALIA  
 Telephone : +61 2 9841 0555 (1800 800 097)  
 Fax : +61 2 9841 0500 (1800 800 096)

Download Print







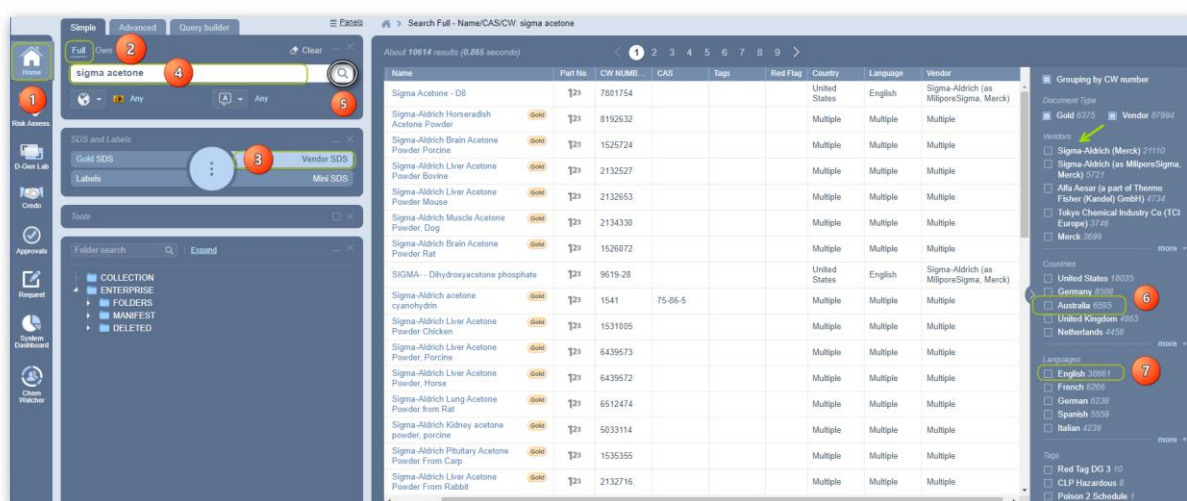
## 2.1.4 Search by Cat Name and Vendor Name

**i** A **Cat Name** is the catalogue (product) name. A vendor is also known as a supplier or manufacturer.

The steps below demonstrate **how to search for material produced by a specific vendor**.

### Steps

1. Press **1** the **Home** module button .
2. Click **2** the **Full** button from the search panel to set the database look up  path to the full Chemwatch collection.
3. Click **3** the **Vendor SDS** button to set the type of document .
4. Type **4** the **Product Name** in the Name/CAS text field  containing the vendor's name.
5. A list of available **material records displays** to filter by specific vendor as per the vendor group (parent manufacturer), country and language.



The screenshot shows the Chemwatch search interface. The search bar contains 'sigma acetone'. The search results table is displayed with columns: Name, Part No, CW MIMD, CAS, Tags, Red Flag, Country, Language, and Vendor. The results list various Sigma-Aldrich products. On the right side, there are filters for 'Grouping by CW number', 'Document Type', 'Countries', and 'Languages'. The 'Countries' filter has 'United States' and 'Germany' selected. The 'Languages' filter has 'English' selected. Red circles with numbers 1 through 7 are overlaid on the interface to indicate the steps described in the text.

Name	Part No	CW MIMD	CAS	Tags	Red Flag	Country	Language	Vendor
Sigma Acetone - DG	123	7801754				United States	English	Sigma-Aldrich (as MiliporeSigma, Merck)
Sigma-Aldrich Hoseradiuh Acetone Powder	0040	123	8192632			Multiple	Multiple	Multiple
Sigma-Aldrich Brain Acetone Powder Porcine	0040	123	1525724			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder Bovine	0040	123	2132527			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder Mouse	0040	123	2132653			Multiple	Multiple	Multiple
Sigma-Aldrich Muscle Acetone Powder, Dog	0040	123	2134330			Multiple	Multiple	Multiple
Sigma-Aldrich Brain Acetone Powder Rat	0040	123	1526872			Multiple	Multiple	Multiple
SIGMA - Dihydroxyacetone phosphate	123	9619-28				United States	English	Sigma-Aldrich (as MiliporeSigma, Merck)
Sigma-Aldrich acetone cyanohydrin	123	1541	75-86-5			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder Chickens	0040	123	1531805			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder, Porcine	0040	123	6439573			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder, Horse	0040	123	6439572			Multiple	Multiple	Multiple
Sigma-Aldrich Lung Acetone Powder from Rat	0040	123	6512474			Multiple	Multiple	Multiple
Sigma-Aldrich Kidney acetone powder, porcine	0040	123	5033114			Multiple	Multiple	Multiple
Sigma-Aldrich Pituitary Acetone Powder From Calf	0040	123	1535355			Multiple	Multiple	Multiple
Sigma-Aldrich Liver Acetone Powder From Rabbit	0040	123	2132716			Multiple	Multiple	Multiple

6. Select **6** the **Country** checkbox to filter by specific country of SDS.
7. Select **7** the **Language** checkbox to filter by specific language of SDS.

About 2133 results (1.196 seconds)

1 2 3 4 5 6 7 8 9 >

Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	Language	Vendor
Sigma-Aldrich Liver Acetone Powder Mouse	123	2132653				Australia	English	Sigma-Aldrich (Merck)
SIGMA PENICILLIN	123	5804613				Australia	English	Sigma-Aldrich (Merck)
Sigma Lysine	123	21956-5	923-27-3			Australia	English	Sigma-Aldrich (Merck)
Sigma Dowex	123	7038101				Australia	English	Sigma-Aldrich (Merck)
Sigma Polyethylenimine	123	20-8028	89551-24-6			Australia	English	Sigma-Aldrich (Merck)
Sigma Thioperamide	123	5275901	106243-16-7			Australia	English	Sigma-Aldrich (Merck)
SIGMA-CAL	123	1116123				Australia	English	Sigma-Aldrich (Merck)
SIGMA BLANKET	123	5862215				Australia	English	Sigma-Aldrich (Merck)
Sigma Cephalixin	123	7709666				Australia	English	Sigma-Aldrich (Merck)
Sigma Gly-Gly	123	48216	556-50-3			Australia	English	Sigma-Aldrich (Merck)
Sigma Senegar	123	6559-25				Australia	English	Sigma-Aldrich (Merck)
Sigma Pipes	123	54943	5625-37-6			Australia	English	Sigma-Aldrich (Merck)
Sigma 7-9	123	72-5244				Australia	English	Sigma-Aldrich (Merck)
Sigma 7-9	123	73-2888				Australia	English	Sigma-Aldrich (Merck)
SIGMA CANDY JAR	123	5032563				Australia	English	Sigma-Aldrich (Merck)
LABOUR SIGMA NETHERLANDS	123	1153623				Australia	English	Sigma-Aldrich (Merck)
SIGMA COLOR REAGENT	123	1296216				Australia	English	Sigma-Aldrich (Merck)
Sigma Adjuvant System	123	5657427				Australia	English	Sigma-Aldrich (Merck)

**Grouping by CW number**

Document Type

Gold 0  Vendor 3855

Vendors

Sigma-Aldrich (Merck) 3855

Merck 366

Alfa Aesar (part of Thermo Fisher Scientific Australia Pty Ltd) 174

Life Technologies (a part of Thermo Fisher Scientific) 130

Chem-Supply 115

more ▾

Countries

Australia 3855

United Kingdom 958

New Zealand 785

Singapore 442

Japan 391


more ▾

Languages

English 3855

French 5

Tags

- The selected material name will show the available documents (Vendor SDS) available for that material. The Issue Date filter can also be used to look up for specific Vendor SDS by date range (from and to) from the calendar icons .

Search Full - Name/CAS/CW: sigma acetone > Material: Sigma-Aldrich Liver Acetone Powder Mouse

BACK

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
<input type="checkbox"/>	123	Sigma-Aldrich Liver Acetone Powder Mouse	ChemWatch	SDS	ANY	ANY	Primary	01/11/2019
<input type="checkbox"/>	123	Liver acetone powder from mouse	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	15/04/2013
<input type="checkbox"/>	123	Sigma-Aldrich Liver Acetone Powder Mouse	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	14/11/2012
<input type="checkbox"/>	123	LIVER ACETONE POWDER MOUSE	Sigma-Aldrich (Merck)	SDS	English	Australia	Secondary	14/02/2006

Document Type

Gold

Vendor

Latest  Archived

Type

Label  Mini  Mono

Other  SDS

Vendors

Chemwatch Gold

Sigma-Aldrich

Countries

Australia

Denmark

Finland

more ▾

Languages

Danish

English


Finnish


more ▾

Source

Primary  Secondary

Issue Date




From  

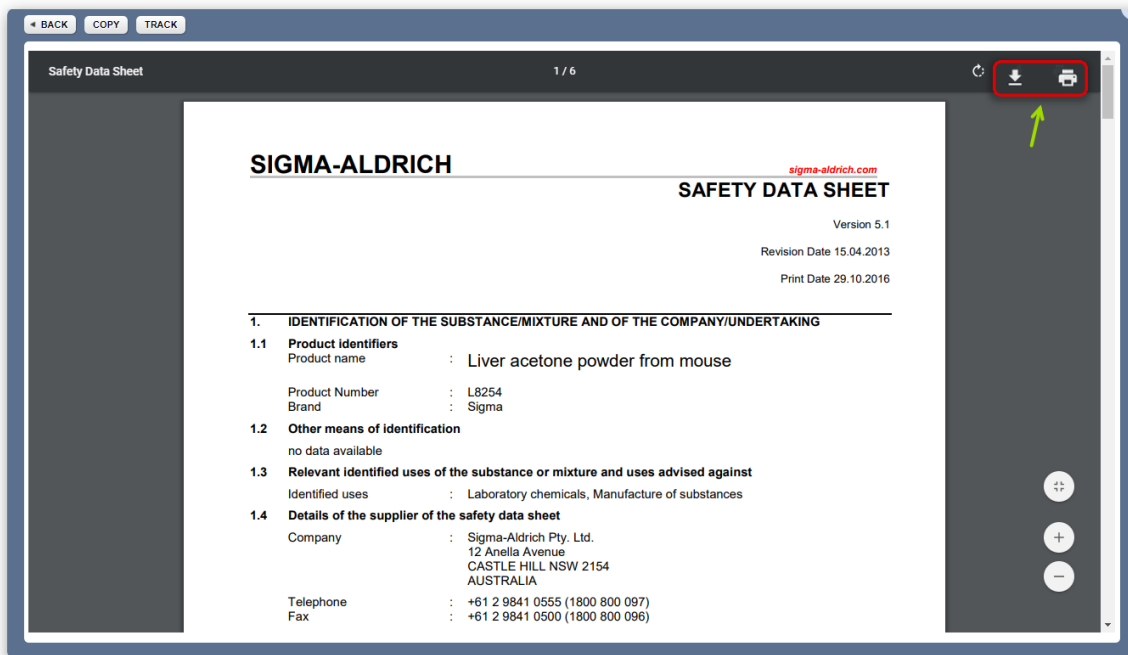
To  

Page 1 of 1

Displaying items 1 - 4 of 4

Clear Filters

- The selected vendor SDS gets displayed.
- Print , Download  or Share  Vendor SDS. Use the clear button from the search panel to clear the current actions.



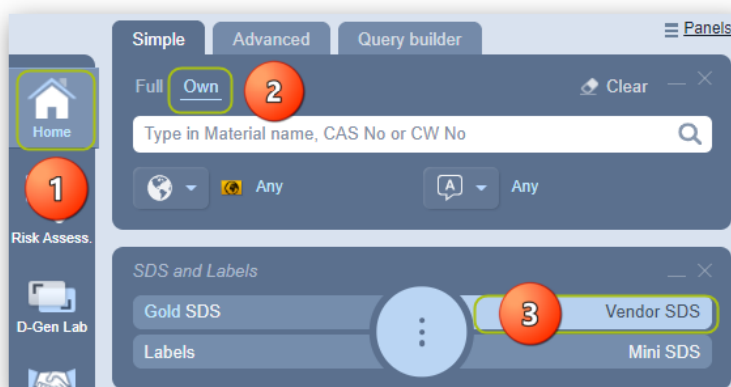
## 2.1.5 Search for Material from your OWN Inventory





The following steps illustrate **how to use the simple search autocomplete method to search** for a Vendor SDS by material name from your **Own inventory**.

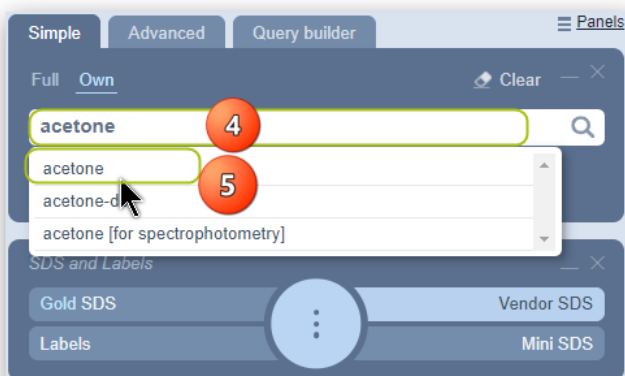
**i** Setting the **Own** Search option will direct all subsequent searches to be conducted from your organization's inventory registered in the Chemwatch full database collection.


### Steps




1. In the **Home module**, select **Simple search** tab (if it's not already the default mode).
2. Select the **OWN** option to set the database path in order to look up for the Vendor SDS from your inventory located within the Chemwatch collection.
3. Press the **Vendor SDS button** from the SDS panel to set the type of document.

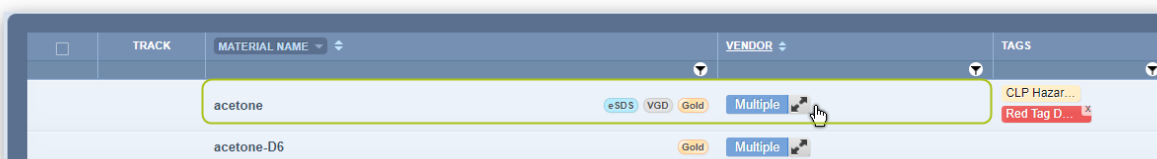



- Type  the **material** or **chemical name** in the Name/CAS free text field .
- Select  the **material** or **chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.







 Take note that the autocomplete list will display a smaller number of results compared to a full search as your own organisation's inventory is a lot smaller than the Chemwatch full collection.

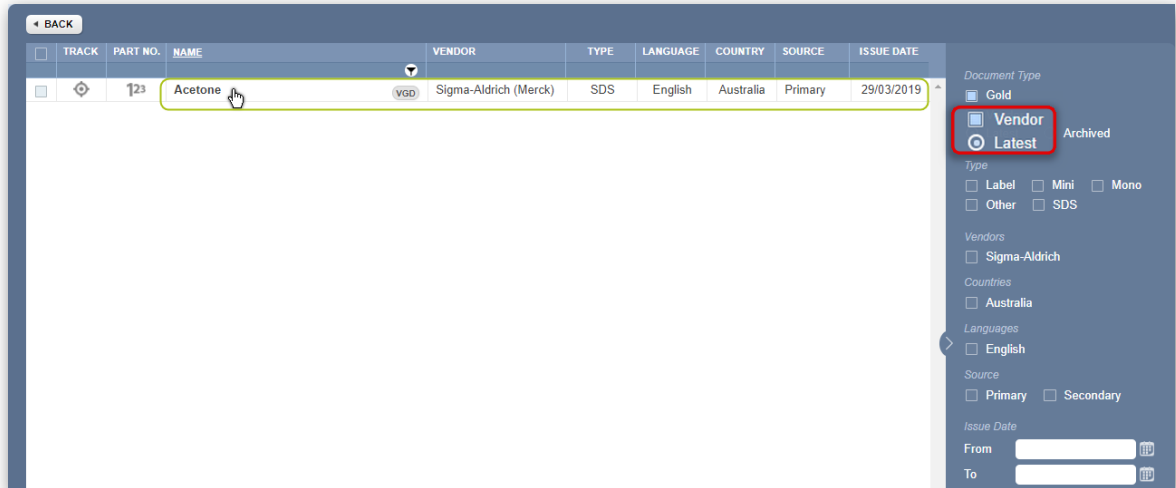
- Select  the **material name** if it is the only vendor record found. However, if there's more than one Vendor SDS, a multiple button will show on the grid alongside the same row for the material found in your own inventory. Select  the **Multiple**  button to display a list of available multiple vendor documents for this material.



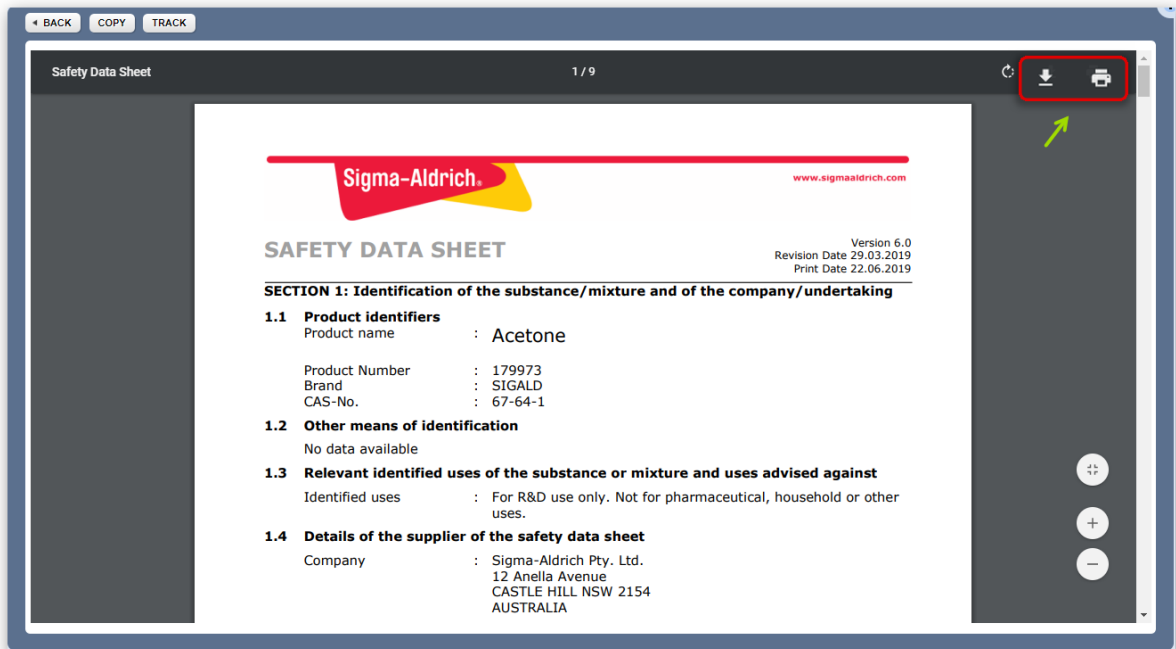
- Select  the **name of the document** by a specific vendor of interest to render (display or load) the Vendor SDS document. The Vendor SDS record will show the Issue Date and the Data Extraction Date conducted by Chemwatch.

	TRACK	MATERIAL NAME	VENDOR	TAGS
<input type="checkbox"/>		<u>Acetone</u> Issue Date: <a href="#">29/03/2019</a> , Extraction Date: <a href="#">29/11/2019</a>	VGD Gold Sigma-Aldrich (Merck)	CLP Hazar... Red Tag D...
<input type="checkbox"/>		<u>Acetone</u> Issue Date: <a href="#">22/12/2017</a> , Extraction Date: <a href="#">27/02/2019</a>	VGD Gold Chem-Supply	CLP Hazar... Red Tag D...
<input type="checkbox"/>		<u>Acetone</u> Issue Date: <a href="#">01/09/2017</a> , Extraction Date: <a href="#">18/07/2018</a>	VGD Gold perrigo (Orion Laboratories)	CLP Hazar... Red Tag D...
<input type="checkbox"/>		<u>Acetone</u> Issue Date: <a href="#">16/12/2015</a> , Extraction Date: <a href="#">18/07/2018</a>	VGD Gold Wilmar BioEthanol (Sucrogen BioEthanol)	CLP Hazar... Red Tag D...

- The **document list** will be displayed in the grid for any available SDS document details based on current filters; i.e., Name, Vendor, Document Type, Language, Country, Source and Issue Date on the grid. The current filters are shown on the right-hand side panel.



9. The Vendor SDS is displayed.



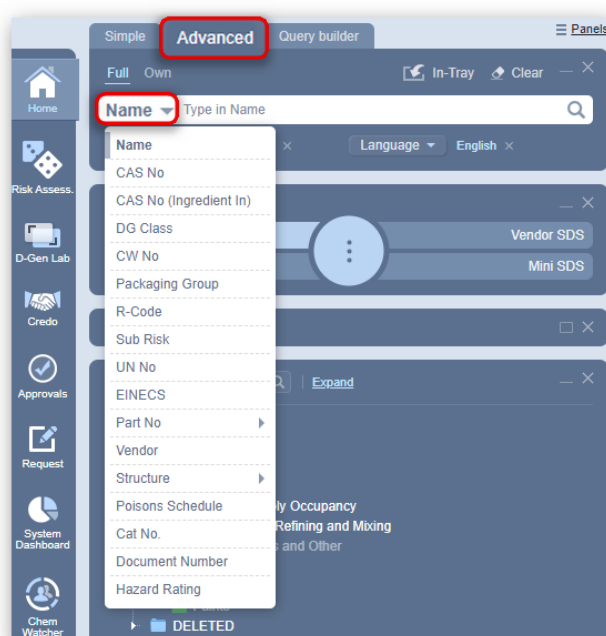
## 2.1.6 Advanced Search Options

This Advanced Search topic will cover the following objectives;

- Search for material by CAS Number
- Search for material by Chemwatch Number
- Search for material by CAS No (IngredientIn)
- Search for material by Poison Schedule
- Search for material by Molar Concentration




The **Advanced Search** method allows user to search by generic names of products, chemicals, pure substances, synonyms, part numbers, preferred names, CAS numbers, CW numbers, DG class, Risk Code, Packing Group, Sub Risk, UN No., Poison Schedule and Molecular Structure.





This section covers the context and steps on how to use the Advanced tab of the Search Panel to search for specific materials by Name/CAS, Vendor, CW number, etc. The tables below list the search options available in the Name/CAS drop down list and their respective descriptions.

Search Option	Description	Use (Search by)
Name	Name of material	To allow user to search by the name of the material to retrieve Vendor, Mini, Gold SDS, Labels and Emergency Reports. Click <a href="http://www.iupac.org/home/publications/e-resources/nomenclature-and-terminology.html">the link below</a> for further information on IUPAC names.

Search Option	Description	Use (Search by)								
<b>CAS No</b>	Chemical Abstract Substance Number	This is a unique numeric identifier in the CAS REGISTRY designated to a known substance. Click the link below for reference. <a href="http://www.cas.org/content/chemical-substances/faqs">http://www.cas.org/content/chemical-substances/faqs</a>								
<b>CAS No (Ingredient In)</b>	Ingredients In CAS No	Chemical Abstract Substance Number (CAS No) ingredients in material								
<b>DG Class</b>	Dangerous Goods Class	DG Classes 1 to 9 are listed to choose the primary class field. Refer for more in the link. <a href="http://www.unece.org/trans/danger/danger.html">http://www.unece.org/trans/danger/danger.html</a>								
<b>CW No</b>	Chemwatch Number	Chemwatch numbers are assigned to all materials registered in the Chemwatch database for both pure and non-pure substances.								
<b>Packing Group field (PKG)</b>	Packing Group as per DG classification	Packing Group is the grading of danger for materials classed as dangerous goods. <table border="1"> <thead> <tr> <th>PG</th> <th>Level of Danger</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Greater danger</td> </tr> <tr> <td>II</td> <td>Medium danger</td> </tr> <tr> <td>III</td> <td>Minor danger</td> </tr> </tbody> </table>	PG	Level of Danger	I	Greater danger	II	Medium danger	III	Minor danger
PG	Level of Danger									
I	Greater danger									
II	Medium danger									
III	Minor danger									
<b>R-Code</b>	Risk Code	Risk code is a hazard classification used to classify a substance. Click  the link <a href="#">download classification guide</a> .								
<b>Sub Risk</b>	Sub Risk	Sub Risk as per DG classification								
<b>UN No</b>	United Nations Number	UN No is a UN four-digit identity number that identifies a hazardous substance in the international transport framework.								
<b>EINECS</b>	EINECS number used in European countries	European Inventory of Existing Commercial Chemical Substances. These are substances considered phase-in substances under the REACH Regulation.								
<b>Part No, User Part No, Vendor</b>	User dependent part number, vendor part number	Vendor Part number assigned to a product or User assigned Part Number								
<b>Vendor</b>	Search for material using Vendor (Manufacturer, Supplier) name	Lists parent company and subsidiary operating businesses Lists materials available in the database by that company Access to Vendor, Mini, Gold, Labels and Emergency Reports								
<b>Structure</b>	Draw a 2D molecular structure	Search the database by use of a chemical molecular structure. Smiles strings can be used to search for specific material.								
<b>Poison Schedule</b>	The Standard for the	Poison schedule number between 1 and 10 to find available								

Search Option	Description	Use (Search by)
	Uniform Scheduling of Medicines and Poisons ( <a href="#">SUSMP</a> )	materials scheduled as medicines and poisons in the database.
<b>Cat No</b>	Catalog number	Product number (catalogue number)
<b>FORMS</b>	Forms	Search by using Forms
<b>Ingredient Name/CAS (FD UGD)</b>	Ingredient Name/CAS (FD User Gold Data)	A user with the privilege "Access to Full Disclosure Ingredients (UGD)" can use this feature to view those details or use that piece of data in Own search as well as the Report Generator module
<b>Hazard Rating</b>	Chemwatch hazard rating	Search by Chemwatch hazard rating










The following section provides the steps on 'how to use the simple search autocomplete method', to look up  for a Vendor SDS by CAS No, CW No, Risk Code and DGC.

 Setting the **OWN** Search option will direct all subsequent searches to be conducted from your inventory registered in Chemwatch's full collection. Note that this is your organisation's inventory which will always be far less than the total Chemwatch full database collection which contains millions of SDS.

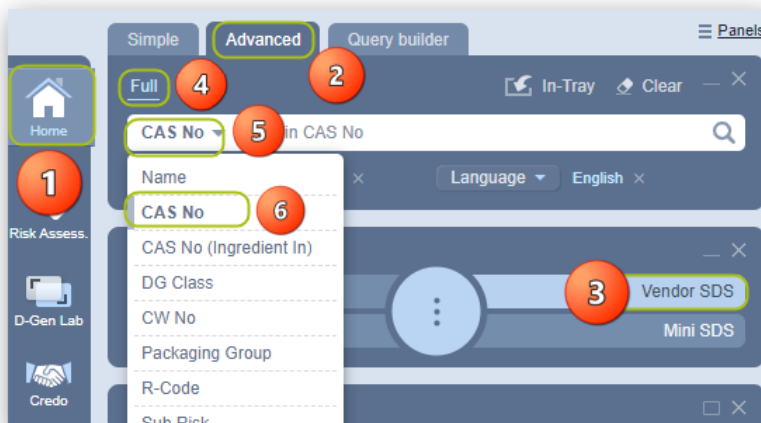
### 2.1.6.1 Search for Material by CAS Number

The steps below show how to search for material by CAS number.

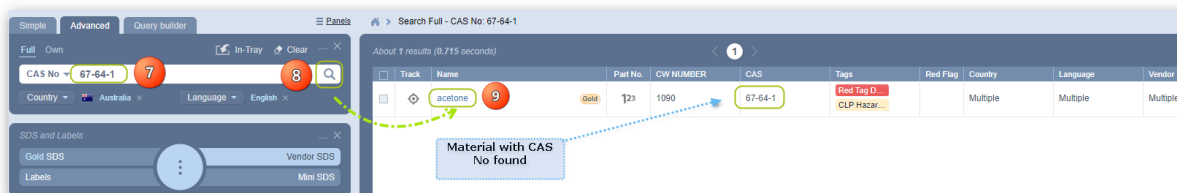
#### Steps

1. Select  the **Home module**  (if it's not already the default module).
2. Press the **Advanced tab** from the search panel.
3. Press  the **Vendor SDS button** from the SDS panel to set the type of document .
4. Click  the **Full** search option to look up  for the Vendor SDS by CAS number.
5. Press  the **Name/CAS drop-down arrow**  to list the advanced search options.
6. Click  the **CAS No** search option from the drop-down list to set it as the current search parameter.





- Type the CAS Number in the CAS No free text field, e.g., 67-64-1 and select it from the autocomplete list (will automatically start the search).
- Press the Search button (magnifying glass icon) to search for a material with this CAS No.
- Click the Name from the material search results list, e.g., acetone is the returned item in the search results list showing the matching CAS Number.



- Click the Name from the document list, e.g., Acetone by Sigma-Aldrich (Merck) is one of the returned items in the search results list based on the matching CAS Number.

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	Acetone_Bottle_1L	Auschem	SDS	English	Australia	Primary	23/01/2020
	123	ACETONE	Chem-Supply	SDS	English	Australia	Primary	01/12/2019
	123	SANIMAXX	ECOLAB	SDS	English	Australia	Primary	29/09/2019
	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	29/03/2019
	123	Acetone	Agilent Technologies	SDS	English	Australia	Secondary	25/03/2019
	123	Acetone	RF Composites	SDS	English	Australia	Primary	01/03/2019
	123	acetone	HiChem Industries	SDS	English	Australia	Primary	05/02/2019
	123	Acetone	Norglass Paints and Specialty Finishes	SDS	English	Australia	Secondary	10/12/2018
	123	ACETONE	Ixom Operations Pty Ltd	SDS	English	Australia	Secondary	20/11/2018
	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
	123	ACETONE	DySol (a part of Socomore)	SDS	English	Australia	Primary	08/11/2018
	123	Acetone [for Spectrophotometry]	Tokyo Chemical Industry Co (Tokyo Kasei Kogyo Co)	SDS	English	Australia	Secondary	10/10/2018

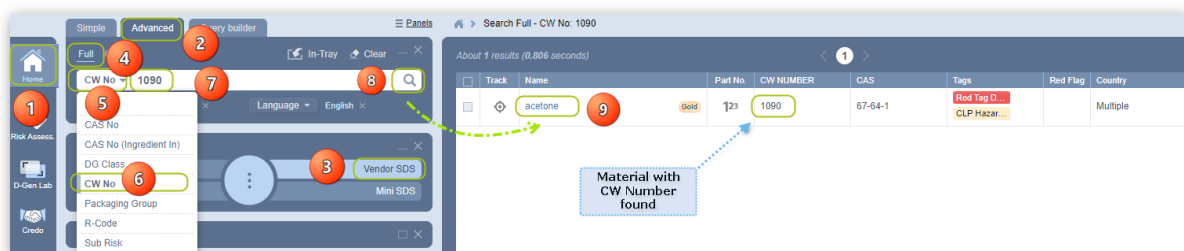
- Vendor SDS displays in pdf format .



## 2.1.6.2 Search for Material by Chemwatch Number

### Steps

1. Select the **Home** module button (if it's not already the default module).
2. Press the **Advanced** tab from the search panel.
3. Press the **Vendor SDS** button from the SDS panel to set the type of document.
4. Click the **Full** search option to look up for the Vendor SDS by Chemwatch number.
5. Press the **Name/CAS drop-down arrow** to list the advanced search options.
6. Click the **CW No** search option from the drop-down list to set it as the current search parameter.



7. Type the **Chemwatch Number** in the CW No free text field, e.g., 1090 and select it from the autocomplete list (will automatically start the search).
8. Press the **Search** button (magnifying glass icon) to search for a material with this CAS No.
9. Click the **Name** from the material search results list, e.g., acetone is the returned item in the search results list showing the matching CAS Number.

10. Click the **Name** from the document list, e.g., Acetone by Sigma-Aldrich (Merck) is one of the returned items in the search results list based on the matching CAS Number.

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	Acetone_Bottle_1L	AusChem	SDS	English	Australia	Primary	23/01/2020
	123	ACETONE	Chem-Supply	SDS	English	Australia	Primary	01/12/2019
	123	SANIMAXX	Ecoblab	SDS	English	Australia	Primary	29/09/2019
	123	ACETONE	Michalis Group	SDS	English	Australia	Primary	17/06/2019
	123	Acetone	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	29/03/2019
	123	Acetone	Agilent Technologies	SDS	English	Australia	Secondary	25/03/2019
	123	Acetone	RF Composites	SDS	English	Australia	Primary	01/03/2019
	123	acetone	HiChem Industries	SDS	English	Australia	Primary	05/02/2019
	123	Acetone	Norglass Paints and Specialty Finishes	SDS	English	Australia	Secondary	10/12/2018
	123	ACETONE	Ixom Operations Pty Ltd	SDS	English	Australia	Secondary	20/11/2018
	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
	123	Acetone	Redox Pty Ltd	SDS	English	Australia	Primary	15/11/2018
	123	ACETONE	Dysol (a part of Socomore)	SDS	English	Australia	Primary	08/11/2018
	123	Acetone [for Spectrophotometry]	Tokyo Chemical Industry Co (Tokyo Kasei Kogyo Co)	SDS	English	Australia	Secondary	10/10/2018

11. Vendor SDS display in pdf format .

Material: Acetone > Document: Acetone (Sigma-Aldrich (Merck))

BACK TRACK

Safety Data Sheet 1 / 8

**SIGMA-ALDRICH** sigma-aldrich.com  
**SAFETY DATA SHEET**  
 Version 3.16  
 Revision Date 21.08.2018  
 Print Date 22.09.2018

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifiers**  
 Product name : Acetone  
 Product Number : 650501  
 Brand : Sigma-Aldrich

**1.2 Other means of identification**  
 No data available

**1.3 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses : Laboratory chemicals, Manufacture of substances









**1.4 Details of the supplier of the safety data sheet**  
 Company : Sigma-Aldrich Pty. Ltd.  
 12 Anella Avenue  
 CASTLE HILL, NSW 2154  
 AUSTRALIA  
 Telephone : +61 2 9841 0555 (1800 800 097)  
 Fax : +61 2 9841 0500 (1800 800 096)

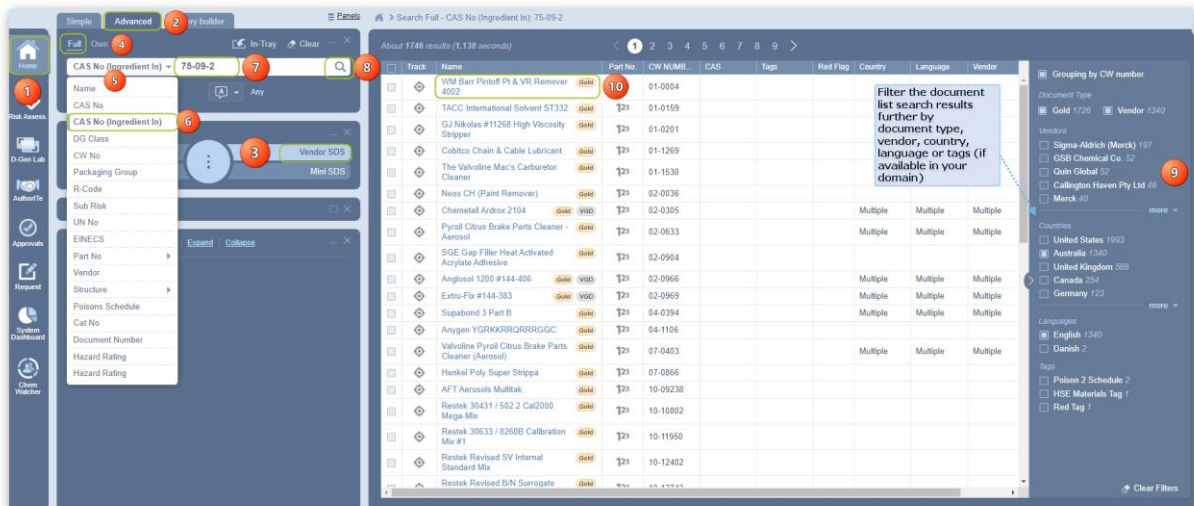
**1.5 Emergency telephone number**  
 Emergency Phone # : Free call (24/7): 1800 448 465  
 Int'l (24/7): +61 2 9037 2994 (CHEMTREC)








### 2.1.6.3 Search for Material by CAS No (IngredientIn)



Searching by **CAS No (IngredientIn)** option enables users to search by *Chemical Abstract Substance Number Ingredient In* to identify materials containing the chemical ingredient(s) or active constituent(s).

## Steps

1. In the **Home module** , select  the **Simple search tab** (if it's not already the default mode).
2. Press  the **Advanced tab** from the search panel.
3. Press  the **Vendor SDS button** from the SDS panel to set the type of document .
4. Click  the **Full search option** from the search panel.
5. Press  the **Name/CAS drop-down arrow** to list the advanced search options.
6. Click  the **CAS No (Ingredient In)** advanced search option from the drop-down list to set it as the current search parameter.



7. Type  the **CAS Number** in the free text field , e.g., 75-09-2.
8. Press  the **Search button** (magnifying glass icon ) to search for material(s).
9. Use the side panel to filter the search results from the found list by specific vendor, country, and language.
10. Click  the **Name from the material search results list**, e.g., Pyroil Citrus Brake Parts Cleaner – Aerosol.
11. Click  the **Name from the document list** from the list of records found to display the specific vendor SDS in pdf format .

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE	Document Type
		Pyroil Citrus Brake Parts Cleaner - Aerosol	ChemWatch	SDS	ANY	ANY	Primary	01/11/2019	<input checked="" type="checkbox"/> Gold
		Pyroil Citrus Brake Parts Cleaner - Aerosol	Valvoline (Australia) Pty Ltd	SDS	ANY	ANY	Secondary	01/11/2019	<input type="checkbox"/> Vendor
		Pyroil Citrus Brake Parts Cleaner - Aerosol	Aaron Laboratories	SDS	English	Australia	Secondary	01/06/2006	<input type="checkbox"/> Latest <input type="radio"/> Archived

In this worked example, a Chemwatch SDS for ANY language and country has been selected to show an html version.

**Pyroil Citrus Brake Parts Cleaner - Aerosol**  
**Valvoline (Australia) Pty Ltd**  
 Chemwatch: 02-0633  
 Version No: 4.1.1.1  
 Safety Data Sheet according to WHS and ADG requirements

**Chemwatch Hazard Alert Code: 4**  
 Issue Date: 01/11/2019  
 Print Date: 16/04/2020  
 L.GHS.AUS.EN

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifier**

Product name	Pyroil Citrus Brake Parts Cleaner - Aerosol
Synonyms	Part no: 7116
Proper shipping name	AEROSOLS
Other means of identification	Not Available

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Brake and parts cleaner. The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before starting consider control of exposure by mechanical ventilation. Application is by spray atomisation from a hand held aerosol pack
--------------------------	---

**Details of the supplier of the safety data sheet**

Registered company name	Valvoline (Australia) Pty Ltd
Address	Level 6, 2 Burbank Place Baulkham Hills NSW 2153 Australia
Telephone	+61 2 9609 7999
Fax	+61 2 9604 5127
Website	https://www.valvoline.com/trade-partners/worldwide-distributors/asia-pacific/
Email	technical@valvoline.com.au

**Emergency telephone number**

Association / Organisation	Valvoline Technical Hotline	CHEMWATCH EMERGENCY RESPONSE
Emergency telephone numbers	1800 804 658 (Mon-Fri 8.30am - 4.30pm AEST)	+61 1800 951 288

12. Click the **Gold SDS** button from the SDS and Labels panel to open and view **Ingredients** in section 3 of the Chemwatch Gold SDS.
13. Click the **Gold SDS Settings** button to open the **Sections menu** from the settings icon .
14. Select the **Ingredients** (section 3).
15. Ingredients identified in section 3 of the Gold SDSs show the respective ingredients by name, CAS number (if available) and composition by % [Weight].

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

Substances  
See section below for composition of Mixtures

Mixtures	CAS No	%[weight]	Name
	127-18-4	30-60	tetrachloroethylene
	68476-85-7	30-60	hydrocarbon propellant
	75-09-2	10-30	methylene chloride
	Not Available	balance	other ingredients, nonhazardous

**SECTION 4 FIRST AID MEASURES**

Description of first aid measures

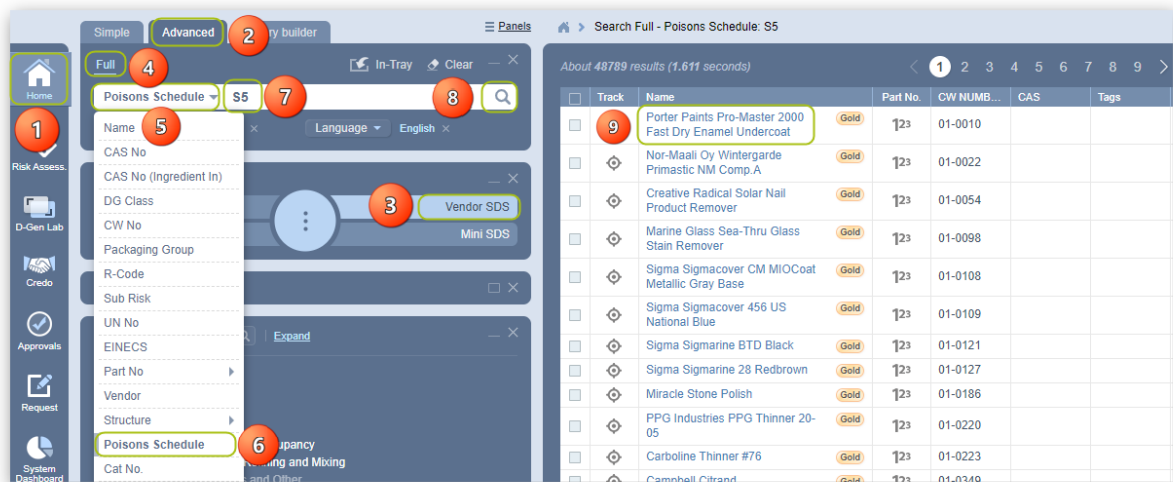
### 2.1.6.4 Search for Material by Poison Schedule

The **Poison Schedule** number is between 1 and 10 as per the SUSMP standard (Australia).

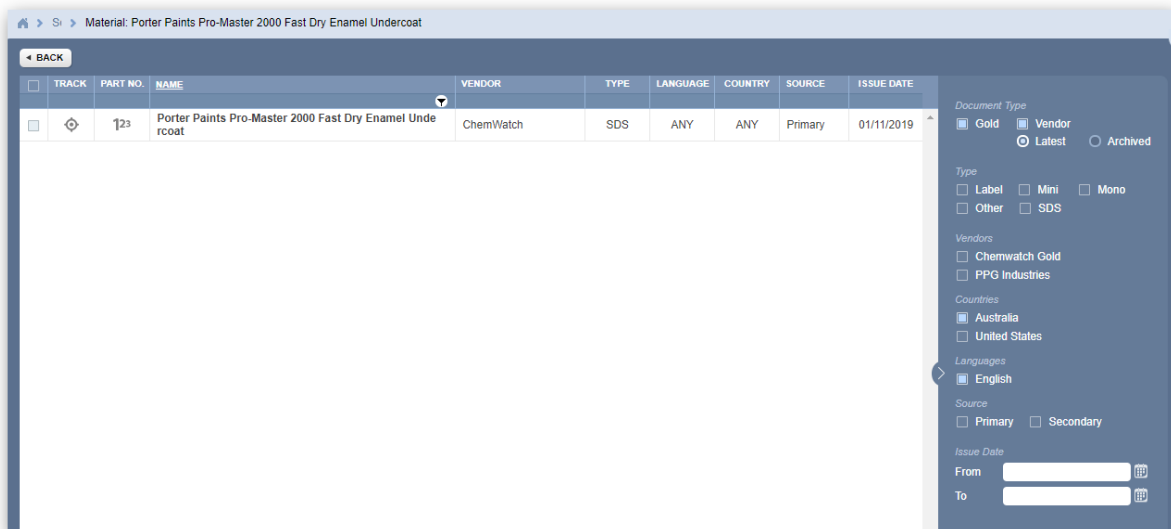
#### Steps

1. In the **Home module** , select the Simple search / tab (if it's not already the default mode).
2. Press the **Advanced** tab from the search panel.
3. Press the **Vendor SDS** button from the SDS panel to set the type of document .
4. Click the **Full** search option to look up for the Vendor SDS by Chemwatch number.
5. Press the **Name/CAS drop-down arrow** to list the advanced search options.

- Click the **Poison Schedule** search option from the drop-down list to set it as the current search parameter.



- Type the **Poison Schedule** code in the free text field, e.g., S5.
- Press the **Search** button (magnifying glass icon) to search for a material(s).
- Click the **Name** from the **material search results** list, e.g., porter paints pro-master 2000.
- Click the **Name** from the **document list** from the list of records found to display SDS.



- In this example, the available document is a Gold SDS.
- Click the **Gold SDS Settings** button to open the **Sections** menu from the settings icon.
- Select **Hazards Identification** (section 2) to take note of the Poison Schedule code for the material.

The screenshot shows the 'SECTION 2 HAZARDS IDENTIFICATION' page in the Chemwatch software. The search bar at the top contains 'Poisons Schedule S5'. The page is divided into several sections: 'Classification of the substance or mixture', 'Label elements', and 'Hazard statement(s)'. The 'Classification' section shows 'Poisons Schedule S5' and a detailed classification: 'Flammable Liquid Category 3, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 1A, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Specific target organ toxicity - single exposure Category 3 (narcotic effects), Specific target organ toxicity - repeated exposure Category 2'. The 'Label elements' section shows three hazard pictograms: a flame (H226), a corrosive liquid (H315), and a dead tree and fish (H319). The 'Signal word' is 'DANGER'. The 'Hazard statement(s)' section lists: H226: Flammable liquid and vapour; H315: Causes skin irritation; H319: Causes serious eye irritation.

### 2.1.6.5 Search for Material by Molar Concentration

Searching for specific molar concentrations may not yield results for all concentrations due to the non-availability of all types of concentrations of materials, chemicals, products, compounds or mixtures. In this case, Chemwatch recommends that; if a concentration that is greater than (>) the one you are searching for, use the higher molar concentration to get results that may be within a certain concentration range.

The screenshot shows the search interface in the Chemwatch software. The search bar contains '0.1 M'. An auto-complete dropdown menu is open, showing a list of search results: '0.1 m dtt', '0.1 mol/l', '0.1 m naoh', '0.1 m edta', '0.1 m agno3', '0.1 m dtt, vialcd', '0.1 m mdh in dms0', '0.1 mm glass beads', '0.1 m dtt, special', and '0.1 m nh4cl standard'. The interface also shows navigation tabs for 'Simple', 'Advanced', and 'Query builder', and a sidebar with icons for 'Home', 'Risk Assess.', 'D-Gen Lab', 'Credo', and 'Approvals'.

**i** If a concentration of a material is available from the Chemwatch full collection, it will be possible to obtain a Gold SDS, Labels, Emergency reports and possibly a Vendor SDS. The auto-complete window will show available concentrations when searching by “value/number” and “m” in the search name field to check if that concentration is available. If not, try a higher concentration value. If a concentration does not exist in the full collection, refer to Credo module, to create your own mixtures.

It is also possible to search for material by common concentration units of measure; such as, molar concentration; M, m, N, mmol/L (mM), μmol/L (μM), nmol/L (nM), etc.

## Molarity

Molarity is defined as the number of moles of solute (n) divided by the volume (V) of the solution in liters. The molar concentration formula:

Molarity (M) =	Number of moles (n)
	Volume of solution (V)

The meaning of concentration; A 1 M solution is one that has exactly 1 mole of solute dissolved in a total solution volume of exactly 1 L. Utilising SI prefixes, the concentration may also be expressed in differing fractions of molar concentrations such as mmol/L (mM),  $\mu\text{mol/L}$  ( $\mu\text{M}$ ), nmol/L (nM), etc.

## Molar Solution Concentration

Concentration (C) =	mass (Weight of solute)	X	1
	Volume (Volume of solution)		MW (Molecular Weight)

Dilution calculations for solutions with molarity or percent concentration units are also found in the Chemwatch database full collection as some products are registered as per manufacturers' (suppliers) naming conversion.

### *Dilution*


$$C_1V_1 = C_2V_2$$

Most commonly used equation is  $M_1V_1 = M_2V_2$ , where M is the C (concentration).


- $C_1$  concentration of the stock solution.
- $V_1$  volume to be removed from the concentrated stock solution.
- $C_2$  final concentration of the diluted solution.
- $V_2$  final volume of the diluted solution. This is the volume that results after  $V_1$  from the stock solution has been diluted with diluent to achieve a total diluted volume of  $V_2$ .

### *Percent Solution*












% Solution =	Weight of solute	X 100%
	Volume of Solution	

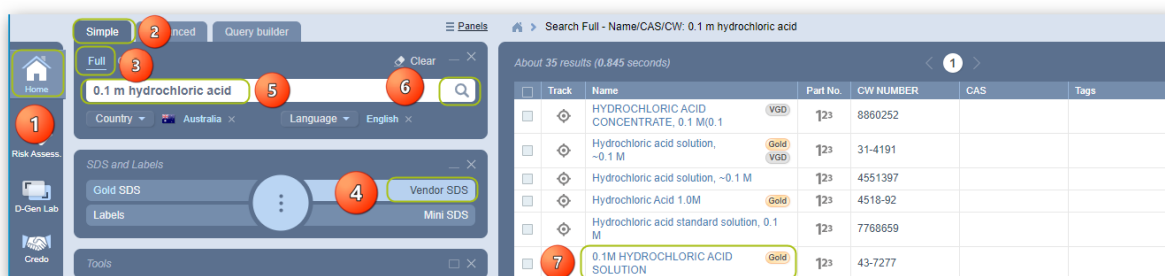
The following steps illustrate the sequence with screen capture on [how to use the simple search autocomplete method](#), to search  for an SDS from the full Chemwatch database collection by a specific molar concentration of hydrochloric acid.



**i** If the product is available, a search result list will display, however, if no product is found, the search result will display the message "no records found". In this case, send a request to upload Vendor SDS through the email  address below and ensure to attach the latest version of the SDS: [msdsuploads@chemwatch.net](mailto:msdsuploads@chemwatch.net).



## Steps

1. Press  the **Home** module button  (if it's not already the default module).
2. Press  the **Simple** tab from the search panel.
3. Click  the **Full** search option to look up  for the SDS from the Chemwatch full database collection.
4. Press  the **Vendor SDS** button from the SDS and Labels panel to set the type of document .
5. Type  the **molar concentration** value followed by the letter **"M"** and name of the chemical in the Name/CAS free text field , e.g., 0.1 M Hydrochloric acid.
6. Press  the **Search** button (magnifying glass icon ) to search for a material(s).



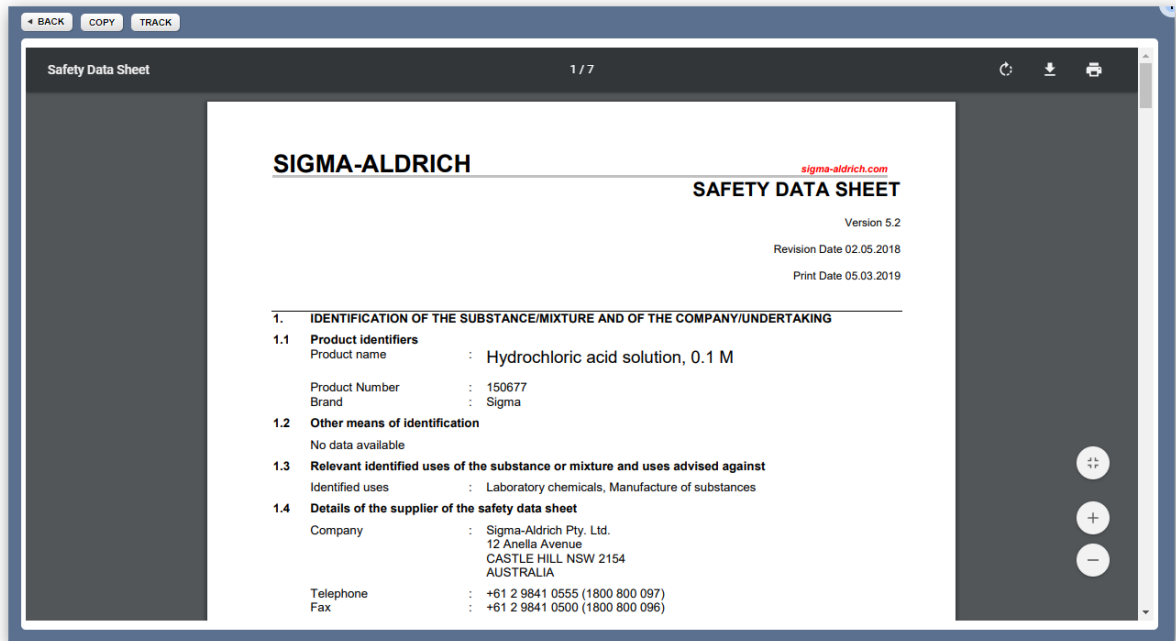
The screenshot shows the search interface with the following elements highlighted by red circles and numbers:

- 1: Home button in the sidebar.
- 2: Simple tab selected in the search panel.
- 3: Full search option selected in the search panel.
- 4: Vendor SDS button selected in the SDS and Labels panel.
- 5: Search input field containing '0.1 m hydrochloric acid'.
- 6: Search button (magnifying glass icon) in the search panel.
- 7: Search results table showing a list of results, with the first result '0.1M HYDROCHLORIC ACID SOLUTION' highlighted.

7. Select  the molar concentration **material name** to display available SDS.
8. Select  the molar concentration **material name** from the document list to display SDS.

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
<input type="checkbox"/>	123	hydrochloric acid 0.1M solution	ChemWatch	SDS	ANY	ANY	Primary	01/11/2019
<input type="checkbox"/>	123	Hydrochloric acid solution, 0.1 M	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	02/05/2018
<input type="checkbox"/>	123	Hydrochloric acid, 0.1N Standardized Solution	Alfa Aesar (part of Thermo Fisher Scientific Australia Pty Ltd)	SDS	English	Australia	Secondary	01/01/2017
<input type="checkbox"/>	123	Hydrochloric acid, Acculate Standard Volumetric Solution, Final Concentration 0.1N	Alfa Aesar (part of Thermo Fisher Scientific Australia Pty Ltd)	SDS	English	Australia	Secondary	31/12/2016
<input type="checkbox"/>	123	Hydrochloric acid concentrate	Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	18/12/2016
<input type="checkbox"/>	123	HYDROCHLORIC ACID SOLUTION 0.1N	Proscitech	SDS	English	Australia	Secondary	09/11/2015
<input type="checkbox"/>	123	Hydrochloric acid, 0.1 N solution	Merck	SDS	English	Australia	Primary	01/08/2014
<input type="checkbox"/>	123	HYDROCHLORIC ACID 0.1N	Watertest Systems	SDS	English	Australia	Primary	30/06/2014
<input type="checkbox"/>	123	HYDROCHLORIC ACID 0.1M	Chem-Supply	SDS	English	Australia	Primary	01/09/2012
<input type="checkbox"/>	123	HYDROCHLORIC ACID 0.1M	Chem-Supply	SDS	English	Australia	Primary	01/09/2012
<input type="checkbox"/>	123	Hydrochloric Acid 0.1M	Scharlab- (Chem-supply-Regional Representative)	SDS	English	Australia	Primary	01/09/2012
<input type="checkbox"/>	123	Hydrochloric acid solution, 0.1 N	Sigma-Aldrich (Merck)	SDS	English	Australia	Secondary	12/06/2012

9. Vendor SDS displays in pdf format .



**SIGMA-ALDRICH** sigma-aldrich.com  
**SAFETY DATA SHEET**  
 Version 5.2  
 Revision Date 02.05.2018  
 Print Date 05.03.2019

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

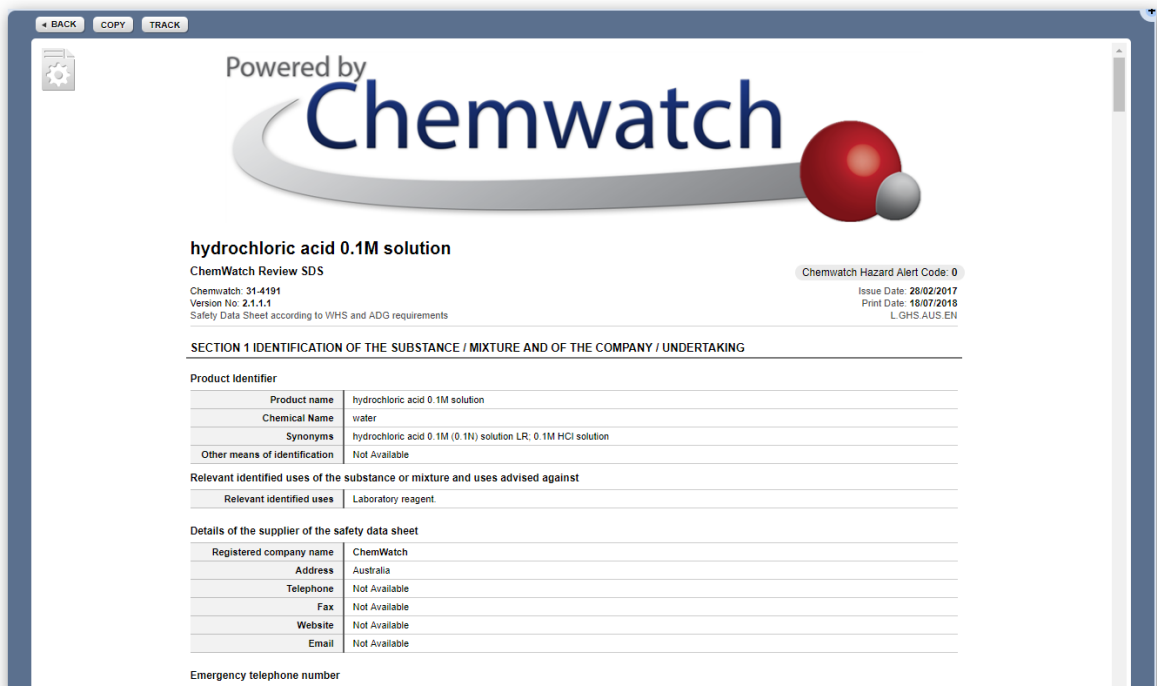
**1.1 Product identifiers**  
 Product name : Hydrochloric acid solution, 0.1 M  
 Product Number : 150677  
 Brand : Sigma


**1.2 Other means of identification**  
 No data available

**1.3 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses : Laboratory chemicals, Manufacture of substances

**1.4 Details of the supplier of the safety data sheet**  
 Company : Sigma-Aldrich Pty. Ltd.  
 12 Anella Avenue  
 CASTLE HILL NSW 2154  
 AUSTRALIA  
 Telephone : +61 2 9841 0555 (1800 800 097)  
 Fax : +61 2 9841 0500 (1800 800 096)

If a Gold SDS for the material’s molar concentration exists, select the Gold SDS button from the SDS and Labels panel to show the SDS.



Powered by 

**hydrochloric acid 0.1M solution**  
 ChemWatch Review SDS  
 Chemwatch: 34-4191  
 Version No: 2.1.1.1  
 Safety Data Sheet according to WHS and ADG requirements  
 Chemwatch Hazard Alert Code: 0  
 Issue Date: 28/02/2017  
 Print Date: 18/07/2018  
 L.GHS.AUS.EN

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifier**

Product name	hydrochloric acid 0.1M solution
Chemical Name	water
Synonyms	hydrochloric acid 0.1M (0.1N) solution LR: 0.1M HCl solution
Other means of identification	Not Available

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Laboratory reagent.
--------------------------	---------------------

**Details of the supplier of the safety data sheet**

Registered company name	ChemWatch
Address	Australia
Telephone	Not Available
Fax	Not Available
Website	Not Available
Email	Not Available


Emergency telephone number

## 2.2 Create a Manifest


In this topic, you will gain knowledge on the following aspects of the system:

- Defining a folder type and its properties
- Creating a storage folder
- Creating a Manifest folder structure
- Copying a folder
- Moving a folder
- Renaming a folder
- Removing a folder
- Printing folder tree
- Item history for a folder
- Editing folder properties



 **Manifest** means a summary of hazardous chemicals used, handled or stored at a workplace. It contains information about the location of the chemicals based on a site map. Chemwatch provides a cloud-based chemicals management system for the ease of managing chemical Manifests related to chemical data, SDS, hazard classification information, volume/weight using the system online for the intention of Manifest upkeep and reporting purposes. The basic flow of activities includes the creation of a folder structure, adding materials to those folders to create an inventory, generate Manifest related types of reports based on data points drawn from the system.

The system provides a **Report Generator tool** which enables users to utilise a Basic or Advanced mode to generate such data reports by using already designed spreadsheet templates that are available in basic mode or create user defined templates by the using the method builder tool to identify the respective datapoints to export the respective reports in various format styles.

-  The **principal purpose of the Manifest** is to provide emergency services authorities with information on the quantity, type and location of dangerous goods stored and handled on business premises to enable them to respond to an incident. Safework Australia provides a **Hazardous Chemical Register Template** that can be used for reporting hazardous chemicals as per the WHS requirements. Chemwatch recommends checking for the specific manifest reporting requirements in your jurisdiction. Report Generator functionality within the system helps to create your own templates to generate respective reports based on the chemical inventory from your own Manifest/Folders/Locations.

The Chemwatch implementation process for new and existing customers involves a number of project phases to have a Manifest created or updated in your system.

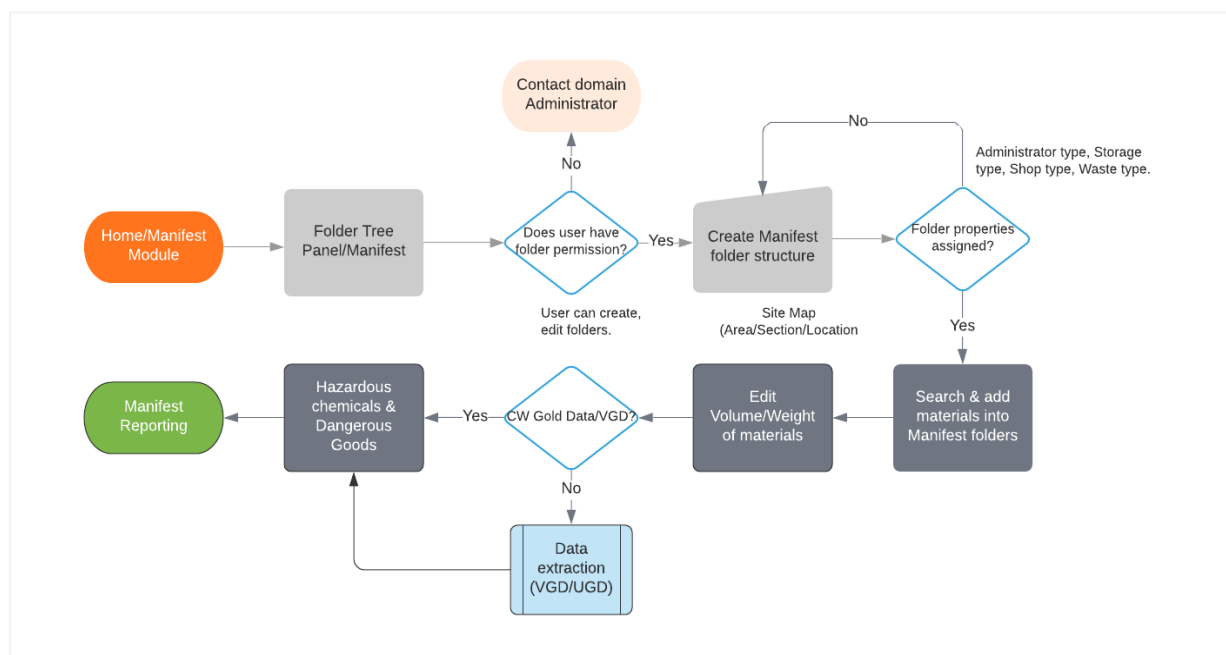


New customers that are coming on board to the Chemwatch family will follow the overall Chemwatch project phases in attaining the registration of all their products based on their requests and may include the creation of a manifest.

**i** All requests are designated as projects for Chemwatch processing as each phase of any project goes through a typical turnaround time for all **registration requests** received, **acquisition of vendor SDS**, **review of vendor SDS** and **revision** phases. The implementation process may include the creation of a chemical register that replicates your business workplace structure or site map. Moreover, users can create their own folders and add materials into those folders; edit volume/weight and also use data extraction (UGD) to classify materials that do not have Gold classification or Vendor Gold Data (VGD) extracted.

However, users can create their own manifest folder structure and add products into respective folders by using the features and functionalities available in the system, given the appropriate permissions and privileges.

### Creating a Manifest Flowchart



Manifest reporting on hazardous chemicals or dangerous goods depends on jurisdictional requirements. An extensive list of requirements can be found in the applicable national standards and code of practices.

The manifest grid provides users with two viewing modes; namely, cat name or material name, in which they can view the list of materials within a folder by

- Plain view of cat names and links to the specific Vendor SDS)
- Material names view and grouping of multiple vendors linking to Gold SDS

TRACK	HAZARD	PART NO.	MATERIAL NAME	VENDOR	RISK STATEMENT	VOL / WT	METRIC	DG	S1 S2	PKG
			<b>Cat Name</b>							
			Material Name							
			thane	Gold	Multiple		0.00 L			
		123	<a href="#">1,1-Dibromo-2,2,2-trifluoroethane</a> Issue Date: 15/05/2018; Extraction Date: None	Gold	Matrix Scientific		0.00 L			None
		123	<a href="#">1,2-Dibromoethane</a> Issue Date: 31/01/2017; Extraction Date: VGD Update in Progress	VGD Gold	Sigma-Aldrich (as MilliporeSigma, Merck)		0.00 kg			6.1
		123	<a href="#">290 Adhesive/Sealant</a> Issue Date: 27/02/2009; Extraction Date: 24/03/2018	VGD	Henkel		116.82 L			None

The system starts in plain (Catalogue Name) mode **CAT NAME** as the default view. This view lists the products for associated manufacturer SDS by Vendor, Country, Language, etc.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	RISK STATEMENT	VOL / WT	MET	DG	S1 S2	PKG	COUNTRY	LANGUAGE	REGULATORY BURDEN	
		123	<a href="#">1,1,1-Trichloroethane for synthesis</a> Issue Date: 01/05/2015; Extraction Date: None	Gold	Merck		0.00 L			6.1	III	Australia	English	
		123	<a href="#">4-Benzyloxyphenylacetyl chloride</a> Issue Date: 08/11/2012; Extraction Date: 31/10/2017	UGD	Fluorochem		80.00 L			8	III	United Kingdom	English	
		123	<a href="#">Acetylene</a> Issue Date: 27/03/2013; Extraction Date: 17/07/2018	VGD Gold	Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	0.00 kg			2.1	None	Australia	English	
		123	<a href="#">ACETYLENE (DISSOLVED)</a> Issue Date: 29/11/2018; Extraction Date: VGD Update in Progress	VGD Gold	Wesfarmers (Core gas)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	0.00 L			2.1	None	Australia	English	

The material name mode **MATERIAL NAME** is a grouping method to enable users to view the list by Chemwatch material name(s).

**i** If there is more than one vendor for the same product, the Chemwatch material name mode groups all vendors into a single record with a multiple button **Multiple** within the vendors' column for each respective row, where applicable.





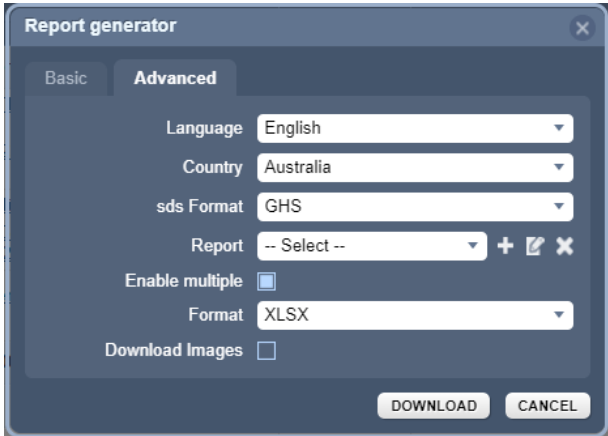
TRACK	HAZARD	PART NO.	MATERIAL NAME	VENDOR	RISK STATEMENT	VOL / WT	MET	DG	S1 S2	PKG	COUNTRY	LANGUAGE	REGULATORY BURDEN	
			1,1,1-trichloroethane	Gold	Multiple		0.00 L							
		123	<a href="#">4-Benzyloxyphenylacetyl chloride</a> Issue Date: 08/11/2012; Extraction Date: 31/10/2017	UGD	Fluorochem		80.00 L			8	III	United Kingdom	English	
			acetylene	VGD Gold	Multiple		0.00 kg							
			benzene	VGD UGD Gold	Multiple		300.00 L							
		123	<a href="#">Consolidated Alloys EBONOL C-50</a> Issue Date: 01/11/2019; Extraction Date: 01/11/2019	VGD Gold	CA Group		0.00 L			8	III	Australia	English	

Selecting the multiple button **Multiple**, will expand the row to display a list of vendors associated with the material in the current folder.

TRACK	HAZARD	PART NO.	MATERIAL NAME	VENDOR	RISK STATEMENT	VOL / WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE	REGULATOR BURDEN
			1,1,1-trichloroethane	Gold	Multiple	0.00 L							
	⚠	123	4-Benzoyloxyphenylacetyl chloride Issue Date: 08/11/2012, Extraction Date: 31/10/2017.	UGD Fluorochem	H314 (Cat 1)	80.00 L		8	III		United Kingdom	English	
			acetylene	VGD Gold	Multiple	0.00 kg							
	⚠	123	Acetylene Issue Date: 27/03/2013, Extraction Date: 17/07/2018.	VGD Gold Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	0.00 kg		2.1	None		Australia	English	
	⚠	123	ACETYLENE (DISSOLVED) Issue Date: 29/11/2018, Extraction Date: VGD Update in Progress	VGD Gold Wesfarmers (Coregas)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	0.00 L		2.1	None		Australia	English	

### A Closer Look at Manifest Features.


Manifest List	Material Name column has been enhanced through a grouping function to show Multiple button  which in turn enables materials to be grouped as per the Cat Names associated
Sort the manifest list by Volume/ Weight column	Manifest light enables users to sort  the column header to largest volume/weight to the lowest by ascending or descending order
Edit Volume/Weight at Cat Name and Material Name	Volume/Weight is editable  at the catalogue name (product) mode and the material name grouping mode (at product level). The grid view  only shows the total amount of volume/weight.
No Edit Volume/Weight at Material Name row where Multiple button is shown	It is NOT possible to edit  Volume/Weight for the material name where multiple button  is displayed due to grouping of multiple vendors. 
Adding Vendor/Supplier	The add vendor icon  has been incorporated in Catalogue Name view mode on the grid  within the Vendor column record. 
Country and Language columns	The Country  and Language  information is now available as newly added columns on the grid .

Component	Manifest Component
	
Report Generator (Basic and Advanced)  	<p>Report generator mode provides basic and advanced features to use for exporting data or creating new templates . The Report Generator exports  itemized data from the currently opened folder/stores. There are no new rows for each data set (VGD, UGD and Gold), each item record will generate only one row for the different sets of data. There are no more multiple lines of records of the same product in Report Generator for different data sets (Chemwatch or vendor).</p> 

The next topic discusses the folder types, folder properties and general folder management.

### 2.2.1 Folder Types and Properties

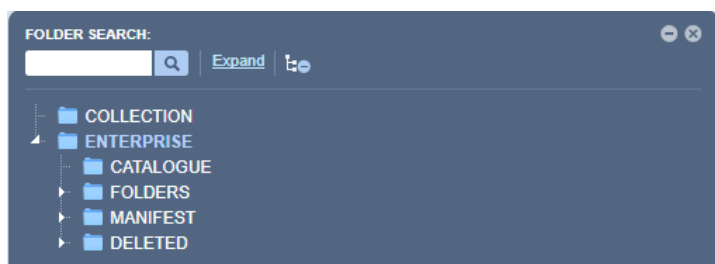
Folder management in GoldFFX will focus on the Manifest Directory, which is a system's parent directory that allows users with edit rights to create or edit folders based on a site map. A site map in this context of the Manifest is simply a hierarchy of a folder structure that represents an organisation's building locations and storage facilities where chemicals are stored on site.

 **Manifest Directory** (system folder) cannot be removed or edited but users with read-write permission can create subfolders or sites, areas, building and storage folders to this directory.










Before creating a Manifest folder hierarchy, let's go over the **folder management** background information about the default systems directories, folder types and folder permissions.

## Systems Directories

There are six systems folders available in the folder tree panel, namely; Collection, Enterprise, Catalogue, Folders, Unfiled Folder, Manifest and Deleted.












The default directories in the **Folder Tree Panel** are described in the table below.

Directory	Description	Use
COLLECTION 	Entire collection of the custom inventory	Materials register of your company's own inventory records since inception that is registered with Chemwatch.
ENTERPRISE 	Parent system' directory to sub-directories; folders, manifest, deleted	Inventory record of materials including archived and current register of materials in folders, manifest and deleted directories.
CATALOGUE 	Collection of own Catalogue (shopping basket) for containers 	 The catalogue collection is applicable to the Sisot module
FOLDERS 	System's directory for materials in unfiled folder and other users' folders	Contains current register of materials in folders. Commonly used for managing a list of materials for vendor SDS for various purposes.
UNFILED 	System's directory for materials that are archive as newly added	Materials requested to be added into the database from a company will be registered into the unfiled folder in order to be filed later into a specific folder or location.
Manifest 	System's directory that can represent a site map for a company by using folder structure	Manifest tree can be used to create areas, sections, locations by using a folder structure based on manifest site map to keep records/register of materials kept on sites/locations including Sisot related folders.
Deleted 	System's directory that stores all deleted folders and materials	Recycle bin for all removed folders and its contents or materials deleted in the system. Not all users may have access to this folder due to permission rights to edit or not to edit this folder or other folders.




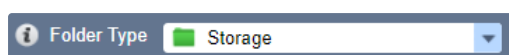
## Folder User Permissions


There are four main types of folder user  permission attributes that can be assigned by the administrator of the program to end users of the system. The table below provides a summary description for these permissions with respect to the type of access users may have to be able to view and or edit materials in folders.

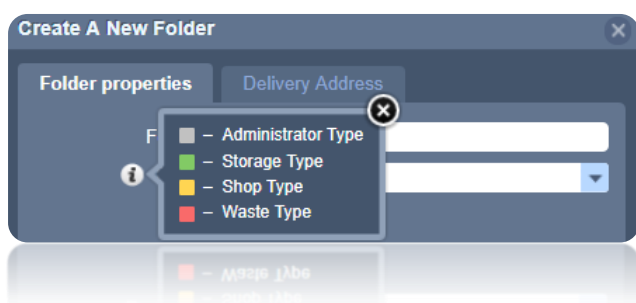
Permission	Description	User Interface Attribute	Folder View
Deny 	Directories/folder content cannot be accessed by users	A message displays “to contact the administrator”	 Access denied
Not Defined 	Directories/folder will not be visible to user	Folder assigned this type of permission will be hidden from user	 Hidden
Read 	Directories/folder content can be accessed by user but cannot add or copy or move or remove (delete) folders or materials	User can view folder content (register of materials) but cannot edit content	 View
Read-write 	User can be copy, move, remove (delete) folders, materials and edit material quantities	User can view folder content (register of materials) and edit content (folders, materials and quantities)	 View and Edit


## Folder Types

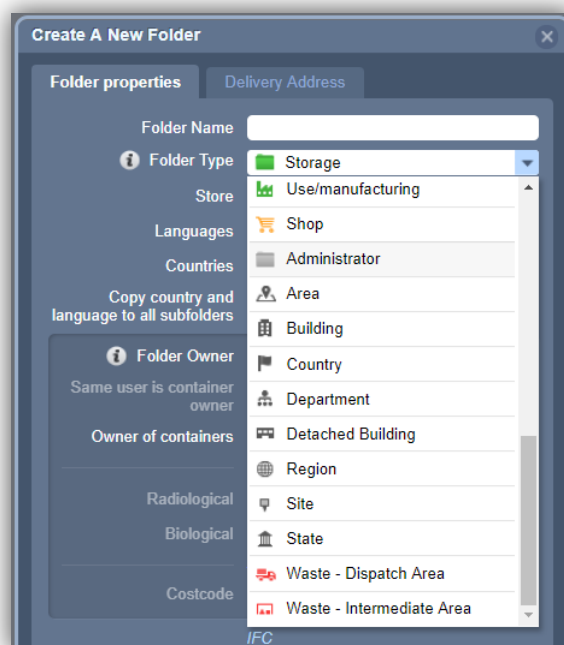
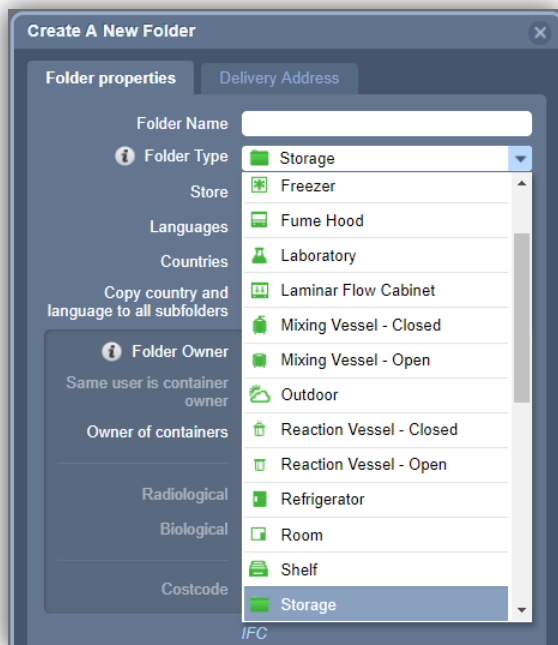
Primarily, there are 5 types of folders  that can be created under the manifest system directory, which have specific conditional properties. The folder type drop-down menus (i.e., the folder type and respective folder icons) are integrated into to show the folder name and icon for each option. This folder type drop-down menu defaults to the “Storage folder”.














Hovering the mouse pointer over the reference information icon  for the “Folder Type” shows the main folder types.











Clicking  on the folder type drop down icon displays the menu of the different types of folders to designate the respective type of folder location when creating or editing folder properties. The folder icons area mapped with the applicable folder type names for ease of identification of the type of folder.





### Folder Types and their Conditions


Folder Type	Conditions	Attribute
<p>System</p> 	System folder directories are NOT editable by default.	 No edit
<p>Administrator</p> 	Materials ALLOWED to be stored in this type of folder, users with edit rights will be able to store materials in this folder and when this occurs, it will turn into a green folder.	 Edit property
<p>Storage</p> 	Materials ALLOWED to be stored in this type of folder, users with edit rights will be able to store materials in this folder.	 Edit property
<p>Shop</p> 	Folder type AVAILABLE to all users (Sisot and none-Sisot users), users with access and edit rights to this folder will be able to manage materials in this folder.	 Edit property
<p>Waste</p> 	<p> <b>Waste - Dispatch Area</b></p> <p>“Waste – Intermediate Area” and “Waste – Dispatch Area” AVAILABLE to all users (Sisot and none-Sisot users).</p>	 Edit property

Folder Type	Conditions	Attribute
(Waste is designated to 2 categories)	 <b>Waste - Intermediate Area</b> “Waste contractors to collect wastes from this site” because it is only applicable for “Waste –Dispatch Area” folders	 Edit property
Notes	“Waste – Intermediate Area” will NOT have the tick box. “Waste folders” will work as a “Storage”  folder for non-Sisot users.	 Edit property
	An empty folder will be color coded grey, regardless of the location on the tree.	
	Removal of all materials from a folder will make the folder grey, depicting it as an empty folder.	








## 2.2.2 Create a Single Storage Folder

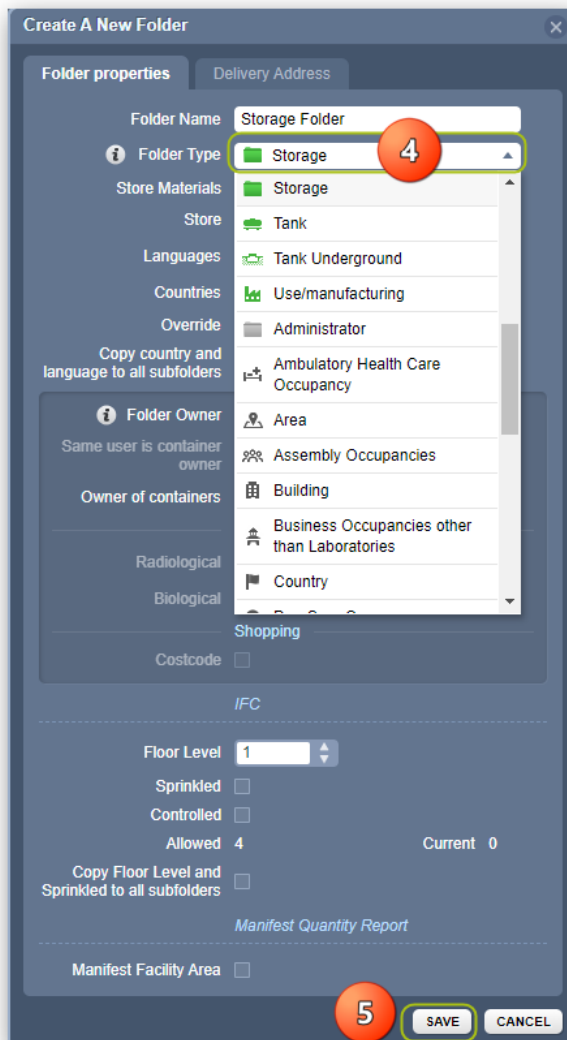
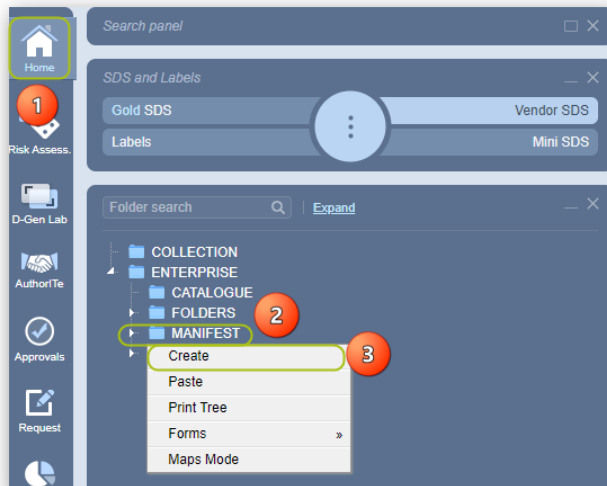
Folder Edit	Task Attribute	Folder Node Action
<b>Create</b> 	User can create (add) a folder on any node. All newly created folders will default to empty folders	 Add folder


The following steps illustrate **how to create a single folder for storage** under the Manifest system directory folder node.

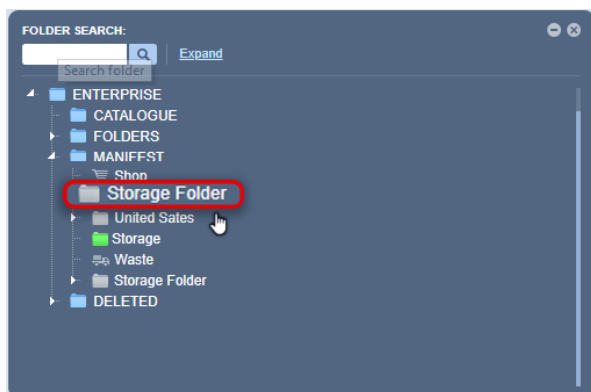
 If a user does not have the edit rights permission to create folders, consult with the administrator of the Chemwatch application within your business or organisation to grant the respective folder permission, read-write to the Manifest Directory or to the specific folder location.

### Steps

1. Go to the **Home** module  (if it's not already the default module).
2. **Right click**  on the manifest system tree directory folder node .
3. Select  the **Create** from the drop-down task menu.
4. Click  the folder name **text field**  and type the name of the folder, e.g., Storage Folder and maintain the default folder type as 'storage' (green folder).
5. Click  the **Save** button.







6. The newly created **storage folder** defaults to a grey folder since it is an **empty folder** .




### 2.2.3 Create a Manifest Folder Tree





The following steps illustrate **how to create an Area, Section and Location** folders under the manifest system directory node.



User folder permission is required to create and edit folders.

Permission	Folder Type	Attribute	Folder Tree Node (s)
Read-write 	 	User can create folder nodes within the tree if granted edit rights to manage folders.	 View and Edit


 If a user does not have the edit rights/permission to create/edit folders, consult with the administrator of the Chemwatch application within the business or organisation to grant the user with the respective folder permissions, read-write to the Manifest directory or to the specific site/folder location. Note that some users may NOT be granted permission to create parent sites or areas/section folders but may be allowed to add subsidiary folder nodes (child folders) dependent on a business case.

Consider the following folder category nodes and descriptions before creating a Manifest folder tree based on a site map.




Designated icon	Folder Type	Attribute	Folder Tree Node (s)
	Area	The <b>area</b> node can be set as a parent folder under the manifest directory.	 Level 1
	Section	The section node can be set as a subsidiary (child) folder under the area node. This node can be designated as a <b>building</b> .	 Level 2

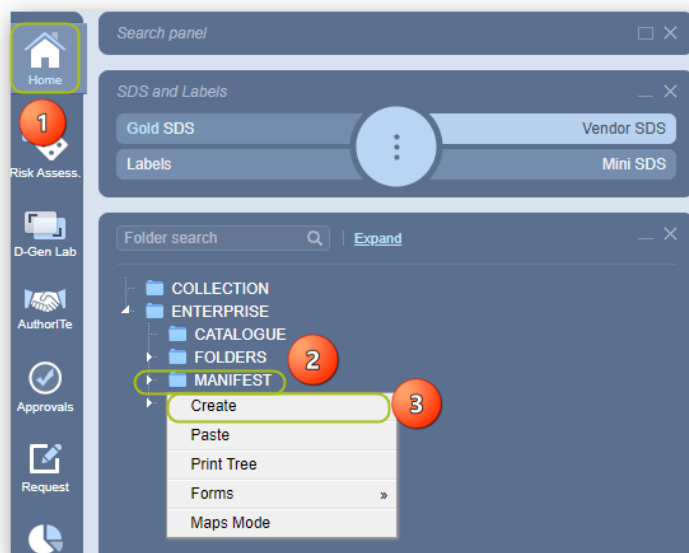
	<p>Location</p>	<p>The location node can be set as a storage folder (child) under the section (building) node. This node can be designated as <b>storage</b>.</p>	
---	-----------------	---	---









### 2.2.3.1 Create a Manifest Folder for an Area

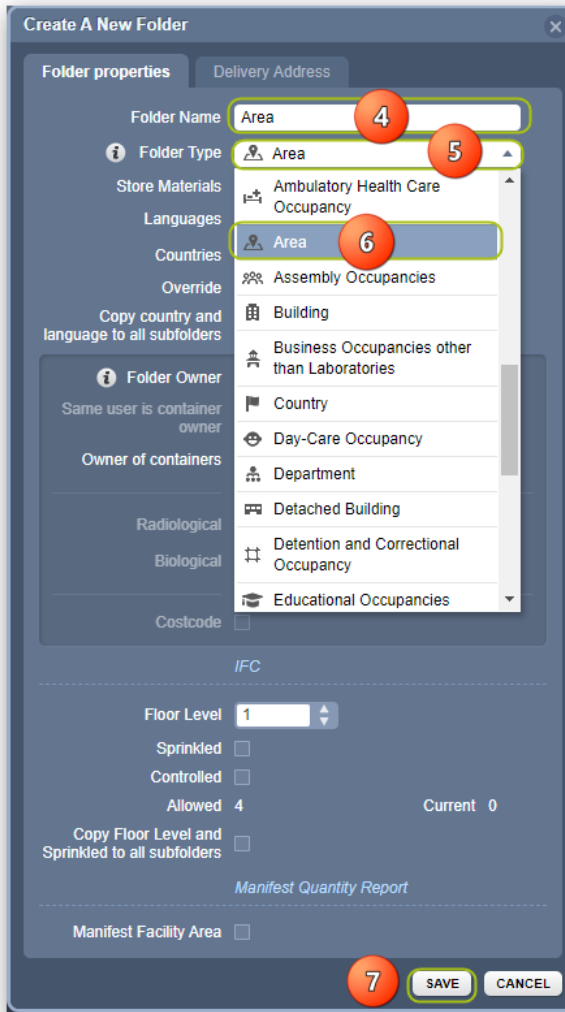
The following steps illustrate **how to create an Area** folder under the Manifest Directory folder node as level 1 .


#### Steps

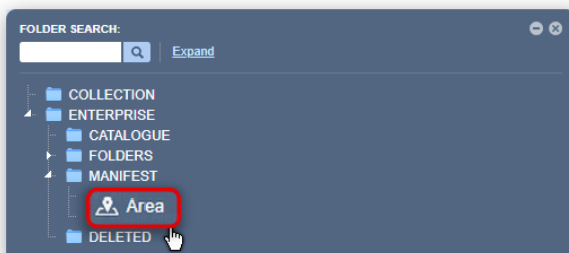
1. Go to **Home** module  (if it's not already the default module).
2. **Right click**  on the Manifest Directory folder node **MANIFEST**.
3. Select  the **Create** from the drop-down task menu.




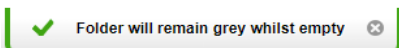
4. Click  the folder name **text field**  and type the name of the folder, e.g., Area.
5. Click  the folder type drop-down arrow  to list the types of folders.
6. Scroll down  the list and select  the **Area** folder type.
7. Click  the **Save** button to add folder .




8. The **Area** folder is created .







 A message confirms completion of the task from the top middle area of the user interface.

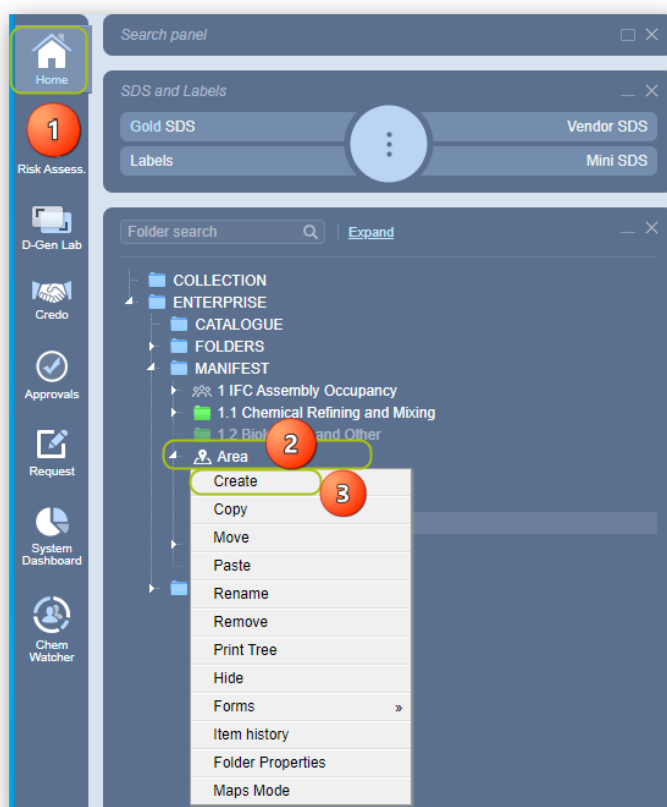










## 2.2.3.2 Create a Manifest Folder for a Building

The following steps demonstrate **how to create a Section folder** under the 'Area' folder node designated as a Building, level 2 node .

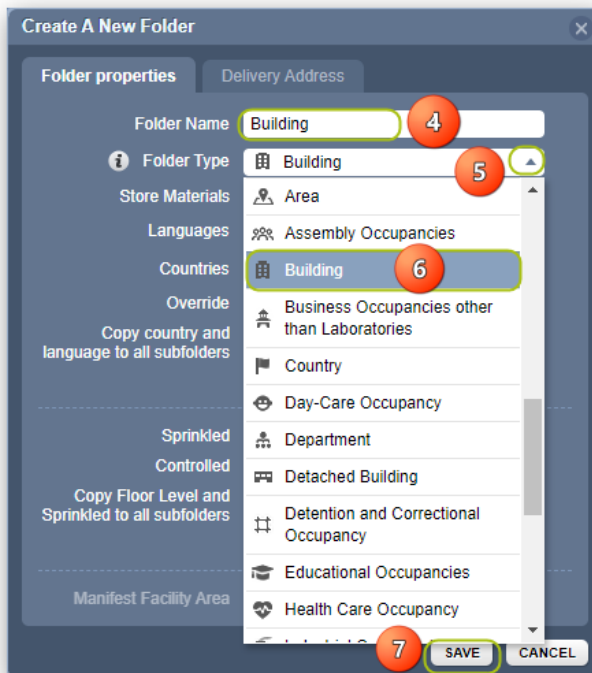
### Steps


1. Go to the **Home** module  (if it's not already the default module).
2. **Right click**  on the **Area folder node** position at level 1 node .
3. Select  the **Create** option from the drop-down task menu.

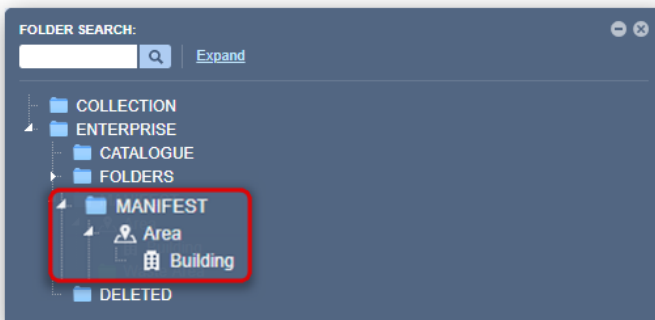



4. Click  the folder name **text field**  and type the name of the folder, e.g., Building.
5. Click  the **folder type drop-down arrow**  to list the types of folders.
6. Scroll down  the list and select  the **Building** folder type.
7. Click  the **Save** button to add folder .

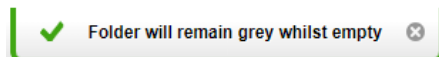





8. The newly created **building folder** defaults to a grey folder since it is an **empty folder** .



 A message confirms completion of the task from the top middle area of the user interface.






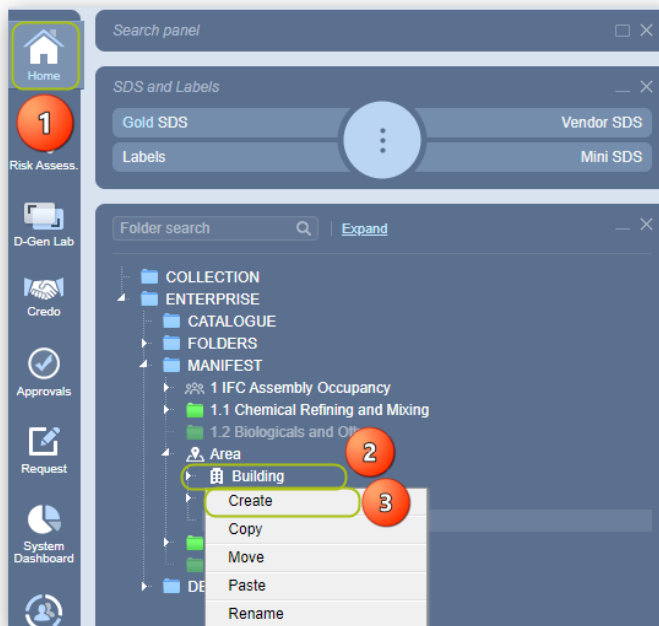
### 2.2.3.3 Create a Manifest Folder for a Location (Storage)









The steps below demonstrate **how to create a Location (Storage) folder** under the building folder node as level 3 .

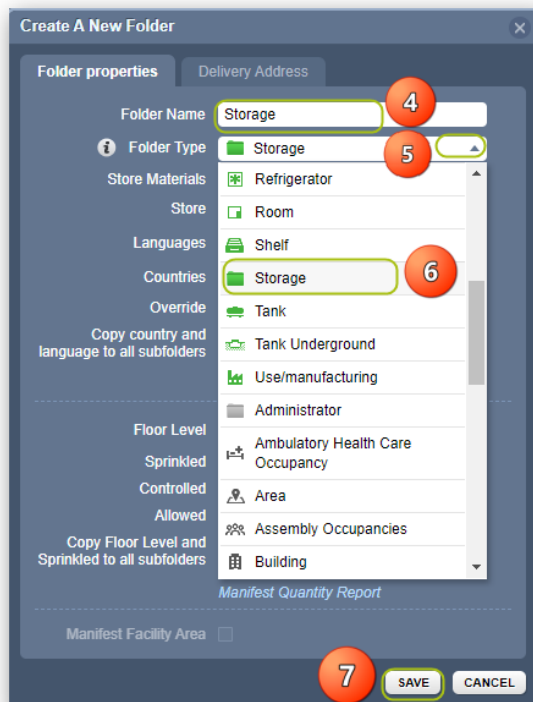
#### Steps


1. Go to the **Home** module  (if it's not already the default module).

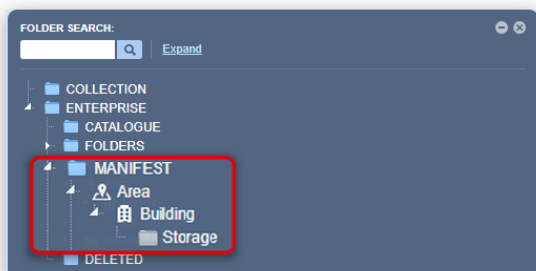
2. Right click  on the **Building folder node** position at level 2 .
3. Select  the **Create** option from the drop-down task menu.




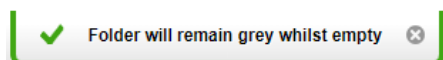
4. Click  the folder name **text field**  and type the name of the folder, e.g., Storage.
5. Click  the folder type **drop-down arrow**  to list the types of folders.
6. Scroll down  the list and select  the **'Storage'** folder type.
7. Click  the **Save** button to add folder .




8. The newly created **storage folder** defaults to a grey folder since it is an **empty folder** .





 A message confirms completion of the task from the top middle area of the user interface.



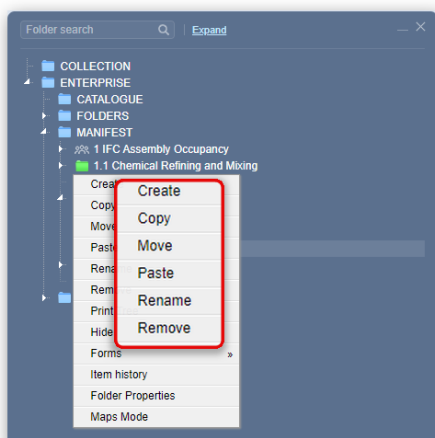
## 2.2.4 Folder Menu and Edit Properties

Editing folders  is part of folder management. Users who have been granted read-write folder permission will be able to edit folders.






















Permission	User Interface Attribute	Folder Node Edit
 Read-write	User can view folder content (register of materials) and edit content (folders, materials and quantities) if granted the appropriate edit rights	 View and Edit



### The Folder Edit and Properties Menu

The folder edit menu contains specific task options that enables users to create, copy, move, paste, rename, remove and edit folder properties.



These edit options provide the ability to edit any folders where permissions have been granted. The other folder menu options; print tree, hide, forms, item history, folder properties and maps mode will be discussed in subsequent topics.

Folder Menu Options	Task Attribute	Folder Node Action
Create 	User can create (add) a folder on any node. All newly created folders will default to empty folders.	 Add folder
Copy 	User can copy a folder from any node and paste it into another folder.	 Duplicate folder
Move 	User can move a folder from any node and paste it into another folder. Another way of moving a folder is through the drag and drop  function.	 Move folder
Rename 	User can rename a folder by typing a new name at any node.	 Type a new folder name
Remove 	User can remove (delete) a folder from any node. If a folder is deleted, it is automatically move from its current location node into the systems Deleted directory folder.	 Delete folder (recycle bin)
Print Tree 	User can print the tree structure from the selected tree node. Note that the print tree will display those folders that are visible to the user.	Right click on a folder tree node 
Hide 	This feature enables those users permitted to hide specific folders from view from other users. Note that this feature can be granted the respective privilege by the ADM.	Right click on a folder tree node 
Forms 	This feature enables users to fill in a form(s) assigned to the tree structure folder property by an administrator. Forms are created through the Form Builder module.	Right click on a folder tree node 
Item History 	This feature enables users to generate the folder activity history.	Right click on a folder tree node 
Folder Properties 	Folder properties provide users with the ability to edit the folder properties.	Right click on a folder tree node 



Folder Menu Options	Task Attribute	Folder Node Action
Maps Mode 	Enables users to draw a series of polygons to represent a floor plan of a building and link physical drawings of a site with its manifest location (folder) to allow the interaction for many other useful features such as heat map or create 3D models of rooms based on polygons.	Right click on a folder tree node 

The following sections show **how to copy, move, rename and remove** a single folder from a folder node, i.e.:

- Copying a folder into another folder
- Moving a folder into another folder
- Renaming a folder
- Removing (deleting) a folder and its contents


#### 2.2.4.1 Copy a Folder into Another





Recap

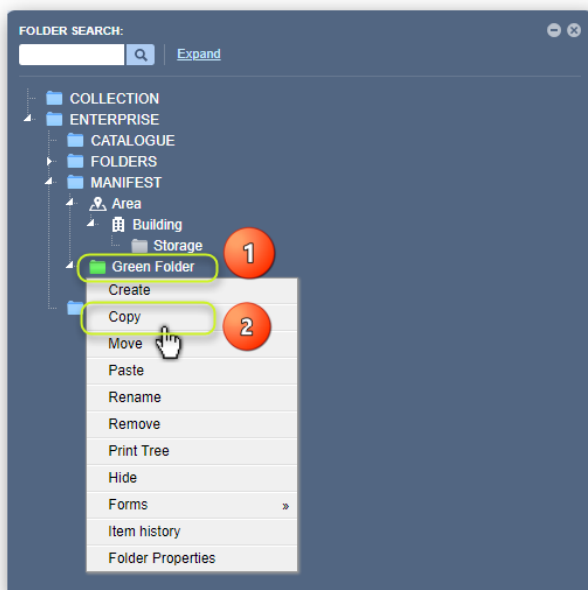
Folder Edit	Task Attribute	Folder Node Action
Copy 	User can copy a folder from any node and paste it into another folder if user has the appropriate folder permissions	 Duplicate folder




The following steps demonstrate **how to copy** a single folder from a folder node and paste it into another folder location.

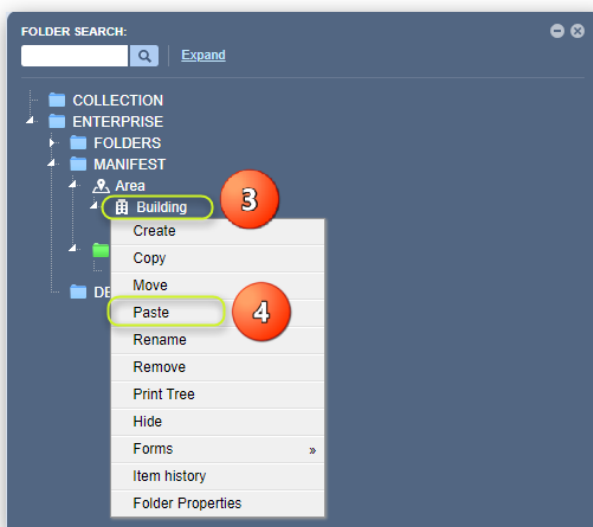
#### Steps

Go to the **Home** module  (if it's not already the default module).

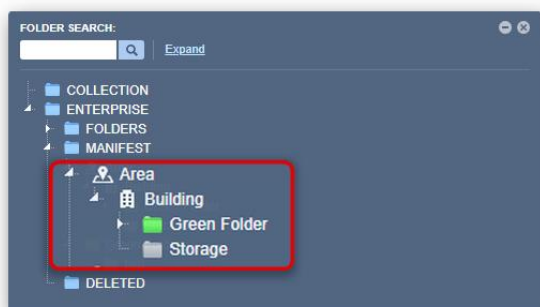
1. Expand tree node  and press the mouse **right click**  on the **Storage green folder** node.
2. Select  the **Copy** option from the drop-down task menu to a clipboard .




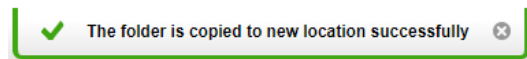
3. Right click  on the **destination green folder** node.
4. Click  the **Paste** option from **drop-down arrow**  menu.



5. The copied **storage folder** is added into the new folder location, e.g., under Building node.






 A message confirms completion of the task from the top middle area of the user interface.



## 2.2.4.2 Move a Folder into Another

### Recap

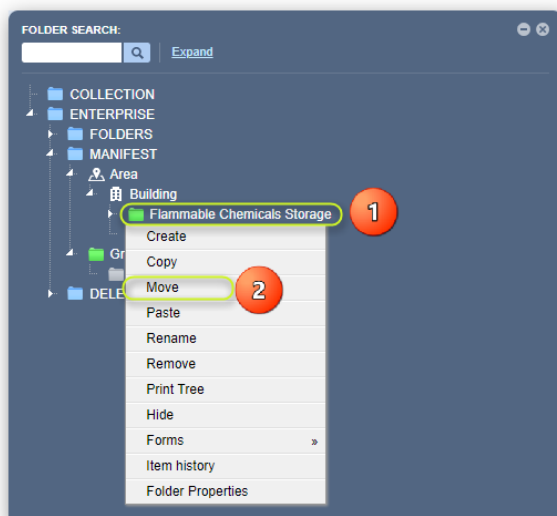
Folder Edit	Task Attribute	Folder Node Action
Move 	User can move a folder from any node and paste it into another folder. Another way of moving a folder is through the drag and drop  function if user has the appropriate permissions.	 Move folder




The following steps show **how to move** a single folder from a folder node and paste it into another folder location.

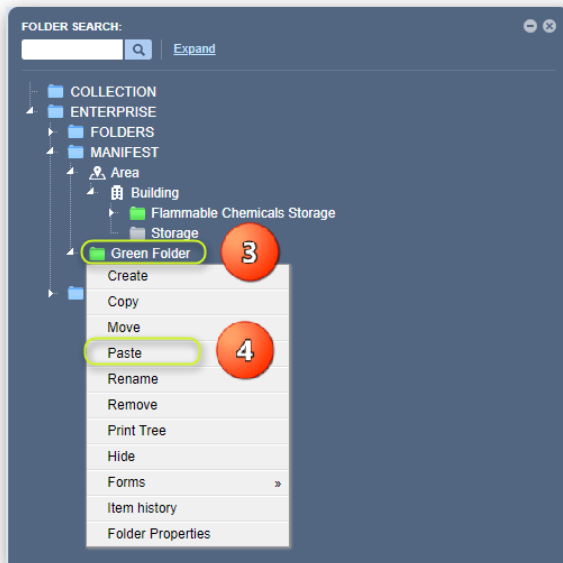
### Steps

Go to the **Home** module  (if it's not already the default module).

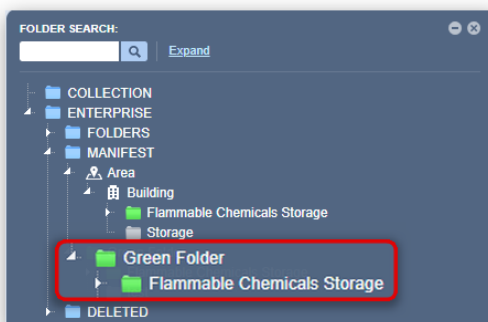
1. Right click  on the **Storage green folder** node.
2. Select  the **Move** option from the drop-down task menu.



3. Right click  on the **destination green folder** node.
4. Click  the **Paste** option from **drop-down arrow**  menu.



- The moved **storage folder** is added into the new folder location, e.g., under Green folder node.





**i** A message confirms completion of the task from the top middle area of the user interface.



### 2.2.4.3 Rename a Folder


Recap








Folder Edit	Task Attribute	Folder Node Action
Rename 	User can rename a folder by typing a new name at any node if the appropriate permission is granted by the administrator.	 Type a new folder name

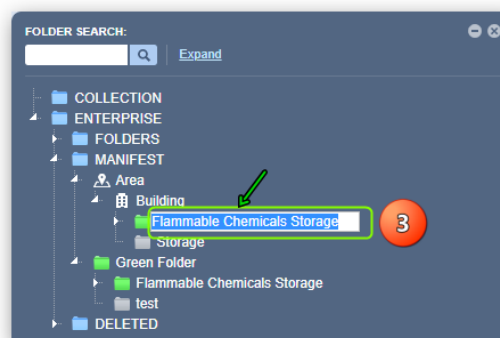
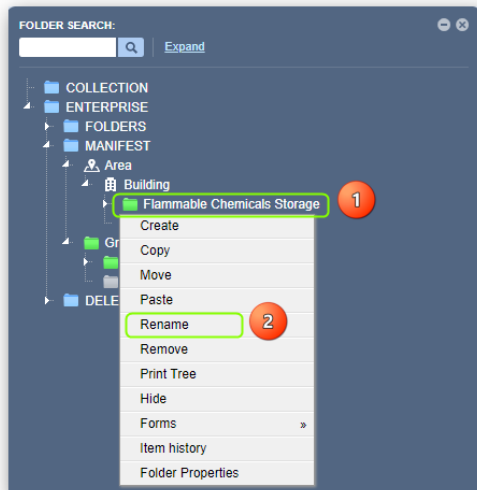
The following steps demonstrate **how to rename** a single folder to a new name.







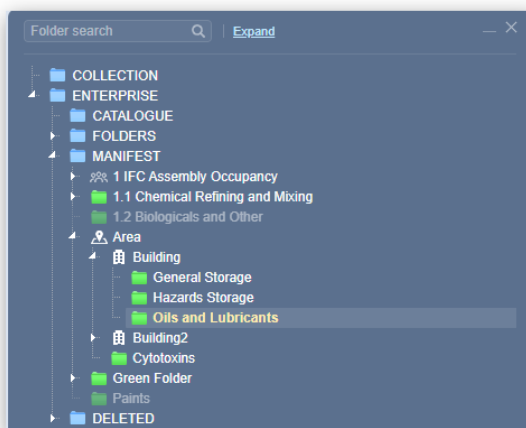
## Steps


Go to the **Home** module  (if it's not already the default module).

1. Right click  on the **Storage green folder** node.
2. Select  the **Rename** option from the drop-down task menu.
3. Click  on the folder editable  text field  and **delete the folder name** by pressing the keyboard delete button or simply, place the cursor at the end of the folder name and hit backspace on the keyboard  until the text field  is empty.





4. Type  the **new folder name** in the empty text field , e.g., Oils and Lubricants, and press the enter key on the keyboard  or simply, click  on an empty area of the user interface to save record entry.



 The new folder name is displayed on the folder node.

## 2.2.4.4 Remove a Folder



Recap

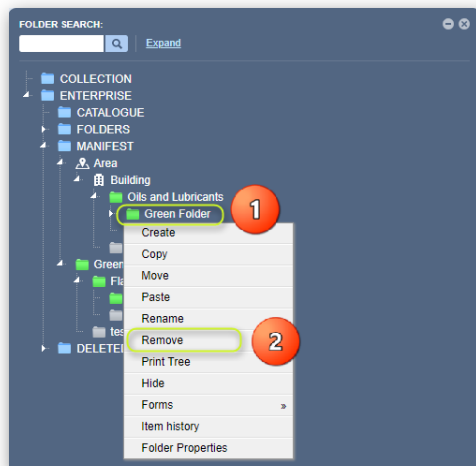
Folder Edit	Task Attribute	Folder Node Action
<p>Remove</p> 	<p>User can remove (delete) a folder from any node. If a folder is deleted, it is automatically move from its current location node into the systems <b>Deleted Directory</b> folder given that the user has the right permission.</p>	 Delete folder (recycle bin)


The following steps show **how to remove** (delete) a single folder.

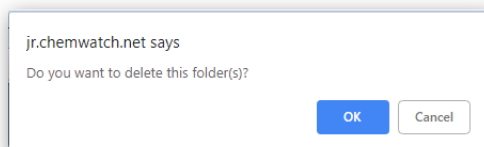
### Steps






Go to the **Home** module  (if it's not already the default module).

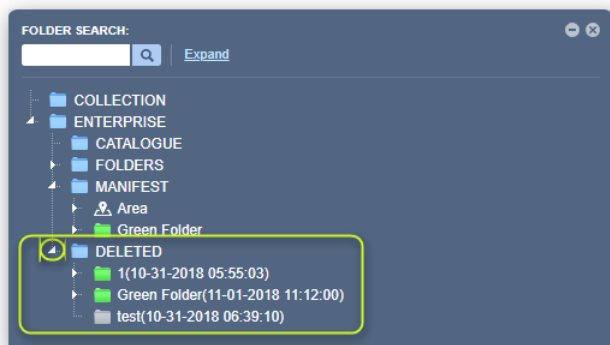
1. **Right click**  on the **Storage green folder** node.
2. Select  the **Remove** option from the drop-down task menu.



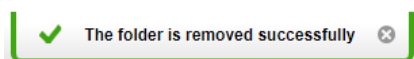
3. Click  on the **OK** button on the resulting message that appears in the middle top area of the user interface in order to confirm deletion of the selected folder.





4. The folder has been deleted and the record is archived in the systems **DELETED** directory , which also keeps the date  and time stamp  when any folder was deleted. Click  the expand arrow  on the **Deleted Directory** to list the deleted items.



**i** A confirmation message is displayed in the top middle area of the user interface. Once the folder has been removed from its initial folder node, it will be placed in the system's DELETED directory within the tree structure.





### 2.2.4.5 Print Tree

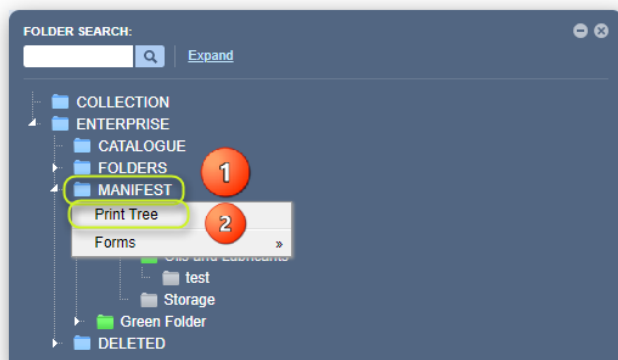
The folder right click context menu contains a Print Tree option that allows users to generate a print  format of the tree structure . The steps below illustrate “**how to print a folder structure**”.




**i** Print tree can be done from any folder node depending on the level of access to visible folder nodes within the entire tree structure. Mouse right clicking any folder level will print the respective visible folders from that select level including all subsidiary (child) folders.

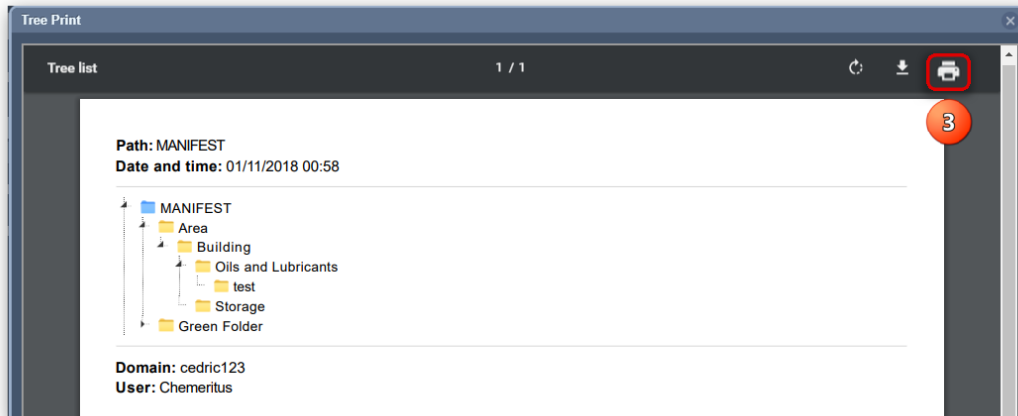
#### Steps




Go to the **Home** module  (if it's not already the default module).









1. Right click  on the **Manifest Directory** folder node.
2. Select  the **Print Tree** option from the drop-down task menu.



- Click  on the acrobat  button on the top right corner of the acrobat reader  window.




- The Print  Tree  generated system report  document contains the following information:

Print Tree Data Point	Attribute	Folder Node
 <b>Path</b>	This is the selected folder location trail (track) from the tree structure.	 Text
 <b>Date and time</b>	This is the generated date and time when the selected folder node was printed.	 Text
 <b>Domain</b>	This is the verified account name for the Chemwatch package subscription.	 Text
 <b>User</b>	This is the current user who generated the print tree report.	 Text



### 2.2.4.6 Hide Folder

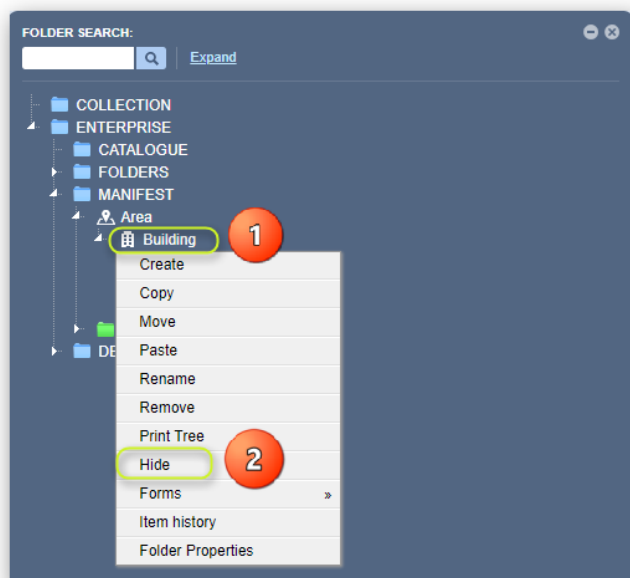
Hiding a folder will trigger the disappearance of that folder from other users view. The steps below illustrate **how to hide a folder**.

 Hidden folders are temporarily removed from other users view but retained for the user who has hidden the folders. Users that are privileged to hide folders from view will have access to this function. If unsure, contact your administrator of the GoldFFX system within your business or organisation for more details.

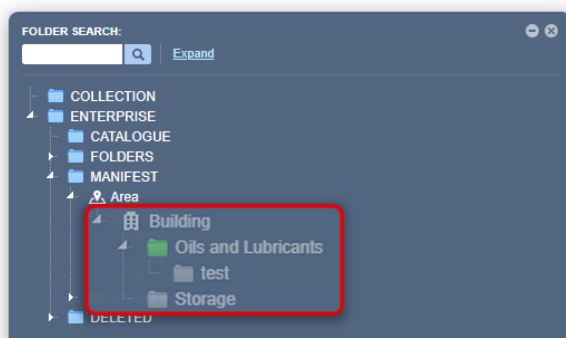
## Steps


Go to the **Home** module  (if it's not already the default module).

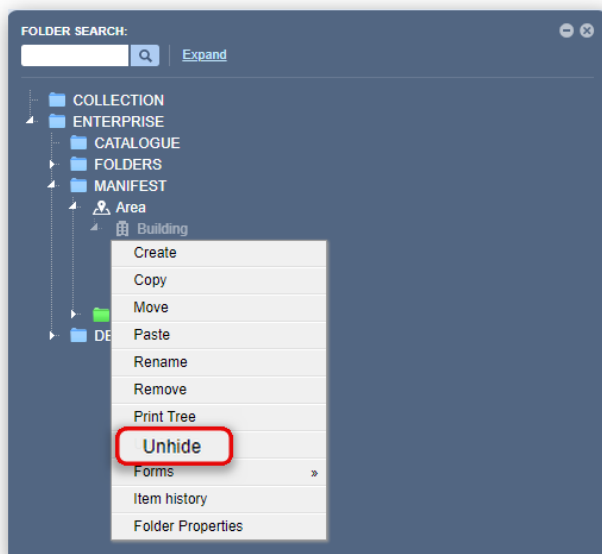
1. Right click  on a **folder** node.
2. Select  the **Hide** option from the drop-down task menu.







3. The **hidden folder(s)** and subsequent subsidiary (child) nodes will also be hidden from view. Those hidden folders will automatically be display as greyed out.





 The greyed out hidden folders will still be accessible to the user who has hidden them even though they are displayed in grey. Any materials or products inventory kept in those hidden folders will also be visible to this user. To unhide those hidden folders, simply follow the same steps and choose the option “**Unhide**”.



#### 2.2.4.7 Forms

Forms  can only be used in Folder Tree  if a form has been created  and assigned against Folders in the Form Builder  Settings module. The steps below provide information on “how to open and fill up a form for a selected folder”.




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 Forms can be created by the administrator or users who have been granted permission to access Form Builder Settings  module.


---

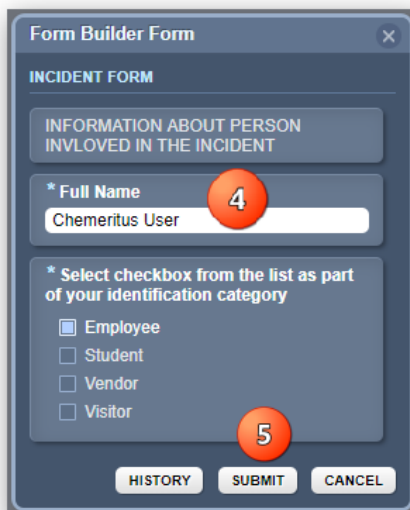
#### Steps


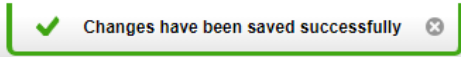
Go to the **Home** module  (if it's not already the default module)

1. Mouse **right click**  on a **folder**
2. Select  the **Forms** option from the drop-down task menu
3. Press  the **Form name** to load the form. In this exercise, an incident form was assigned against folders.








4. The **Form Builder Form** displays the specific form required to be filled. Fill up the form fields.
5. Click  the **Submit** button once the form has been filled




 A confirmation message is shown at the top middle area of the user interface about the changes made, . Any form data submitted to the system can be exported into a spreadsheet by using the Report Generator Method Builder feature.

#### 2.2.4.8 Item History


Item history  in Folder Tree  provides a history log of the folder. The data generated in the log is based on users' activity in that selected folder.



Folder History	Task Attribute	Folder Node Action
<b>Item History</b> 	User can generate history log based on folder activity. The data points in the log are: date  , user, action material, vendor and folder.	 Activity History Log

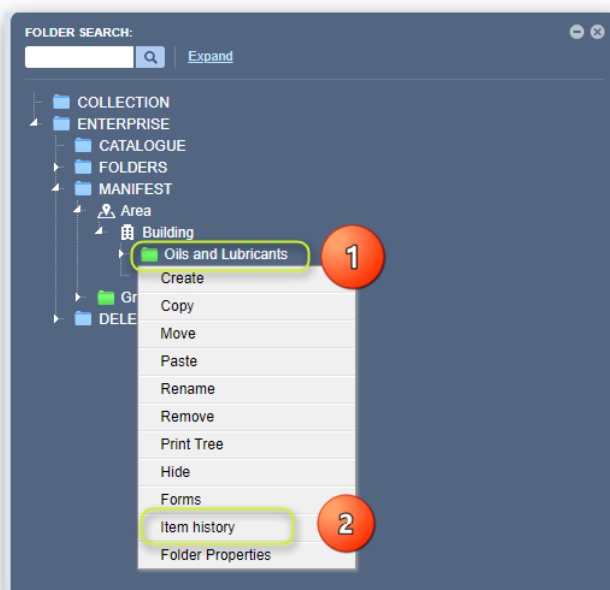
The steps below illustrate “**how to generate the history log for a selected folder**”.


 **Item history** for a folder may not be available to all users as this functionality is a privilege that can be granted by the administrator of the Chemwatch system within your business or organisation.

### Steps

Go to the **Home** module  (if it's not already the default module).

1. **Right click**  on a **folder**.
2. Select  the **Item History** option from the drop-down task menu.









3. **Folder history logs** display records based on folder activity.
4. Press  the "Excel" button to export and download folder history data.

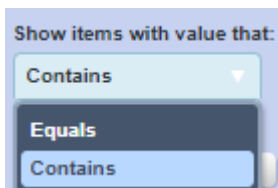



DATE	USER	ACTION	CW	MATERIAL	VENDOR	ISSUE DATE	FOLDER
31/10/2018 22:12	Chemeritus	Folder renamed					to Oils and Lubricants
31/10/2018 22:10	Chemeritus	Folder renamed					to Oils and Lubricants
31/10/2018 21:54	Chemeritus	Folder renamed					to Flammable Chemicals Storage
31/10/2018 21:48	Chemeritus	Folder renamed					to Flammable Chemicals Storage
31/10/2018 18:38	Administrator	Materials copied	1090	Acetone	Chem-Supply	22/12/2017,22/1...	to /ENTERPRISE/... Folder/Flammable Chemicals Storage
31/10/2018 18:38	Administrator	Materials copied	1090	acetone	BDH		to /ENTERPRISE/... Folder/Flammable Chemicals Storage

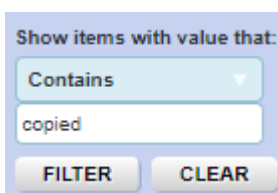
Excel report example for the exported data on folder item history logs


Date	User	Action	CwN	Material	Vendor	IssueDate	Folder
31/10/2018 11:12:10	Chemeritus	Folder renamed					to Oils and Lubricants
31/10/2018 11:10:56	Chemeritus	Folder renamed					to Oils and Lubricants
31/10/2018 10:54:23	Chemeritus	Folder renamed					to Flammable Chemicals Storage
31/10/2018 10:48:21	Chemeritus	Folder renamed					to Flammable Chemicals Storage
31/10/2018 07:38:45	Administrator	Materials copied	1090	Acetone	Chem-Supply	22.12.2017 22.12.2017	to /ENTERPRISE/MANIFEST/Green Folder/Flammable Chemicals Storage
31/10/2018 07:38:45	Administrator	Materials copied	1090	acetone	BDH		to /ENTERPRISE/MANIFEST/Green Folder/Flammable Chemicals Storage
31/10/2018 07:38:45	Administrator	Materials copied	1090	acetone	Burdick & Jackson (a brand of Honeywell)		to /ENTERPRISE/MANIFEST/Green Folder/Flammable Chemicals Storage
31/10/2018 07:38:45	Administrator	Materials copied	1090	acetone	Scharlab- (Chem-supply-Regional Representative)		to /ENTERPRISE/MANIFEST/Green Folder/Flammable Chemicals Storage
31/10/2018 07:38:45	Administrator	Materials copied	1090	Acetone, 99,8%, anhydrous	Scharlab	12.07.2013	from /ENTERPRISE/MANIFEST/Area/Building/Flammable Chemicals Storage
31/10/2018 07:38:45	Chemeritus	Folder copied					to Copied Green Folder
31/10/2018 07:31:55	Chemeritus	Folder renamed					to Flammable Chemicals Storage
31/10/2018 06:54:18	Chemeritus	Folder renamed					to Copied Green Folder
31/10/2018 06:50:10	Administrator	Materials copied	1090	Acetone	Chem-Supply	22.12.2017 22.12.2017	from /ENTERPRISE/MANIFEST/Green Folder
31/10/2018 06:50:10	Administrator	Materials copied	1090	acetone	BDH		from /ENTERPRISE/MANIFEST/Green Folder
31/10/2018 06:50:10	Administrator	Materials copied	1090	acetone	Burdick & Jackson (a brand of Honeywell)		from /ENTERPRISE/MANIFEST/Green Folder
31/10/2018 06:50:10	Administrator	Materials copied	1090	acetone	Scharlab- (Chem-supply-Regional Representative)		from /ENTERPRISE/MANIFEST/Green Folder
31/10/2018 06:50:10	Administrator	Materials copied	1090	Acetone, 99,8%, anhydrous	Scharlab	12.07.2013	from /ENTERPRISE/MANIFEST/Green Folder

- Use the filter icons within the columns  to filter the data logs for a specific item history record. For example, click  the “Action column” filter  icon.
- Click  the “drop-down”  arrow within the quick look up  panel to apply a search operand



- Set the operand “Contains” or “Equals” to filter any record that contains the action, e.g., copied
- Type the filter word(s) in the text field 



- Press  the "Filter" button. If any record matching the term is found, the table will list all respective history logs.

DATE	USER	ACTION	CW	MATERIAL	VENDOR	ISSUE DATE	FOLDER
31/10/2018 18:38	Administrator	Materials copied	1090	Acetone	Chem-Supply	22/12/2017,22/1...	to /ENTERPRISE/... Folder/Flammable Chemicals Storage

### 2.2.4.9 Edit Folder Properties

**Edit Folder Properties**

Folder properties | Delivery Address | Forms

Folder Name:

Folder Type:

Change folder types for all subfolders:

Languages:

Countries:

Override:

Copy country and language to all subfolders:

Folder Owner:

Same user is container owner:

Owner of containers:

Except

Radiological:

Biological:

Shopping

Costcode:

---

IFC






Floor Level:






















Sprinkled:

Controlled:

Allowed: 4      Current: 0


Copy Floor Level and Sprinkled to all subfolders:



Folder Property	Description	Attribute
Folder Name 	This is the name of the folder to be given.	 Text in property field
Folder Type 	This provide the option to designate the folder to be a specific type of folder;  Administrator, <b>Storage</b> , <b>Shop</b> , <b>Waste</b> .	 Colour code
Change folder types	This property enables all parent and subfolders to be	

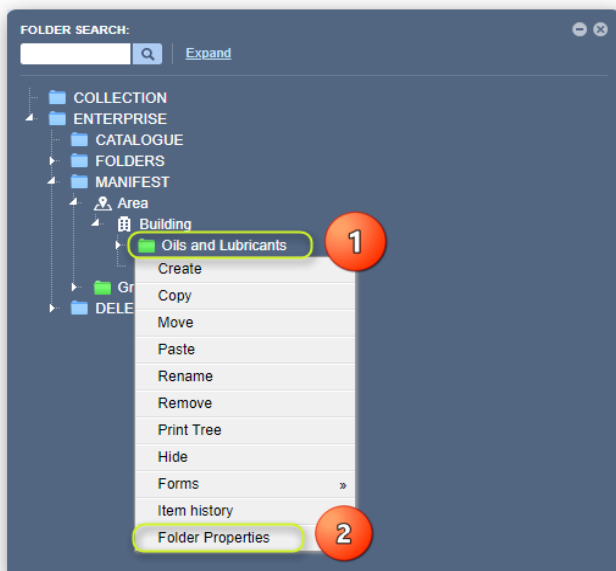
Folder Property	Description	Attribute
for all subfolders 	same type of folders.	All the same folder types
Copy store selection to subfolders 	This property is applicable to Sisot module.	 Sisot
Languages 	This property enables users to set the language(s) to the folders from the available list.	 Language set folder
Countries 	This property enables users to set the language(s) to the folders from the available list.	 Country set folder
Override 	This property overrides the preset language and country condition to a folder. It changes the current folder condition set by overrule function.	 Overrule
Copy country and language to all subfolders 	This property copies the preset country and language condition of the parent folder to the subsidiary (child) folders.	 Country and language
Folder Owner 	This property provides the ability to set the owner (user) for the folder.	 Folder Ownership
Owner of containers 	This property is applicable to Sisot module.	 Sisot
IFC/NFPA 	This property is applicable to US market. IFC is the International Fire Code filter feature and NFPA is the National Fire Protection Agency filter feature.	 Hazardous Material Reporting
Delivery Address Tab 	This property is applicable to Sisot module.	 Sisot
Forms Tab 	This property enables user to assign a form to be set against a folder. Choose a form title from the available drop-down list.	 Assign Form





The following steps illustrate the sequence with screen capture on ‘how to edit folder properties.

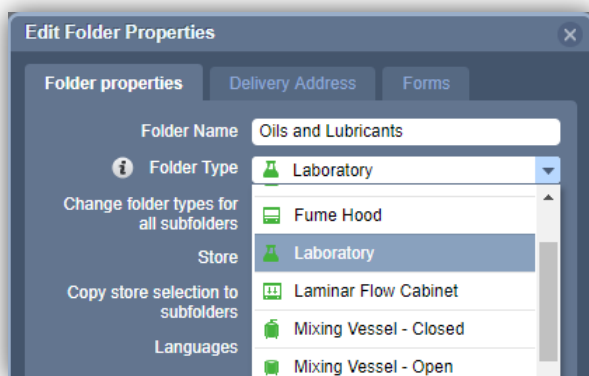
### Steps







Go to the **Home** module  (if it’s not already the default module).


1. **Right click**  on a folder.
2. Select  the **Folder Properties** option from the drop-down task menu.

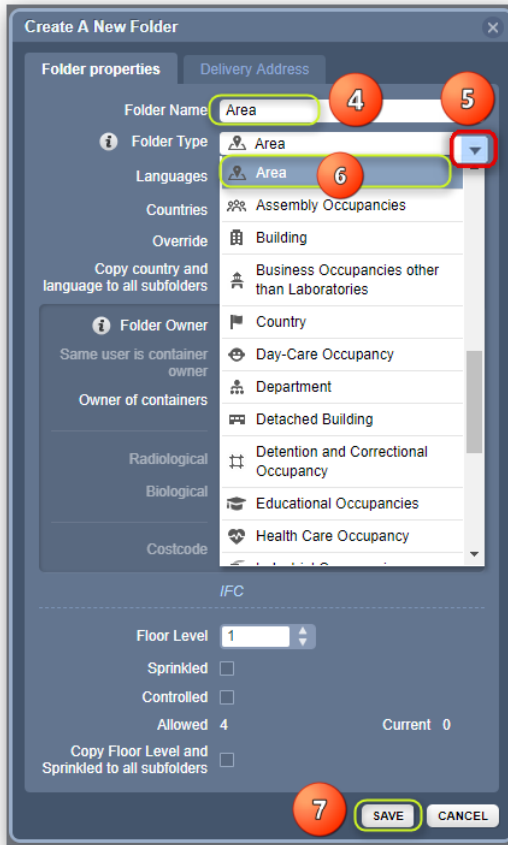


3. Click  the **folder type** drop-down arrow  to change it, e.g., from storage  to laboratory .

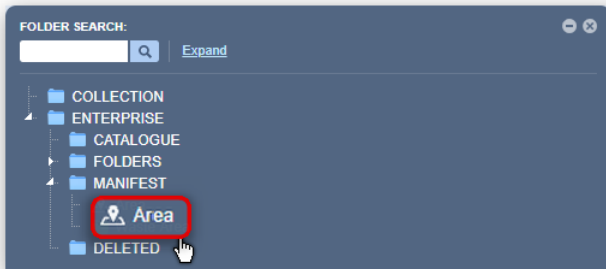



4. Click  the **folder type drop-down arrow**  to list the types of folders.
5. Scroll down  the list and select  the ‘**Laboratory**’ folder type.
6. Click  the **Save** button to add folder .

 At step 5 in the above activity, users can choose any of the defined folder properties or change folder types for all subfolders by selecting the checkbox field “Change folder types for all subfolders”.



7. The Area folder is created 






 A message confirms completion of the task from the top middle area of the user interface.








#### 2.2.4.10 Copy Multiple Folders

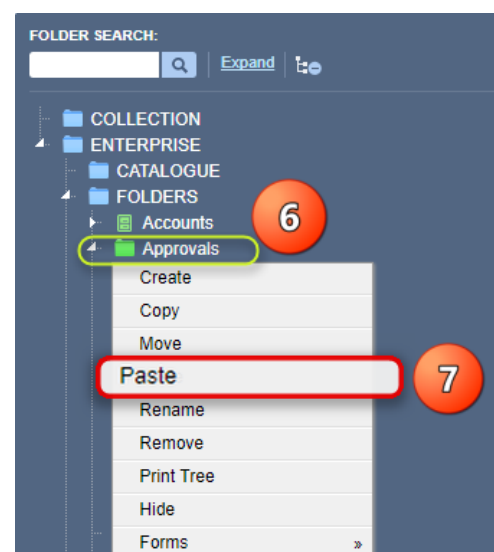
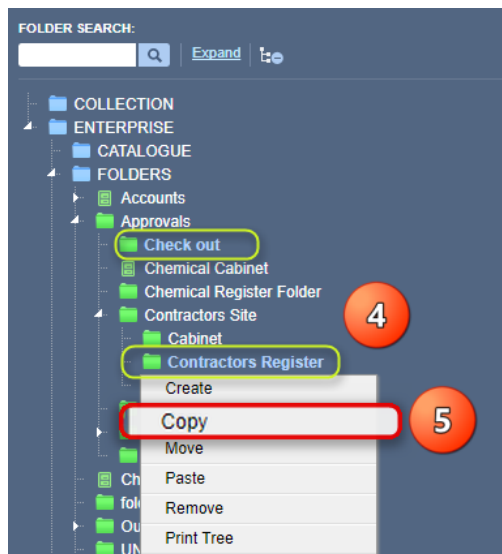
To copy multiple folders, use the **“CTRL”** key on the keyboard to select many folders. Follow the steps below to **“copy multiple folders into another folder”**.

## Steps

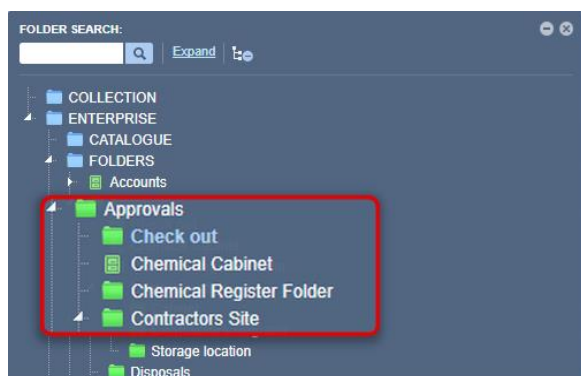
1. Go to the **Home** module  (if it's not already the default module).
2. Press  the **CTRL** key  on your keyboard and hold it down.



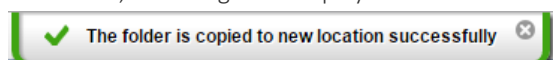
3. Select  the **folder names** from the tree structure to copy.
4. Mouse **right click**  on one of the selected **folders**.
5. Select  the **Copy** option from the menu.
6. Mouse **right click**  on the **destination folder**.
7. Select  the **Paste** option from the menu.



The copied folders will be added as child folders into the destination folder.











**i** A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.



### 2.2.4.11 Move Multiple Folders

“Moving a folder” is defined as relocating a folder from a current position in the tree structure into another folder location within the same folder directory or across directories. To move multiple folders, use the “CTRL” key on the keyboard to select many folders. Follow the steps below to “move multiple folders into another folder”.

#### Steps

1. Go to the **Home** module  (if it's not already the default module).
2. Press  the **CTRL** key  on your keyboard and hold it down and select  the **folder names** from the tree structure to move.
3. **Right click**  on one of the selected **folders** and select  the **Move**.
4. Mouse **Right click**  on the **destination folder**.
5. Select  the **Paste** option from the menu.



The moved folders will be added as child folders into the destination folder.

**i** A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.

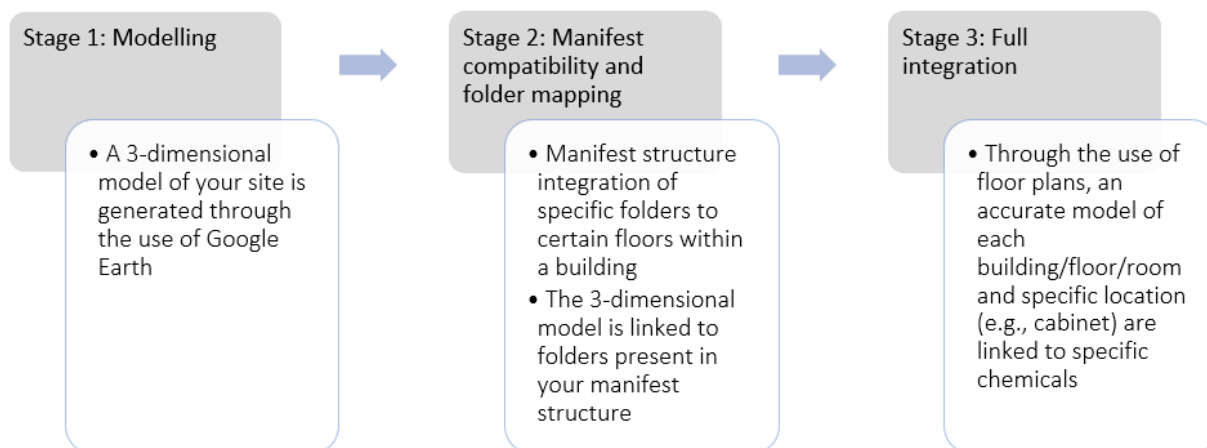
#### 2.2.4.12 Maps Mode

**Maps mode** (also known as Heat Mapping) is Chemwatch's new innovative solution for a robust digitized management of chemicals with regards to structuring of a site map (folder locations) and the areas considered as hazard hotspots where hazardous chemicals are stored.

The heat mapping tool's primary benefits to businesses or organisations is to;

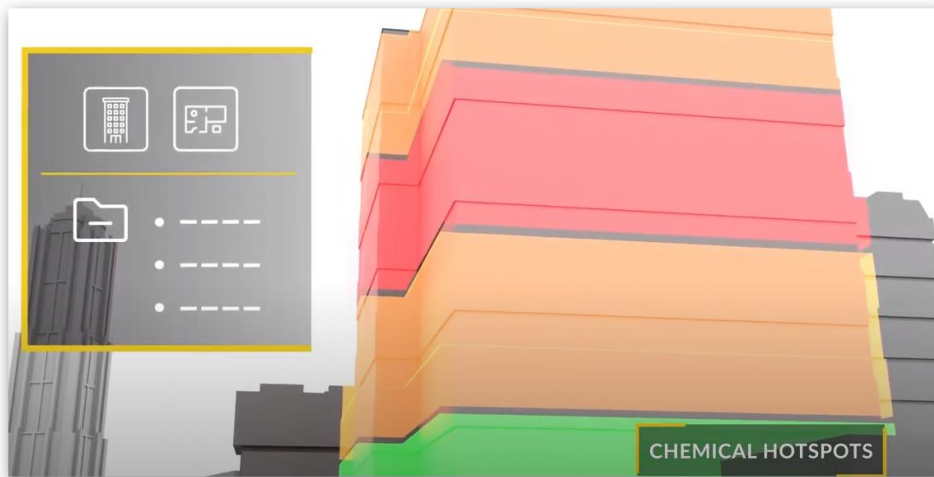
- Provide visualisation of chemical stores and hotspots
- Emergency planning
- Impact of chemical stores on neighbouring properties
- Mapping of facilities to assist with compliance to local chemical stores, fire codes, etc.
- Provide important data about your chemicals to emergency responders
- Additional data to complement your physical chemical audit and chemical safety responsibilities

The tool provides users with use 3D site digitization and view specific locations through Google Earth. The maps mode as it is termed "heat maps" occurs in three stages:



Once the full site integration is complete, the heat maps will automatically update as chemicals are moved or quantities changed to reflect the current hazard ratings and consequentially changing the hotspot colour. Hot spots enable the visualisation of the hazard ratings of the chemicals stored within a specific area and denoted by colour coding those relevant locations to indicate the level of hazard of a room/building/facility.

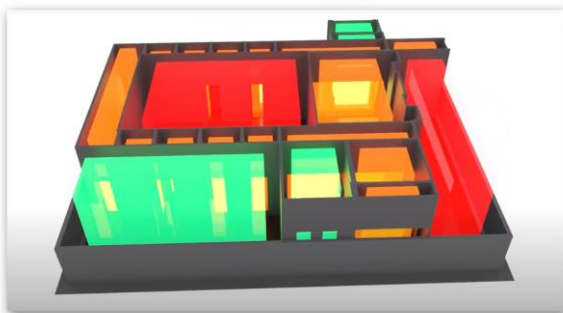




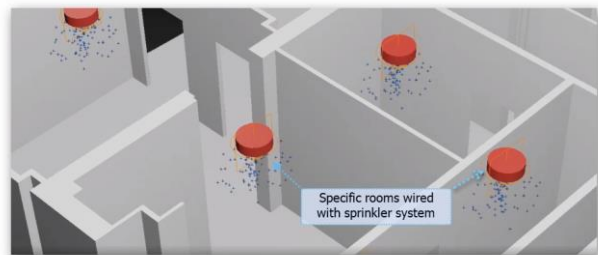
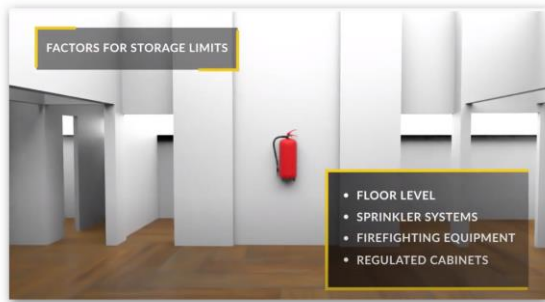
Heat mapping helps in preparing emergency procedures where human or natural phenomenon intervenes.

**i** Note that various federal and state authorities require annual hazardous facilities reporting. Heat maps assist in creating these types of reports to help with compliance requirements for your business or organisation.

Heat mapping can apply to rooms or even storage areas within rooms where blue prints or sketches are available. Maps mode can be used to create and incorporate a 3D version of these storage areas/rooms into the entire 360° panoramic view of the floor. Heat maps assist with identifying the precise location as you move between rooms where chemicals are stored in storage areas or work areas within rooms.

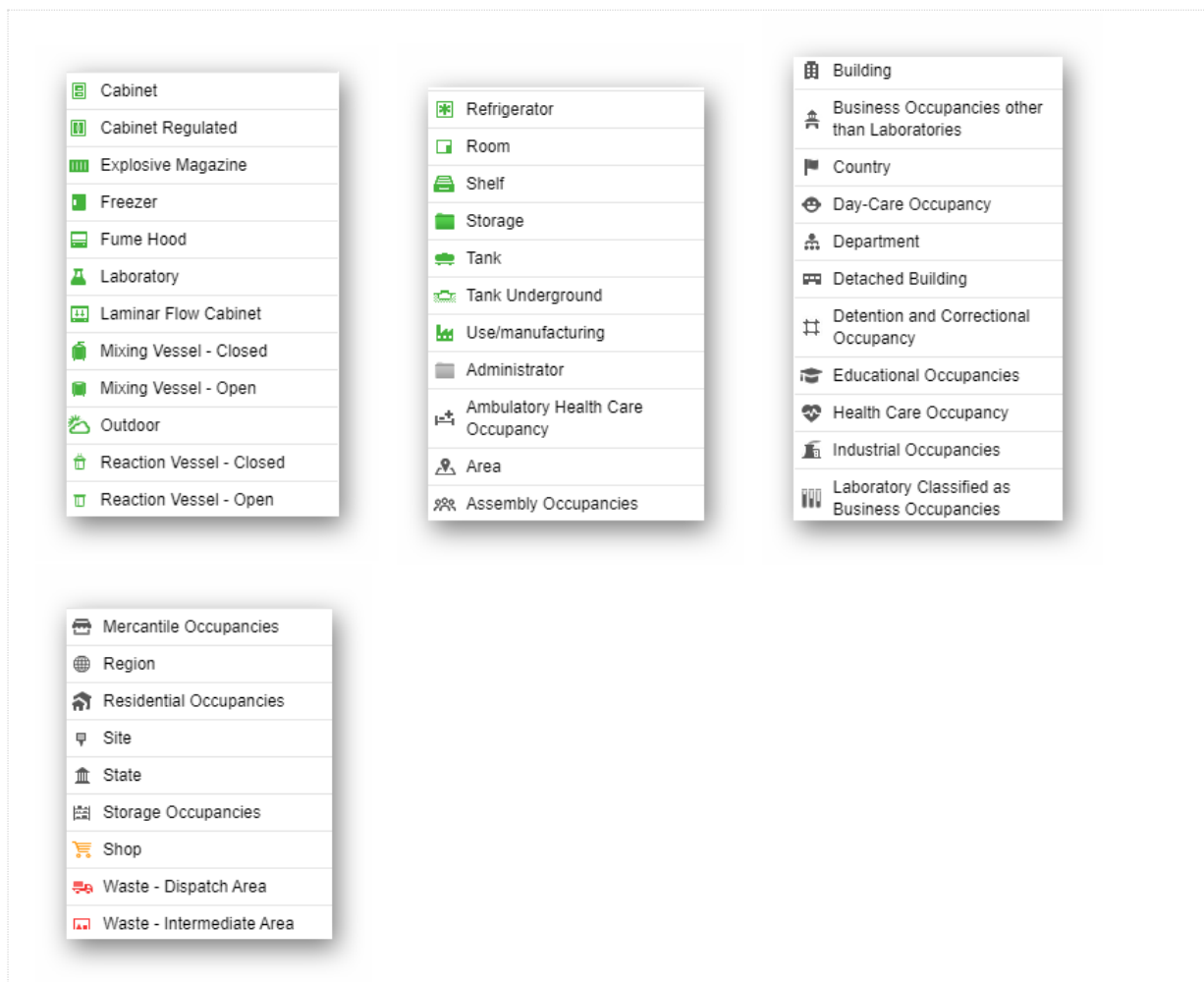


Furthermore, heat maps also allow adding features such as fire sprinklers or extinguishers or emergency escape exits to the panoramic views of each floor.








## Folder types

Lists of folder types available in the folder properties window are shown below.







## How can the folder structure be set up for Heat Mapping?

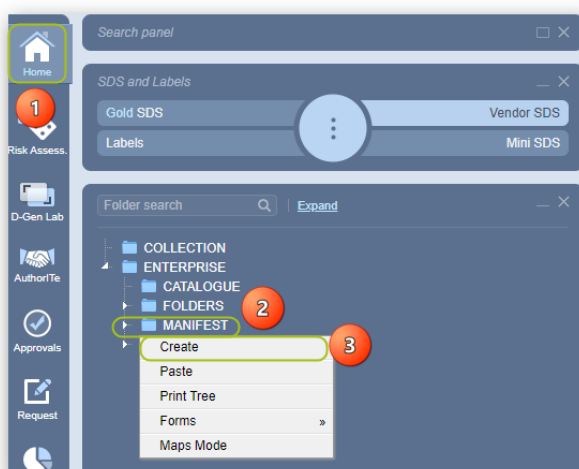
Chemwatch recommends setting up the folder structure by using the typical naming convention. An example of a folder structure for a university may be described as follows.

Folder Type	Description of a heat mapping related folder type
Site 	A campus location designated as a parent folder reflects the name of the specific site or location, e.g., Science Campus.
Building 	A building within the site is designated as subfolder, numbered or named according to the naming or numbering convention used in the manifest or site, e.g., A Building 1.
Floor 	A floor within a building is designated as a subfolder, numbered or named according to the naming or numbering convention used in the manifest or site, e.g., Floor 1.1.
Room 	A room within a specific floor of the building is designated as a subfolder and named according to the number or name convention used in the manifest or site for the rooms. Commonly, the name may include the floor and building number for the ease of identification, e.g., Room 101.
Cabinet 	A cabinet within a specific room for a particular floor of the building is designated as a subfolder and named according to the number and/or name convention used. Commonly, the name may include the floor and building number for the ease of identification, e.g., Cabinet 001. Furthermore, subfolders within the cabinet can be added to reflect the precise chemical locations such as shelf 1, 2, 3, etc.

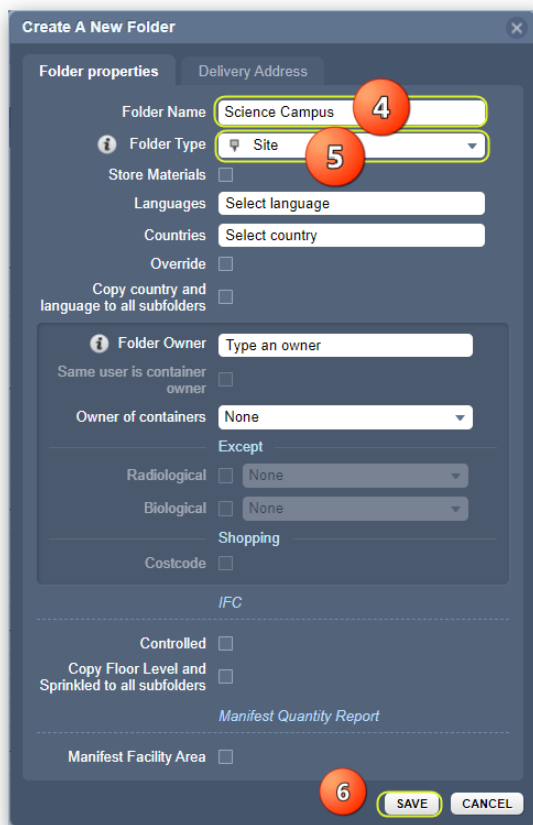
The following example illustrates how the folder structure may look like within the system's folder panel.

### Steps

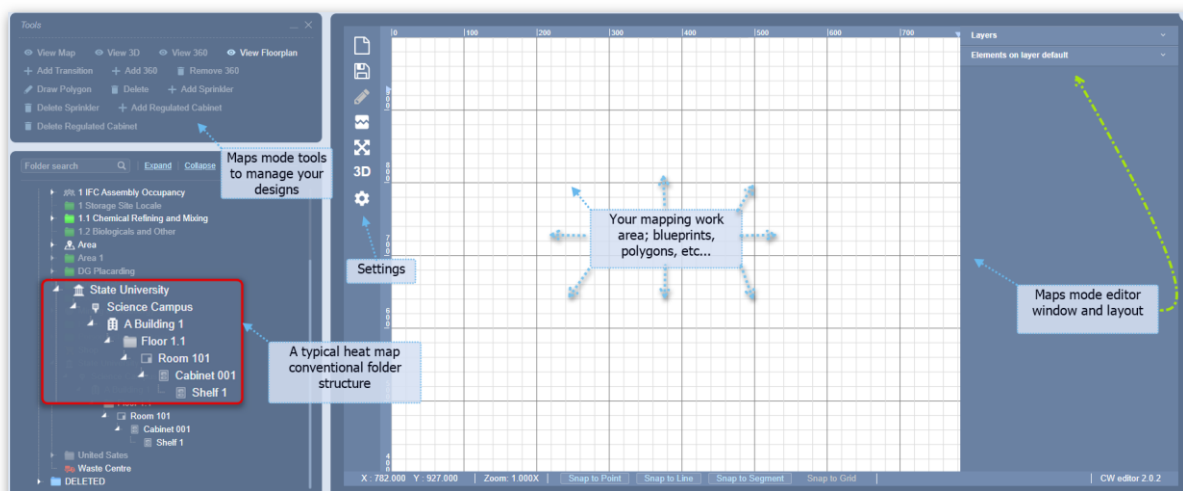
1. Go to the **Home** module  (if it's not already the default module).
2. **Right click**  on the manifest system tree directory folder node  **MANIFEST**.
3. Select  the **Create** option from the drop-down task menu.




4. Click the folder name **text field** and type the name of the folder, e.g., Science Campus.
5. Click the folder type **drop-down arrow** to list the types of folders.
6. Scroll down the list and select the 'Site' folder type.
7. Click the **Save** button to add folder.



8. Continue the same folder creation process to add subsidiary folders as per the naming convention and ensure to select the appropriate folder type.

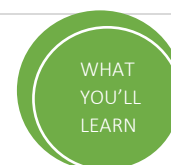


 For more assistance on how to structure your maps, polygons or create your 3D maps, contact your Chemwatch Account Manager by sending a request to [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net).













## 2.2.5 Add Materials



This topic covers the following activities:

- Adding materials into a folder by right click function
- Searching, drag and drop material into a folder







Chemwatch provides primarily four ways in which materials can be registered (added) into the database system.

Type	Required from Requester	Chemwatch Process	Expectation
<b>Inventory database Registration</b> 	Master product List, Sisot Inventory Product List, Manifest Inventory List can be sent to Chemwatch via email  .	 Inventory will be registered in accordance with the registration phases (PTNs statuses).	 Registration phases captured through the Chemwatcher module's PTN History and statuses. The PTN completion status depicted final output for all registered materials per PTN.
<b>Manifest Upload</b> 	Manifest Inventory List can be sent to Chemwatch via email  .	 Manifest will be created through the registration phases (PTNs statuses).	Registration phases captured through the Chemwatcher module's PTN History and statuses. The PTN completion status depicted final output for all registered materials per PTN.
<b>FTP Upload</b> 	The Master product List, Sisot Inventory Product List, Manifest Inventory List can be uploaded through File Transfer Protocol.	 Inventory will be registered through the registration phases (PTNs statuses).	
<b>Adding Materials by User</b> 	Users can add materials or products into folders in the GoldFFX application.	This process is considered as a self-registration, where user adds an SDS  into a folder.	 Users must have read-write permission




 Note that only users with read-write permission can add materials to the respective folders. The Chemwatcher  module is accessible to the administrator of the system within your organisation by default. For users who do not have access to the Chemwatcher module may contact their domain administrator of the system for more details.

Before adding a material into a folder, consider the following types of roles a user may have.







Function	User Profile	Description	Permission
 <b>Management/ Supervisory Role</b>	Folders/Manifest Management level	Management of specific areas (folder) within the system's folders or manifest directories.	 Ability to edit, (read-write permission) materials, manage folders, data; report generator, dashboards, document filter tools, conduct risk assessments and many more...functions.
 <b>Support Role</b>	Materials Management level	Management of materials for specific areas (folder) within the system's folders or manifest directories.	 Ability to edit, (read-write permission) materials, data; report generator, dashboards, document filter tools, conduct risk assessments and many more...functions.




### 2.2.5.1 Add Material into Folder by Right/Left Click Function

The Chemwatch system provides users with the option to drag and drop materials into a folder as a way of populating folders when creating an inventory. However, the system also has the ability to use the right/left click function depending on the type of computer/laptop the user has.







 Note that the **right click**  is applicable in **Windows PC** (running the windows operating system) whereas a Mac PC (running the Apple operating system, iOS) uses a left mouse click .

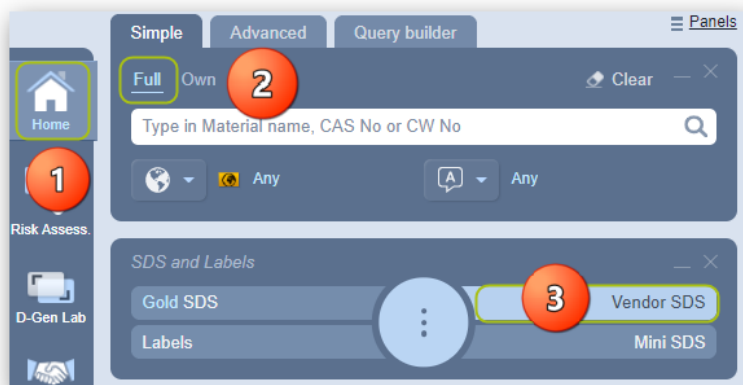
The following steps illustrate the sequence with screen capture on 'how to add a single SDS for a particular product into a storage folder' under the manifest system directory. In order to achieve this activity, two tasks have to be carried out;





- Use the **simple search autocomplete method** to search  for a product SDS  by material or product name from the full/own database
- Use the mouse **right click**  function to copy  product SDS into the respective folder  or use the **drag and drop**  function from the search results list

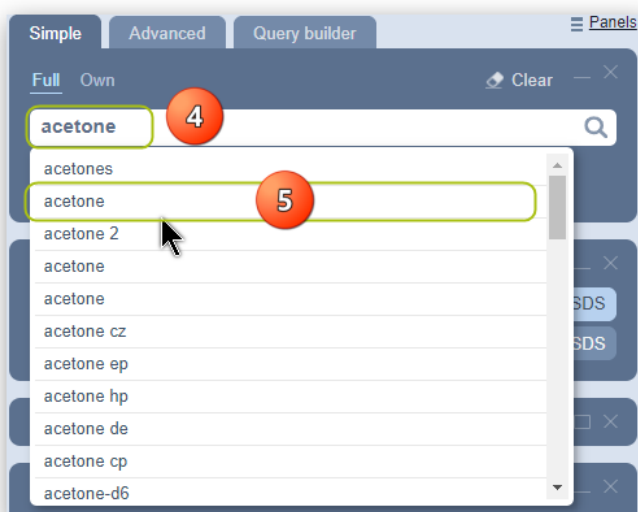
 If the material or chemical or product is available, a search list  result will display, however, if no material is found, the search result will display the message "no records found". In this case, send a request to upload Vendor SDS through the email  address below and ensure to attach the latest version of the SDS: [msdsuploads@chemwatch.net](mailto:msdsuploads@chemwatch.net).


## Steps

1. In the Home module button , select  the **Simple search** tab (if it's not already the default mode).
2. Press  the **Vendor SDS** button from the SDS panel to set the type of document .
3. Click  the **Full** search option in the Search panel to set the database path to full to look up  for Vendor SDS from the Chemwatch database collection.





4. Type  the **material** or **chemical name** in the Name/CAS free text field .
5. Select  the **material** or **chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.





6. Select  the name of the **material** by a specific vendor of interest to display a list of available multiple vendors.



7. Select the **country checkbox** by a clicking on the respective checkbox from the sidebar filter.


**i** In this worked example, the search criterion is set to look up for SDS for any country  **Any** and any language  **Any** and therefore the search results table contains any SDS from any country/language. In your organisation, you may have country and language already set users, if such is the case, then you will only get search results relevant to your filters set by the ADM. Otherwise, there's also an option to set the country and language before performing the search to ensure that your search results are drawn from the database based on your search criterion.





9. Right click  on the product name (by specific vendor, country, language and issue date ) from the document listing.



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	acetone	VGD Linatex (Linatex Rubber Products)	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD Valspar (a part of Sherwin-Williams)	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD Clark Products	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD Consolidated Chemical	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD Sigma-Aldrich (Merck)	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD W AAMTech	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD Composites Plus NZ	SDS	ANY	ANY	Secondary	03/09/2020
	123	acetone	VGD X Aerospace Solutions	SDS	ANY	ANY	Secondary	03/09/2020
	123	Acetone	VGD Chem	SDS	English	Australia	Secondary	13/08/2020
	123	Acetone	VGD Thermo Fisher Scientific	SDS	English	Australia	Primary	04/07/2020
	123	Acetone	VGD Thermo Fisher Scientific	SDS	English	Australia	Secondary	04/07/2020
	123	Acetone extra pure	VGD Thermo Fisher Scientific	SDS	English	Australia	Secondary	04/07/2020

- Select the **Copy** option.
- Expand** Manifest directory, Area, Section to view folder nodes to identify the specific folder location, e.g., storage.
- Right click** on the specific folder, e.g., storage folder is grey , depicting an empty folder.
- Select the **Paste** option.



- The storage grey folder  turns green , which depicts a folder with a material added into it. Select the **green folder to display record of added material**.

HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG	COUNTRY	LANGUAGE
	acetone Issue Date: 21/08/2018 Extraction Date: None	Sigma-Aldrich (Merck)	67-64-1	AUH066.H225.H319.H336	0.00 L		3		II	Australia	English

The moved folders will be added as child folders into the destination folder.

A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.

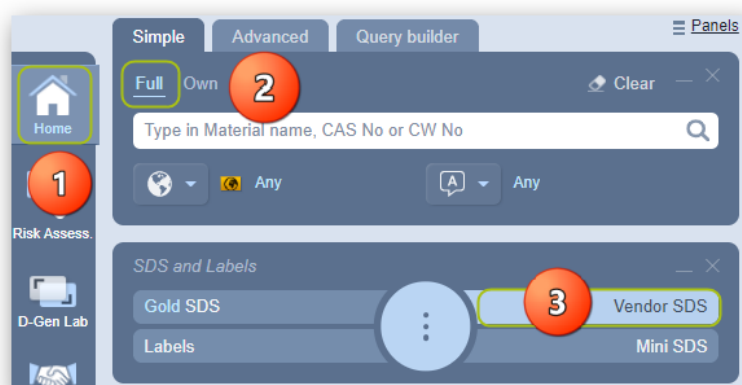
### 2.2.5.2 Search and Drag and Drop Materials into Folder

Type	Required from Requester	Chemwatch Process	Expectation
Adding Materials by User via the drag and drop function 	Users can add materials or products into folders in the GoldFFX application.	This process is considered as a self-registration, where user adds an SDS  by drag and drop  into a folder.	 Users must have read-write permission

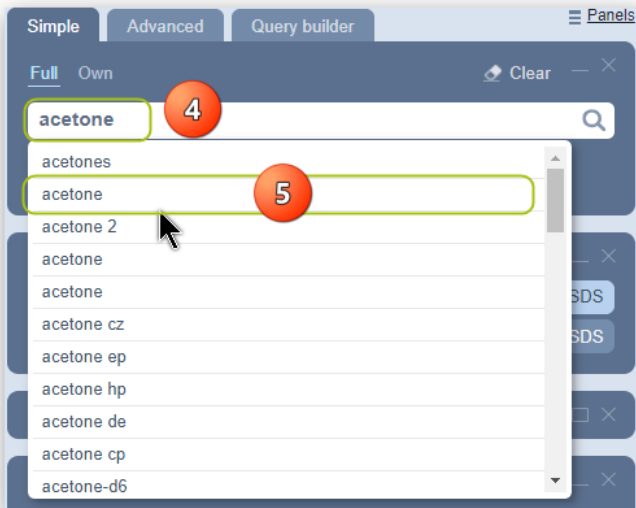
The steps below provide details on **how to add a single SDS into a folder using the drag and drop function.**

#### Steps

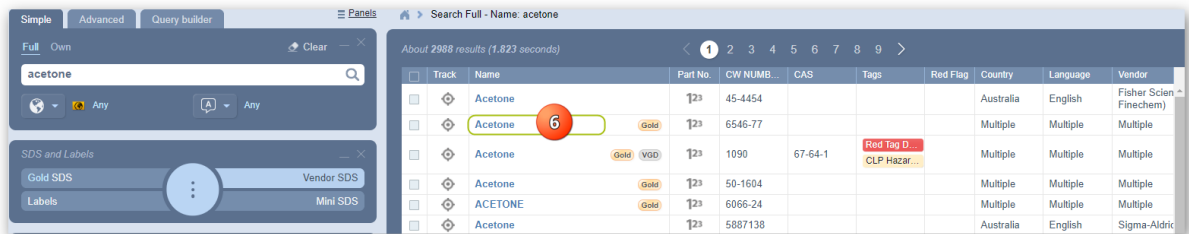
1. In the **Home module button** , select the Simple search tab (if it's not already the default mode).
2. Press the **'Vendor SDS' button** from the SDS panel to set the type of document .
3. Click the **Full** option in the Search panel to set the path to the Chemwatch full database.



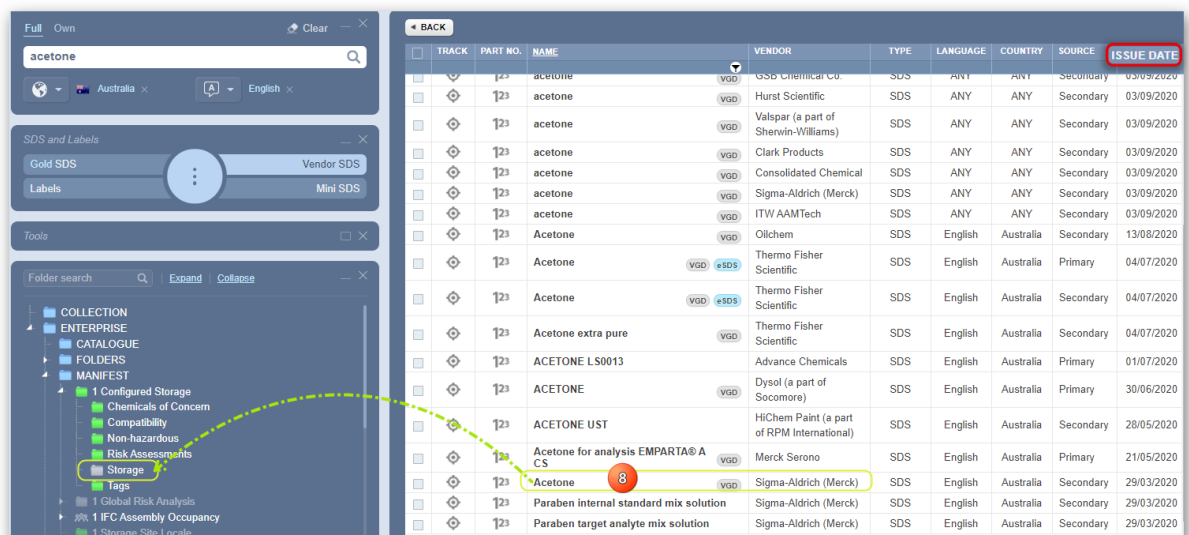
4. Type the **material or chemical name** in the Name/CAS free text field .
5. Select the **material or chemical name** from the autocomplete search list panel. In this case, acetone is used to demonstrate the steps.



6. Select the name of the material to display a list of available multiple vendors.



7. Expand Manifest directory, Area, Section to view folder nodes to identify the specific folder location, e.g., storage folder is grey **Storage**, depicting an empty folder.
8. Drag and drop the document name onto the destination folder.



9. The storage grey folder turns green, which depicts a folder with a material added into it. Select the green folder to display record of added material.

HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG	COUNTRY	LANGUAGE
	acetone Issue Date: 21/08/2018 Extraction Date: None	Sigma-Aldrich (Merck)	67-64-1	AUH066.H225.H319.H336	0.00 L		3		II	Australia	English

The copied product and accompanying Vendor SDS will be added into the destination folder.

A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.

## 2.2.6 Add Volume/Weight to a Material or Product

This topic covers the following activities:


- [Adding Volume/Weight to a Material](#)
- [Adding Volume/Weight to a Product](#)
- [Dangerous Goods Volume/Weight - Gases](#)



Before adding volume or weight to a material or product line for an item, consider the following recap.





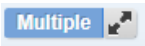
Component	Manifest Attribute
Manifest inventory records list	Material Name column has been enhanced through a grouping function to show the <b>Multiple</b> button  which in turn enables materials to be grouped as per the Cat Names when viewing the list in Material Name (Grouping) mode.
Edit Volume/Weight at Cat Name and Material Name	<b>Volume/Weight</b> is editable  at the catalogue name (product) mode and the material name grouping mode (at product level). The grid view  only shows the total amount of volume/weight.
No Edit volume/weight at Material Name row where multiple button is shown	It is NOT possible to edit volume/weight for the material name where the Multiple button  is displayed due to grouping of cat names (products).

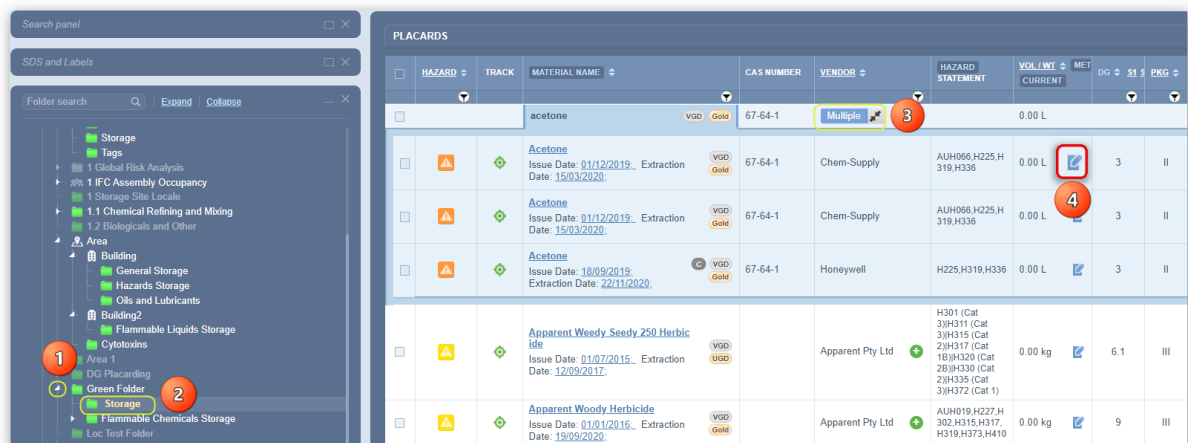
### 2.2.6.1 Add/Edit Volume or Weight of a Material – Material Name View Mode

The following steps illustrate ‘how to add/edit the volume/weight of a material’. The volume or weight will be edited in a folder at level 3 node  of the tree (within an Area and Section “Building” folders).

**Steps:** Add or Edit Volume/Weight of a Material

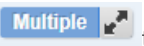
In the **Home** module button , select  the Simple search tab (if it’s not already the default mode).



1. **Expand**  **manifest directory nodes** to view the folder location, e.g., level 3 node.
2. Press  the **Folder name**. Take note of the manifest list grid  as it defaults to the Cat Name column header name. Switch the Cat Name to Material Name from the Cat Name header.
3. Click  the **Multiple** button  to expand list of documents for the material that is grouped. Note that the volume/weight of the products are zero units **0.00 L** in this case.



HAZARD	TRACK	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL./WT CURRENT	MET	DG	S1	PKG
		acetone	67-64-1	VGD Gold		0.00 L				
		Acetone Issue Date: 01/12/2019, Extraction Date: 15/03/2020.	67-64-1	Chem-Supply	AUH066, H225, H319, H336	0.00 L		3		II
		Acetone Issue Date: 01/12/2019, Extraction Date: 15/03/2020.	67-64-1	Chem-Supply	AUH066, H225, H319, H336	0.00 L		3		II
		Acetone Issue Date: 18/09/2019, Extraction Date: 22/11/2020.	67-64-1	Honeywell	H225, H319, H336	0.00 L		3		II
		Apparent Weedy, Seedy 250 Herbicide Issue Date: 01/07/2015, Extraction Date: 12/09/2017.		VGD Gold		0.00 kg		6.1		III
		Apparent Woody Herbicide Issue Date: 01/01/2016, Extraction Date: 13/09/2020.		VGD Gold		0.00 kg		9		III

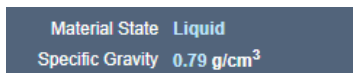
 Note that it is NOT possible to add volume/weight to the material level (row) directly when in Material

Name view mode. Users need to use the Multiple button  to expand the row in order to view the product(s) linked to a Vendor SDS for that particular material.

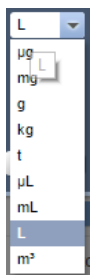
4. Click  the **Edit** button  to open the edit panel. This panel contains 3 editable fields; current, maximum and licensed volume or weight. It will also display the current folder location where the product is located within the tree structure.
5. Select  the **Current Volume/Weight**  text field  and enter the desired amount



6. Note that this product is a liquid. Refer to default data within this panel.

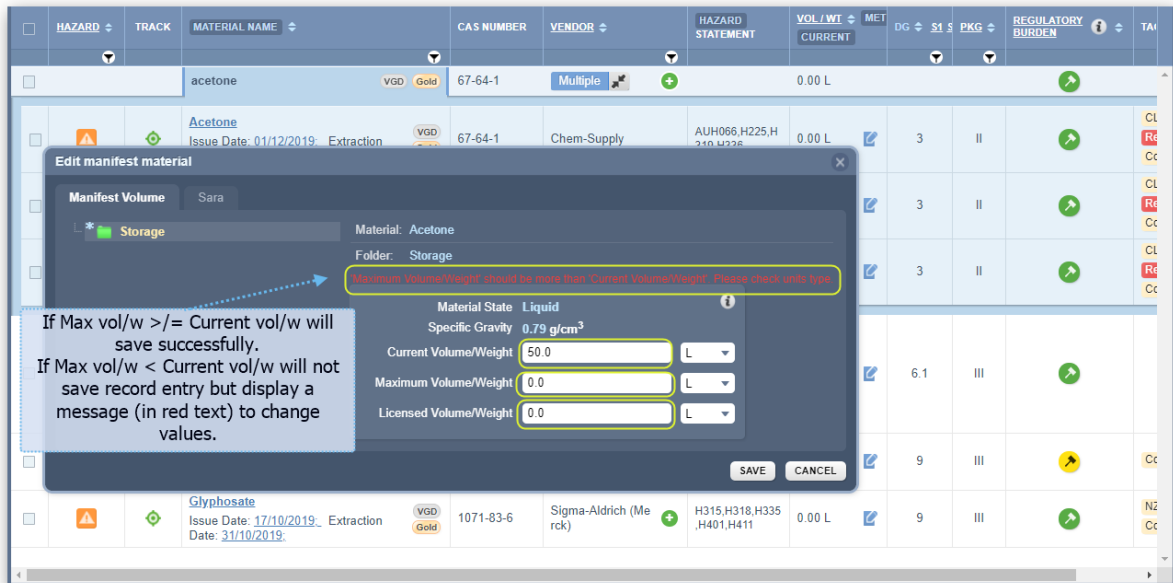


Select the **drop-down arrow** to change the unit of measure from kg to L.



7. Select the **Maximum Volume/Weight** text field and enter the desired amount (optional). Apply the correct unit of measure.
8. Select the **Licensed Volume/Weight** text field and enter the desired amount (optional). Apply the correct unit of measure.

Note that if the Current Volume/Weight is greater than the maximum or licensed value, in this both are retained at 0.00L, it is very important to be cautious as in this case scenario when trying to save your record entry, the system will flag out a message (in red) stating that Maximum volume/weight should not be more than Current Volume/Weight as depicted below.



Example: Current volume set to 50L, Maximum volume/weight set to 300L and Licensed volume/weight set to 500L will be saved successfully as the rule Current VOL/WT  $\leq$  Max VOL/WT is met.



9. Press the **Save** button

A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.

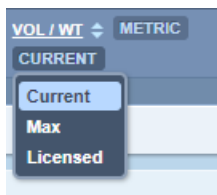




10. Summary about viewable the volume/weight for this item.

Expand Multiple button to view details of the product. The default volume/weight is set to “Current”, which means the grid will display the current volume assigned to this item. The material name is “acetone” showing the 50.00L as per the product’s assigned volume of 50.00L for the current value.

HAZARD	TRACK	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG
		acetone	67-64-1	Multiple		50.00 L	CURRENT			
		Acetone Issue Date: 01/12/2019; Extraction Date: 15/03/2020	67-64-1	Chem-Supply	AUH066, H225, H319, H336	50.00 L				3 II
		Acetone Issue Date: 01/12/2019; Extraction Date: 15/03/2020	67-64-1	Chem-Supply	AUH066, H225, H319, H336	0.00 L				3 II
		Acetone Issue Date: 18/09/2019; Extraction Date: 22/11/2020	67-64-1	Honeywell	H225, H319, H336	0.00 L				3 II

11. In order to view the “Maximum” volume/weight  of the same product, press  the “Current” button  from the VOL/WT column header.


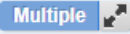



12. Select  the “Maximum” option . As soon as the max button option is selected, the current view changes to the maximum value.





HAZARD	TRACK	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG
		acetone	67-64-1	Multiple		300.00 L	MAX			
		Acetone Issue Date: 01/12/2019; Extraction Date: 15/03/2020	67-64-1	Chem-Supply	AUH066, H225, H319, H336	300.00 L				3 II
		Acetone Issue Date: 01/12/2019; Extraction Date: 15/03/2020	67-64-1	Chem-Supply	AUH066, H225, H319, H336	0.00 L				3 II
		Acetone Issue Date: 18/09/2019; Extraction Date: 22/11/2020	67-64-1	Honeywell	H225, H319, H336	0.00 L				3 II

### 2.2.6.2 Add Volume/Weight to a Product – Cat Name View Mode


Before adding volume or weight to a material or product for a line item, consider the following recap.

Component	Manifest Light Component
Manifest inventory (Cat Name view) 	Cat name view will NOT display the <b>Multiple</b> button  but show a plain view of the list of products (linked to the Vendor SDS). The Chemwatch Name (Material Name) is not shown in this grid  view mode. Note that some material names may be the same as the Cat name (product), especially pure substances and some mixtures may have identical material and cat names.



<p>Edit Volume/Weight at Cat name and Material name view</p> 	<p>Volume/Weight  is editable  at Cat (catalogue) name (product) view mode. The grid (table) view  only shows the total amount of Volume/Weight for the products listed.</p>
--	---






The following steps illustrate ‘how to edit the Volume/Weight’ of a product in Cat (Catalogue) name view mode (Plain).

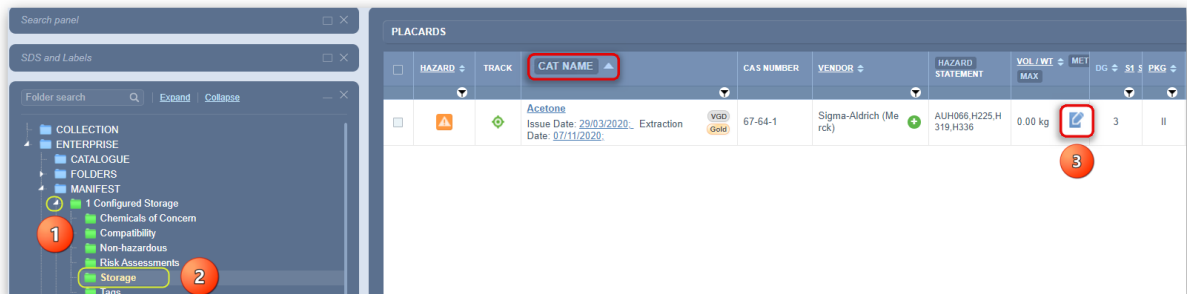
HAZARD	TRACK	CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT	MET	S1	PKG
		Acetone Issue Date: 01/12/2019, Extraction Date: 15/03/2020	67-64-1	Chem-Supply	AUH066,H225,H319,H336	300.00 L		3	II
		Acetone Issue Date: 18/09/2019, Extraction Date: 22/11/2020	67-64-1	Honeywell	H225,H319,H336	0.00 L		3	II

In this worked example, the volume or weight will be edited in a folder at level 3 node of the tree within the parent Area and Section “Building” folders.

### Steps: Edit Volume/Weight of a Product in Cat Name View

In the **Home** module button , select  the Simple search tab (if it’s not already the default mode)

1. **Expand**  manifest directory nodes to view the folder location, e.g., level 3 node
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name. The default view mode is Cat Name.
3. Click  the **Edit** button  to open the edit panel. This panel contains 3 editable fields; current, maximum and licensed volume or weight. It will also display the current folder location where the product is located within the tree structure. Note that by default the VOL/WT unit display is in kg (kilograms).



4. Select  the **Current Volume/Weight**  text field  and enter the desired amount

**Edit manifest material**

Manifest Volume Sara

L\* Storage Material: Acetone  
Folder: Storage

Material State Liquid

Specific Gravity 0.79 g/cm<sup>3</sup>

Current Volume/Weight 50.0 kg

Maximum Volume/Weight 0.0 kg

Licensed Volume/Weight 0.0 kg

10 SAVE CANCEL

- Note that this product is a liquid. Refer to default data within this panel.

Material State **Liquid**  
Specific Gravity 0.79 g/cm<sup>3</sup>

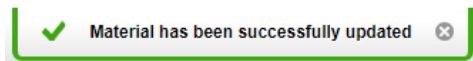
Select the **drop-down arrow** to change the unit of measure from kg to L.

- Select the **Maximum Volume/Weight** text field and enter the desired amount (optional).
- Select the **drop-down arrow** to change the unit of measure from kg to L.

- Select the **Licensed Volume/Weight** text field and enter the desired amount (optional).

9. Press the **Save** button

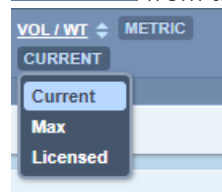
A confirmation message will display to confirm successful task. If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.



10. The Volume/Weight for this material is displayed on the grid based on the default VOL/WT set to **“Current”**, which means that the grid will display its current Volume/Weight. In this worked example, the Cat name is “Acetone” showing the 50.00L as per the product’s assigned Volume of 50.00L for the current value.

HAZARD	TRACK	CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG
		Acetone Issue Date: 29/03/2020; Extraction Date: 07/11/2020	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	50.00 L		3		II

11. To view the **“Maximum”** Volume/Weight of the same product, press the **“Current”** button from the Vol/Wt column header to view options



12. Select the **“Maximum”** option

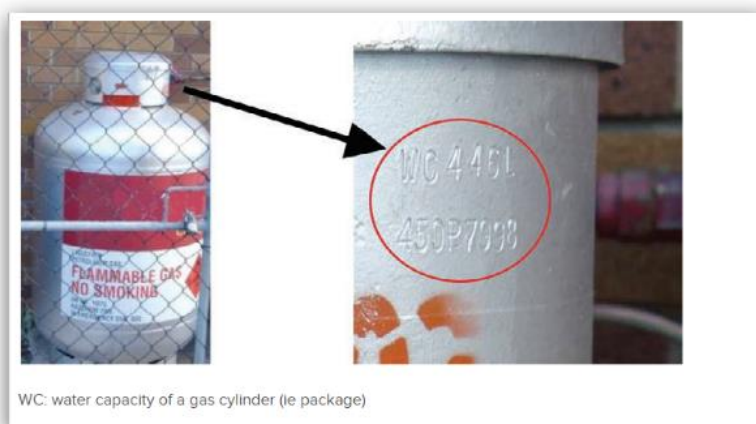
As soon as the Max button option is selected, the Current view changes to the Maximum value alongside the product line item and in this case, it shows the Maximum value = 300L.

HAZARD	TRACK	CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG
		Acetone Issue Date: 29/03/2020; Extraction Date: 07/11/2020	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	300.00 L		3		II

**i** When Adding Volume/Weight for a solid, the edit panel will default the material's physical state to "Solid" and the respective units will default to kg (kilograms).

### 2.2.6.3 Guidance for Adding Quantities for DGC2.1 (Except Aerosols)

For gases, the quantity of gas in a package, e.g., a cylinder is based on the water capacity (WC); which refers to the number of litres of water that would be required to fill the cylinder. However, the labelling usually indicates the mass of gas intended to hold. To determine the volume of a gas cylinder, look for the stamp on the cylinder neck or foot ring, usually accompanied by a "WC" mark. An example is shown in the figure below.



Confirmation of the water capacity of a gas cylinder may also be obtained from the supplier. Aggregate quantities for each GHS category for gases will need to be determined for comparison with the prescribed quantities.

**i** Prior to adding Volume/Weight for gases; consider the additional resource available through the link below.  
<https://www.elgas.com.au/for-home/gas-cylinder-sizes/>



### 2.2.7 Copy, Move or Remove Materials


This topic covers aspects on how to distribute materials across the folder structure. Distributing materials is described as; copying materials, moving materials and removing (deleting) materials.

- Copying a material or product into another folder
- Moving a material or product into another folder
- Removing a material or product from a folder






















The following exercises are relevant for users that have been granted read and write permission to folders and many not necessarily have rights to manage folders but can manage the content within those allocated specific folders or materials within the entire folder structure.

Type	Required from Requester	Chemwatch Process	Expectation
<b>Copy, move, remove materials</b>	Users can copy, move and remove materials or products into folders in the GoldFFX application.	This process uses the mouse right/left click to copy, move or remove SDS  .	 Users must have read-write permission

 If read only permission has been granted to a user, then that type of user profile will not be able to distribute materials within the specified folders but may be granted rights to certain folders.




### What are the sources of materials where they can be copied from?

The sources of materials or products within the application are; Show Own, Unfiled Folder, Folders and Manifest. The table below provides descriptions for each type.


Source	Type of List	Copy, Move or Remove Materials
<b>Show Own List</b> 	 Inventory List of your company's or organisation materials registered in Chemwatch is viewable  in Show Own List  . The Show Own button is located within the Search Panel.	 All materials are displayed from the Show Own List button. Materials can be copied  from this list into specific folder locations within the tree structure  .
<b>Unfiled Folder</b> 	The Unfiled folder is a system's directory used for materials that are archived as newly added through registration. Not all users may have access  to this type of folder.	 Materials requests are added to this folder type. Materials can be copied, moved or removed  from the list into specific folder locations within the tree structure  .
<b>Folders Directory</b> 	This folder directory holds the Unfiled folder and any other general folder other than the manifest.	 Unfiled folder inventory is listed in this directory. Materials can be copied, moved or removed  from the list into specific folder locations within the tree structure  .
<b>Manifest Directory Folders</b> 	All manifest related regions, sites, areas or storage folder types are located under this directory.	Materials can be copied, moved or removed  from the list into specific folder locations within the tree structure  .

## 2.2.7.1 Copy a Material or Product into Another Folder


### Recap






Type	Required from Requester	Chemwatch Process	Expectation
<b>Copy material from a folder</b> 	Users can copy products into folders in the GoldFFX application.	This process uses the mouse right/left click to copy SDS  depending on type of pc/laptop being used.	 Users must have read-write permission

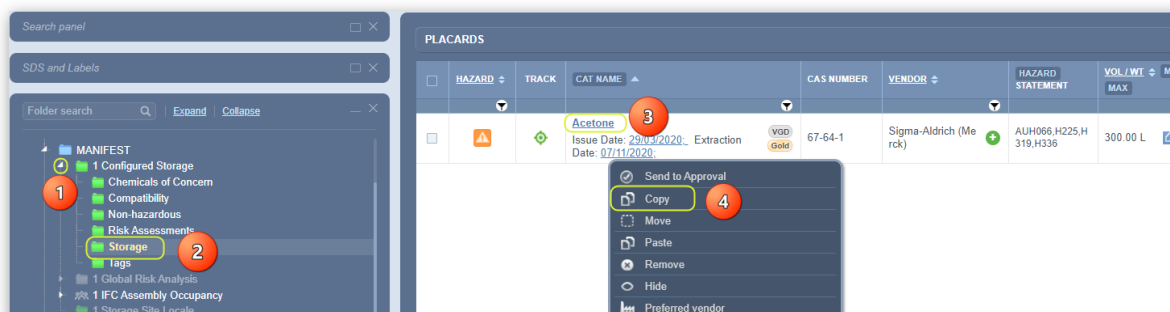
The following steps show **how to copy a product** in Cat Name view mode. Use the mouse **right click**  function to copy  product SDS into the respective folder .




 Note that if the product contains volume/weight when copied, that volume/weight value will NOT be copied.

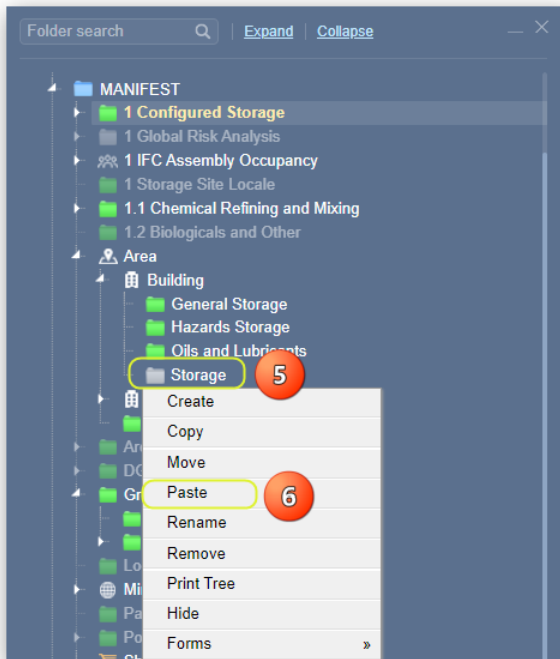
### Steps: Copy material into another folder




Open the **Home** module  (if it's not already the default module).


1. **Expand**  Manifest Directory, Area, Section to view folder nodes to identify the specific folder location, e.g., a storage green folder.
2. Click  the **folder name** to display records contained in that source folder.
3. **Right click**  on the product name (by specific vendor, country, language and issue date  from the products listing in Cat Name view mode.
4. Select  the **Copy** option.



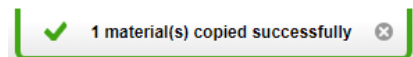
5. **Right click**  on the destination folder, e.g., storage folder is grey , depicting an empty folder.
6. Select  the **Paste** option from the menu.



7. The storage grey folder  turns green , which depicts a folder with a material copied into it. Select  the **green folder** to display record for the copied product.

HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL./WT. MET	DG	S1	PKG	COUNTRY	LANGUAGE	
	Acetone Issue Date: 22/12/2017 Extraction Date: None	VSD AU Chem-Supply	67-64-1	AUH066.H225.H319.H336	0.00 L			3	II	Australia	English





 A confirmation message will display to confirm successful task.



If a user does not have read-write access to a folder, a message will display to seek further help from the administrator. The copied line item DOES NOT keep the volume/weight from the source folder.

### 2.2.7.2 Move a Material or Product into another Folder

#### Recap

Type	Required from Requester	Chemwatch Process	Expectation
<b>Move material from a folder</b> 	Users can move products into other folders in the GoldFFX application.	This process uses the mouse right/left click to move SDS  depending on type of pc/laptop being used.  Another option available to users is the drag and drop  function	 Users must have read-write permission

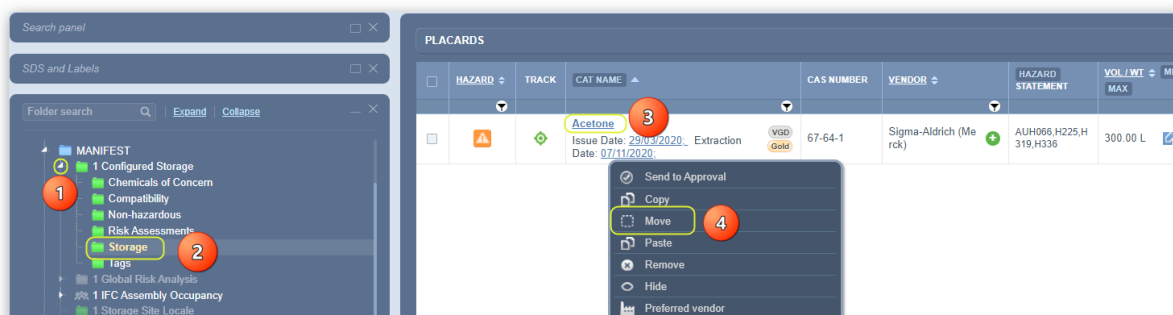
The following steps illustrate the sequence with screen capture on **‘how to move a product’** in Cat Name view mode. Use the right click function to move product SDS into the respective folder.

**i** Note that if the product contains volume/weight when copied, that volume/weight value will NOT be copied to the destination folder.

### Steps: Move a Product in Cat Name View into a Folder

Open the **Home** module (if it's not already the default module).

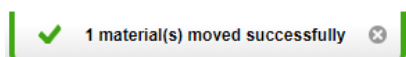
1. **Expand** Manifest directory, Area, Section to view folder nodes to identify the specific folder location, e.g., a storage green folder.
2. Click the **folder name** to display records contained in that source folder.
3. **Right click** on the product name (by specific vendor, country, language and issue date) from the products listing in Cat Name view mode.
4. Select the **Move** option from the menu.



5. **Right click** on the destination folder, e.g., storage folder is grey, depicting an empty folder.
6. Select the **Paste** option from the menu.
7. The storage grey folder turns green, which depicts a folder with the moved product. Select the **green folder** to display record for the product line item.

HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG	COUNTRY	LANGUAGE
	Acetone Issue Date: 22/12/2017; Extraction Date: None	VGD Chem-Supply	67-64-1	AUH066,H225,H319,H336	50.00 L		3		II	Australia	English


**i** A confirmation message will display to confirm successful task.




If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.



## Summary about Viewable Volume/Weight for this Moved Item





The default Volume/Weight is set to “**Current**”, which means the grid  will display the Current Volume/Weight that was originally assigned to the item. The Cat name is “Acetone” showing the 50.00L as per the product’s assigned Volume of 50.00L for the current value.

HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	MET	DG	S1	PKG	COUNTRY	LANGUAGE
	<b>Acetone</b> Issue Date: 22/12/2017 Extraction Date: None	Chem-Supply	67-64-1	AUH066,H225,H319,H336	<b>50.00 L</b>		3		II	Australia	English
	<b>Acetone, 99.8%, anhydrous (max. 0.005% H2O)</b> Issue Date: 03/08/2018 Extraction Date: None	Scharlab	67-64-1	EUH066,H225,H319,H336	50.00 L		3		II	Spain	English
	<b>L-Alanine</b> Issue Date: 04/01/2016 Date: None	MP Biomedicals Australia Pty Limited	56-41-7		0.00 L		None		None	Australia	English

 The moved line item keeps the volume/weight from the source folder it was moved from. Hence, the destination will contain the same value of the volume/weight of the material.


### 2.2.7.3 Remove a Material or Product from a Folder






#### Recap

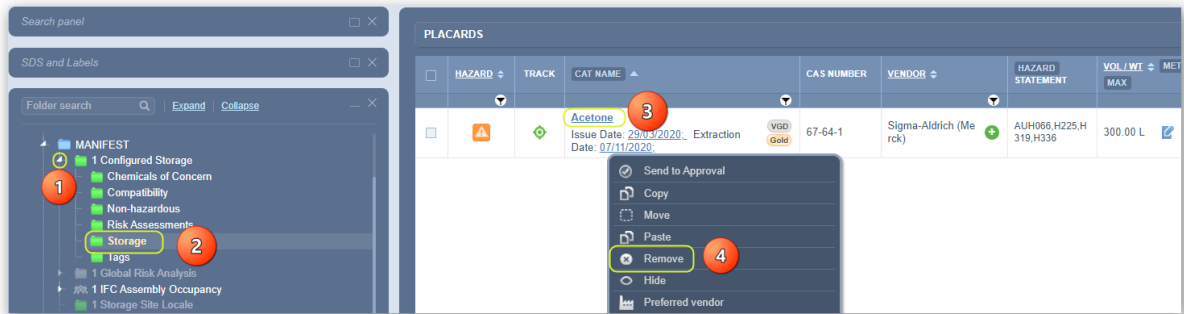
Type	Required from Requester	Chemwatch Process	Expectation
<b>Remove material from a folder</b> 	Users can remove products from one folder into another in the GoldFFX application.	This process uses the mouse right/left click to remove  SDS depending on type of pc/laptop being used.  Another option available to users is the drag and drop  function into the Deleted Directory	 Users must have read-write permission

The following steps demonstrate **how to move a product** in Cat Name view mode. Use the **right click**  function to remove  a product SDS into the Deleted Directory folder .

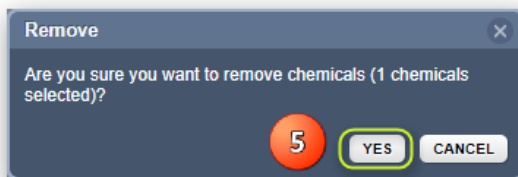
#### Steps: Remove/Delete a Product using the right click option

Open the **Home** module  (if it’s not already the default module).

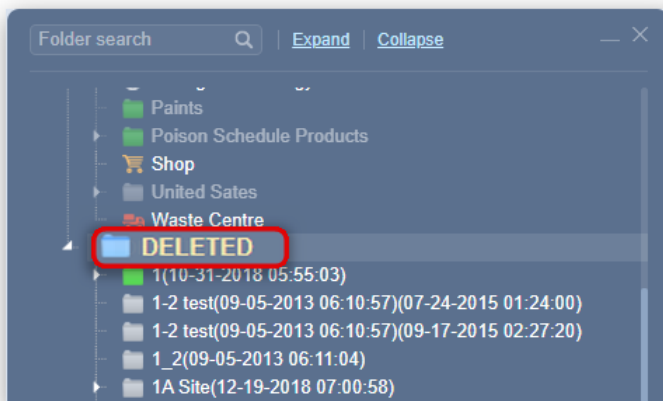
1. **Expand**  Manifest directory, Area, Section to view folder nodes to identify the specific folder location, e.g., a storage green folder.
2. Click  the **folder name** to display records contained in that source folder.
3. **Right click**  on the product name (by specific vendor, country, language and issue date ) from the products listing in Cat Name view mode.
4. Select  the **Remove** option from the menu.



- Click the **Yes** button to confirm deletion of 1 chemical record.



- The line item will be removed from the sourced folder and archived in the Deleted Directory.






A confirmation message will display to confirm successful task.






If a user does not have read-write access to a folder, a message will display to seek further help from the administrator.

Volume/Weight as a zero value to 2 decimal points **0.00 L**. The Cat name is “Acetone” showing the 0.00L, whereby the original product’s assigned current volume of 50.00L is automatically removed from the deleted line item. However, other data points about the product’s line item are retained.

HAZARD	CAT NAME	VENDOR	HAZARD STATEMENT	VOL/LWT	METRIK	PKG	DG	S1	S2	COUNTRY	LANGUAGE
	Acetone Issue Date: 01/12/2019, Extraction Date: 15/03/2020	VG D Gold Chem-Supply	AUH066,H225,H319,H336	0.00 kg		II	3			Australia	English

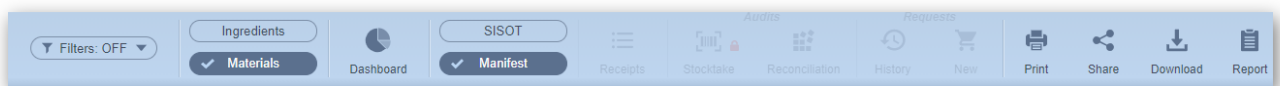
 The removed line item's  other volume/weight  category values for Maximum and Licensed are automatically removed upon deletion of the record.

HAZARD	CAT NAME	VENDOR	HAZARD STATEMENT	VOL / WT	METRIC	PKG	DG	S1	S2	COUNTRY	LANGUAGE
	Acetone Issue Date: 01/12/2019; Extraction Date: 15/03/2020.	 Chem-Supply	 AUH066,H225,H319,H336	0.00 kg	<b>MAX</b>	II	3			Australia	English

## 2.3 The Manifest Toolbar Hazards Filter, Dashboard

The main objectives of this section cover the Manifest Toolbar features on how to:

- Filter a Manifest list by All Hazards
- Filter a Manifest list by Specific Carcinogenic Hazards
- Filter a Manifest list by Incompatibility Report
- Filter a Manifest list by Manifest Quantity Report
- Filter a Manifest list by Placarding Report
- Filter a Manifest list by Ingredients Filter
- Create Dashboard widgets
- Generate Dashboard reports by use of widgets

























The  Manifest Toolbar contains the following components:

- Manifest hazards filter
- Materials/Ingredients filter
- PSD (Print, Share, Download)
- Dashboard
- Report Generator
- Sisot (optional feature/mode)

The table below provides specific attributes and the variety of uses of the Manifest module features.

Component	Attribute	Use	Expectation
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Component	Attribute	Use	Expectation
<b>Manifest Hazards Filter</b> 	Users can filter  a list by hazard type. By default, there are NO hazards that are filtered out.	Filter  a manifest list of chemicals in any folder by a specific hazard type or report type.	 Users must be granted privileges to use the hazards filter.
<b>Materials/Ingredients Filter</b> 	Users can filter for materials' ingredients based on the chemicals listed in a folder.	Identify what ingredients or constituents are available for each material in the chemical list.	 Users must be granted privileges to use the Materials/Ingredients filter.
<b>Print, Save, Email Buttons</b> 	Use the Print  , Save  or Email  functions to choose the type of report or document to generate from the chemicals listed in a folder.	Print options are available to choose the type of report.  Save options are available to choose the type of report.  The email  option is available to choose the type of report.	 Generally, all users have access to these functions.
<b>Dashboard</b> 	Use widgets to generate statistical data using graphs  , pie charts  and tables  .	Generate statistical reports for management reviews and reporting on current status of chemicals, hazards, users and many more...	 Users must be granted privileges to use the dashboard feature.
<b>Report Generator Button</b> 	Use the basic or advanced features of the report generator tool to export  report data  .	Generate reports from basic templates or create advanced templates  to export data into a spreadsheet.	 Users must be granted privilege to use the Report Generator feature.

The next topics discuss the Manifest Toolbar and how to use the options for a diversity of purposes such as:

- Filtering a Manifest list by all hazardous chemicals
- Filtering a Manifest by specific hazards
- Filtering a Manifest by incompatibilities that may exist
- Filtering a Manifest for those chemicals that meet the Manifest Quantity requirements
- Filtering a Manifest for those hazardous chemicals that meet the Placarding Quantity requirements
- Generating statistical summary reports through dashboard widgets and many more...

### 2.3.1 Manifest Hazards Filter

## MANIFEST MODE

### Manifest Hazards Filter

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Filter your inventory records by;

- Hazard All
- Dangerous Goods All
- SARA (US reporting)
- Incompatibility Report
- Poison Schedule (Australia)
- REACH Uses (EU reporting)
- Health Surveillance
- Biological Monitoring
- Phase Out
- US DHS Chemicals
- Japan PRTR Law

Filter your inventory records by;

- Hazards- Specific, e.g., Carcinogens
- Dangerous Goods-Specific, e.g., Flammables
- Hazards-Health
- Hazards-Physical
- Hazard-Environment
- Chemicals of Concern-LoC (US reporting)
- Exceeding Manifest Limits
- NFPA
- IFC
- Pending Data Extraction
- Tags

And many more...

The Manifest Hazards Filter defaults to “Filters: OFF”, and to use it, the Manifest list will have to be displayed first from the Manifest Directory/Folder. The Manifest list will show in a grid containing a number of columns which are discussed below.

The manifest hazards filter enables users to filter a list of materials for specific report based on the classification of materials (GHS/DG).

CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / LWT MET CURRENT	DG	S1	PKG	REGULATORY BURDEN	TAGS
1,1,1-Trichloroethane Issue Date: 01/01/2019. Extraction Date: None	71-55-6	Chem-Supply	H319,H332,H420	0.00 mL	6.1		III		
2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C Issue Date: 23/08/2006. Extraction Date: None	80333-68-2	Sigma-Aldrich (Merck)	H350,H373,H400,H410	0.00 L	7		None		HSE M CoC
5040 Indexflüssigkeit Issue Date: 08/04/2014. Extraction Date: 07/04/2019.		AGR International	-	0.00 kg	None		None		CoC
acetone-D6 Issue Date: 05/02/2004. Extraction Date: None	666-52-4	Merck	EUH066,H225	0.00 L	3		II		CoC
BATTERY ACID Issue Date: 11/06/2002. Extraction Date: 16/06/2020.		Johnson Controls	-	0.00 L	None		None		CoC
Benzene Issue Date: 23/10/2019. Extraction Date: 05/04/2020.	71-43-2, 1053658-43-7, 1173023-23-8, 174973-66-1, ... more	Sigma-Aldrich (Merck)	H225,H304,H315,H319,H336,H340,H350,H360Fd,H372,H401	0.00 L	3		II		Restrict CLP H Red T NZ Re Carcin H220 I CoC CLP H Red T NZ Re
chloroform Issue Date: 13/11/2014. Extraction	67-66-3	Sigma-Aldrich (Merck)	H302,H315,H319,H331,H351,H36	0.00 L	6.1		III		

## Background Information about the Manifest and Classification Data


### What is a hazardous chemical?




Hazard chemicals are those that, following worker exposure, can have an adverse effect on health and the environment. Examples of hazardous chemicals include poisons, toxins, chemicals that cause burns, skin, eye irritation and those that may cause cancer. Many hazardous chemicals are also classified as Dangerous Goods.

The Manifest module automatically calculates the Risk/Hazard Codes (Statements) based on the classification of the hazardous chemicals located in the respective folder structure. The Risk/Hazard column displays the applicable Risk/Hazard Codes. The table below provides summarised information for each of the Manifest grid column headers.

The screenshot shows a table with the following columns: TRACK, HAZARD, PART NO., MATERIAL NAME, CAS NUMBER, VENDOR, REGULATORY BURDEN, RISK STATEMENT, VOL / WT, METRI, PKG, COUNTRY, LANGUAGE, TAGS, APPROVAL, and GENERAL NOTE. A row of data is visible for 'Acetone' with various values and icons. Red circles with numbers 1 through 17 are overlaid on the interface to indicate specific features being described in the table below.

Column	Component	Attributed Function	Use
1	Checkbox	Selection of specific material. If material(s) is selected, report will display records based on selection, although this is ignored for Lists.	When generating report using the PMS toolbar or Report Generator
2	Track	Selecting a single-track icon alongside a material pin-points the location of the material in the folder structure.	Location of a material in current folder is depicted by respective colour coding of the track icon: Red, green, yellow and grey.
3	Hazard	Materials that have a Gold SDS and or VGD extracted will show the respect Chemwatch hazard rating colour coding icon.	The hazard rating colour codes are based on the classification of the material and the availability of a Gold SDS or extracted data (VGD). The colour codes are (in order of nature of hazard; red (extreme), orange (high), yellow (moderate), blue (low), grey (non-hazardous) and a question mark (unknown)
4	Part No	Products general will have a part number or product code assigned as per manufacturer or can be user defined.	The part no icon <sup>123</sup> is displayed, pressing on this icon alongside a material will display the part number window to view existing or add new part number(s).
5	Material Name	Material name display or Cat name display	Users can switch between material or cat name view. Cat name view shows the available list of products (with Vendor SDS where applicable).

Column	Component	Attributed Function	Use
6	<b>CAS Number</b>	Chemical Abstract Substance Number	Known CAS number(s) will be displayed in this column
7	<b>Vendor</b>	Vendor is the Manufacturer or Supplier of the SDS, If a vendor is not show, this means that only the material name was added without an existing Vendor SDS.	When a vendor SDS is added to the system, this column will show the respective Vendor(s) for the specific material/product. This column can also show multiple Vendors for the same material/product where applicable.
8	<b>Regulatory Burden</b>	A simple metric with four distinct bands; Extremely, Highly, Moderately and Lightly Regulated.	Provides an indication of the level of regulation surrounding a substance based on appearance and frequency in regulatory lists; Extremely (Red), Highly (Orange), Moderately (Yellow) and Lightly (Green) Regulated.
9	<b>Risk/Hazard Statement</b>	Risk Code and Hazard Code (GHS) display options.	Choose the classification mode to be applied on the grid. Material risk/hazard classification codes will be displayed respectively.
10	<b>Vol/Wt</b>	Volume or weight of the material or specific product based on the set units.	Volume/Weight can be entered for a single material or multiple products (at the vendor-cat name level).
11	<b>DG, S1, S2</b>	DG column displays the respective primary dangerous good classification and/or switch to subsidiary risk 1 or 2	Dangerous goods class assigned as per the classification of the material is displayed in this column. For more details about DG Classes and descriptions, refer to the appendix of the user guide.
12	<b>PKG</b>	Packing Group	Packing Group I, II or III as per the Dangerous Goods classification.
13	<b>Country</b>	Country of origin	Displays the respective of SDS's country of origin.
14	<b>Language</b>	Language of the SDS	Displays the language in which the SDS is available.
15	<b>Tags</b>	Label assigned automatically, manually or mixed to material. This type of labelling occurs within the grid alongside materials.	Tags can be created for identifying specific materials on the grid based on set criteria automatically or manually by the administrator or users given the rights to create tags.
16	<b>Approv.</b>	User dependent field for setting approval status of a material. Set approval by a specific person, set Use by; Risk Assessment and dates. Note that this setting does not relate nor is it linked to Approvals Module. It is a static record entry.	This attribute can be used for any approval criterion. It provides these options: Not Approved, Approval Required or Approved.  Materials without any approval set – will show an  icon.

Column	Component	Attributed Function	Use
			Approval Required – will display  icon.
			Approved – will display  icon.
<b>17</b>	<b>General Note</b>	A Note icon is displayed after a noted is added through the right click  menu option “Note”.	Add a note for a material for information sharing. Once a note is added, a flag will display with a mouse hover question mark. Materials without a note will be blank.



### Risk/Hazard Statement Classification Column

The hazardous substances risk codes/hazardous chemical hazard codes and dangerous goods classification generated for each product depends on the availability of a Gold MSDS authored by Chemwatch. The Manifest grid can display information in two types of views:

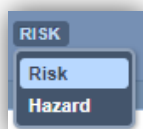
- Cat (Catalogue) Name view
- Material Name view

The **Risk Statement** classification column displays the respective risk codes per line item.

TRACK	HAZARD	CAT NAME	VENDOR	RISK STATEMENT	VOL / WT	METRIC	PKG	DG	S1 S2	COUNTRY	LANGUAGE
		<a href="#">1,1,1-Trichloroethane</a> Issue Date: <a href="#">01/01/2019</a> . Extraction Date: None	 Chem-Supply	R4,R20,R36,R59	0.00 mL		III	6.1		Australia	English
		<a href="#">2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C</a> Issue Date: <a href="#">23/08/2006</a> . Extraction Date: None	 Sigma-Aldrich (Merck)	R33,R45(2),R50/53,R58	0.00 L		None	7		Australia	English
		<a href="#">5040 Indexflussigkeit</a> Issue Date: <a href="#">08/04/2014</a> . Extraction Date: <a href="#">07/04/2019</a>	 AGR International	-	0.00 kg		None	None		Germany	German
		<a href="#">acetone-D6</a> Issue Date: <a href="#">05/02/2004</a> . Extraction Date: None	 Merck	R11,R66	0.00 L		II	3		Germany	Swedish
		<a href="#">BATTERY ACID</a> Issue Date: <a href="#">11/06/2002</a> . Extraction Date: <a href="#">16/06/2020</a>	 Johnson Controls	-	0.00 L		None	None		United States	English
		<a href="#">Benzene</a> Issue Date: <a href="#">23/10/2019</a> . Extraction Date: <a href="#">05/04/2020</a>	 Sigma-Aldrich (Merck)	R11,R36/38,R45(1),R46(2),R48/23/24/25,R51,R60(2),R63(3),R65,R67	0.00 L		II	3		Australia	English
		<a href="#">chloroform</a> Issue Date: <a href="#">13/11/2014</a> . Extraction Date: None	 Sigma-Aldrich (Merck)	R4,R22,R38,R40,R48/20/22	0.00 L		III	6.1		France	English
		<a href="#">CHLOROFORM SINGLE COMPONENT STANDARD FOR EPA METHODS</a> Issue Date: <a href="#">12/09/2011</a> . Extraction Date: None	 Sigma-Aldrich (Merck)	R11,R23/24/25,R39/26/27/28,R61(2)	0.00 L		II	3		Australia	English
		<a href="#">CLARITI PART A</a>		R36/38,R43,R51/53	0.00 L		III	9			

To change the risk statement classification column to display the GHS classification hazards statement codes, click  the **Risk Statement** column header and select  the **Hazard Statement** option as shown below.





The Manifest grid **Hazard Statement** column displays hazards classification codes in accordance to GHS classification per line item.

TRACK	HAZARD	CAT NAME	VENDOR	HAZARD STATEMENT	VOL./WT	METRIC	PKG	DG	S1	S2	COUNTRY	LANGUAGE
		1,1,1-Trichloroethane Issue Date: 01/01/2019. Extraction Date: None	Chem-Supply	H319, H332, H420	0.00 mL		III	6.1			Australia	English
		2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C Issue Date: 23/08/2006. Extraction Date: None	Sigma-Aldrich (Merck)	H350, H373, H400, H410	0.00 L		None	7			Australia	English
		5040 Indexflüssigkeit Issue Date: 08/04/2014. Extraction Date: 07/04/2019.	AGR International	-	0.00 kg		None	None			Germany	German
		acetone-D6 Issue Date: 05/02/2004. Extraction Date: None	Merck	EUH066, H225	0.00 L		II	3			Germany	Swedish
		BATTERY ACID Issue Date: 11/06/2002. Extraction Date: 16/06/2020.	Johnson Controls	-	0.00 L		None	None			United States	English
		Benzene Issue Date: 23/10/2019. Extraction Date: 05/04/2020.	Sigma-Aldrich (Merck)	H225, H304, H315, H319, H336, H340, H350, H360Fd, H372, H401	0.00 L		II	3			Australia	English
		chloroform Issue Date: 13/11/2014. Extraction Date: None	Sigma-Aldrich (Merck)	H302, H315, H319, H331, H351, H361d, H372	0.00 L		III	6.1			France	English
		CHLOROFORM SINGLE COMPONENT STANDARD FOR EPA METHODS Issue Date: 12/09/2011. Extraction Date: None	Sigma-Aldrich (Merck)	H225, H301, H311, H331, H360D, H370	0.00 L		II	3			Australia	English

What do these hazard colour coded icons mean?

The hazard colour coded icons that are displayed in the hazard column for each classified Cat name stem from the categories based on **Chemwatch Hazard Rating** criteria. The table below provides the meaning of the hazard icons with respect to the nature of the hazard.

Hazard Category	Rating	Hazard Level	Code	Icon	Nature of Hazard Chemical
Flammability Toxicity Body Contact Reactivity Chronic	0/Min	Non	Grey		Non Hazardous Chemical
	1	Low	Blue		Low Hazardous Chemical
	2	Moderate	Yellow		Moderate Hazardous Chemical
	3	High	Orange		Highly Hazardous Chemical
	4	Extreme	Red		Extremely Hazardous Chemical
No CW Classification	N/A	N/A	Question mark		Classification not provided by Chemwatch. However, the Vendor SDS has been classified by manufacturer.

The following products in show five different hazard code icons as per the Chemwatch hazard

ratings; orange, blue, red, grey and yellow respectively. From this list, you can depict that all the five listed products are classified as hazardous chemicals and also their hazard levels by looking at the hazard column alongside each product.

TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	MET	DG	SI	PKG	COUNTRY	LANGUAGE
		Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018; Extraction Date: None	Scharlab	67-64-1	EUH066,H225,H319,H336	50.00 L		3		II	Spain	English
		Argon Issue Date: 17/08/2000; Extraction Date: None	BOC (a division of Linde)	7440-37-1	AUH044,H280	0.00 L		2.2		None	Australia	English
		Benzene Issue Date: 17/11/2016; Extraction Date: None	Alfa Aesar (Avocado Research Chemicals, Ltd.)	71-43-2	H225,H304,H315,H319,H340,H350,H372	0.00 L		3		II	United Kingdom	English
		DEMINEALISED WATER Issue Date: 02/02/2010; Extraction Date: None	DuluxGroup	7732-18-5		0.00 L		None		None	Australia	English
		Kerosene Issue Date: 01/03/2015; Extraction Date: None	Blackwoods	8008-20-6	H226,H304,H315,H336	0.00 L		3		III	Australia	English

### 2.3.1.1 Filter a Manifest List by Hazards All

The following steps provide information on ‘how to derive a specific hazard report for all hazardous classified products from a manifest folder list. In order to achieve this activity, two tasks must be carried out.

Task	Action	Reason	Expectation
<b>Manifest Hazards Filter</b> 	Users can filter  a list by hazard type.	Filter  a manifest list of chemicals in any folder by a specific hazard type to Print , Save  or Email  the report for the identification of all hazardous chemicals in a location.	 Generally, users with access to Manifest can use the hazards filter.
<b>Print, Save or Email Report</b> 	Users can Print , Save  or Email  filtered out list as a report document.	Print hazardous chemicals list report Save hazardous chemicals list report. Email  hazardous chemicals list.	 Generally, users with access to Manifest can generate these reports.

In general, the hazards filtering can be achieved at any folder level, so long as the selected folder contains materials.

Designated icon	Folder Type	Filter at Folder Node Level	Folder Tree Node (s)
	<b>Area</b>	User can filter contents in the <b>Area</b> folder node under the manifest directory.	Level 1
	<b>Section</b>	User can filter contents in the <b>Section</b> folder node under the parent Area.	Level 2

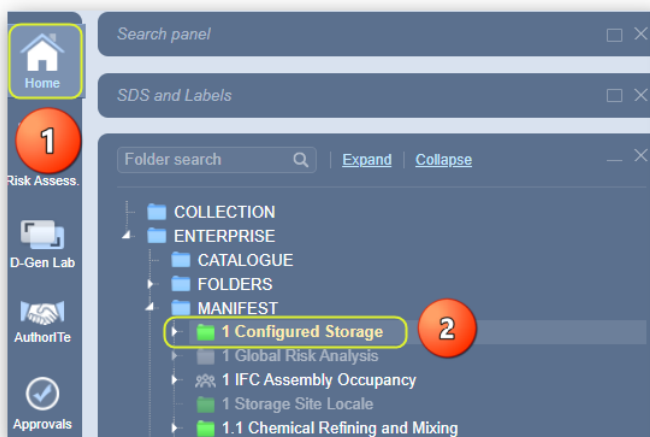
Designated icon	Folder Type	Filter at Folder Node Level	Folder Tree Node (s)
	<b>Location</b>	User can filter contents in the <b>Location</b> folder node under the Section level.	

In this worked example, the hazards-all filtering will be carried out from the Area folder node under the Manifest Directory.

### Steps: Filter by Hazard-All

Open the **Home** module (if it's not already the default module).

1. **Expand** Manifest directory nodes to view the folder location, e.g., the Area node at level 1 has been used in this worked example.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name view mode.



3. Click the drop-down arrow from the "Filters: OFF" button
4. Select the **Hazard-All** option from the hazard's filter menu.

Filters: OFF 3 Ingredients

Materials 4 Dashboard Manifest

Receipts Stocktake Reconciliation History New Print


Filtered Storage

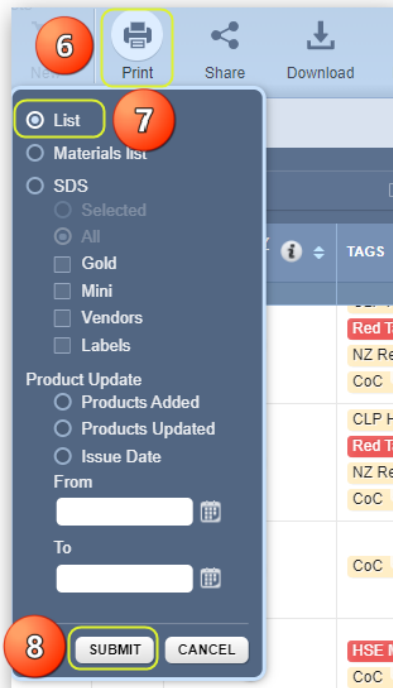
CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL./WT CURRENT	MET	DG	S1	PKG
<a href="#">1,1,1-Trichloroethane for synthesis</a> Issue Date: <a href="#">01/05/2015</a> ; Extraction Date: None	Gold 71-55-6	Merck	H319,H332,H420	40.00 L		6.1		III
<a href="#">1,1,1-TRICHLOROETHANE, ANHYDROUS, 99.5%</a> Issue Date: <a href="#">15/01/2020</a> ; Extraction Date: VGD Update in Progress	VGD Gold 71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316,H319,H332,H420	0.00 L		6.1		III
<a href="#">1,1,1-TRICHLOROETHANE, ANHYDROUS, 99.5%</a> Issue Date: <a href="#">15/01/2020</a> ; Extraction Date: VGD Update in Progress	VGD Gold 71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316,H319,H332,H420	0.00 L		6.1		III
<a href="#">2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C</a> Issue Date: <a href="#">23/08/2006</a> ; Extraction Date: None	Gold 80333-68-2	Sigma-Aldrich (Merck)	H350,H373,H400,H410	10.00 kg		7		None
<a href="#">3M(TM) Scotch-Weld(TM) 漆涂 AC79 无漆</a> Issue Date: <a href="#">26/08/2019</a> ; Extraction Date: VGD Update in Progress	VGD Gold 67-64-1	3M	H225,H319,H336	5000000.00 L		3		II
<a href="#">5040 Indexflüssigkeit</a> Issue Date: <a href="#">08/04/2014</a> ; Extraction Date: <a href="#">07/04/2019</a>	VGD Gold	AGR International	-	0.00 kg		None		None
<a href="#">ABC Blackener UPC No. 45910, 45911</a>	Gold	-	H290,H302,H314,H318,H330,H334,H350,H360,H400,H410	0.00 kg		8		III




5. Note that the list is filtered to show only those products that are classified as hazardous chemicals. The hazard column displays the colour coded icons as per Chemwatch's hazard rating and the hazard statement column shows the hazard classification codes (H Codes based on GHS) for each line item.

TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL./WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE	TAGS
		<a href="#">Acetone</a> Issue Date: <a href="#">16/12/2015</a> ; Extraction Date: None	Wilmar BioEthanol (Sucrogen BioEthanol)	67-64-1	AUH066,H225,H319,H336	0.00 L		3		II	Australia	English	CLP Hazar... Red Tag D...
		<a href="#">acetone</a> Issue Date: <a href="#">21/08/2018</a> ; Extraction Date: None	Sigma-Aldrich (Merck)	67-64-1	AUH066,H225,H319,H336	20.00 L		3		II	Australia	English	
		<a href="#">acetone</a> Issue Date: <a href="#">21/01/2010</a> ; Extraction Date: None	3M	67-64-1	AUH066,H225,H319,H336	40.00 L		3		II	Australia	English	
		<a href="#">Acetone, 99.8%, anhydrous (max. 0.005% H2O)</a> Issue Date: <a href="#">03/08/2018</a> ; Extraction Date: None	Scharlab	67-64-1	EUH066,H225,H319,H336	50.00 L		3		II	Spain	English	CLP Hazar... Red Tag D...
		<a href="#">Argon</a> Issue Date: <a href="#">17/08/2000</a> ; Extraction Date: None	BOC (a division of Linde)	7440-37-1	AUH044,H280	0.00 L		2.2		None	Australia	English	
		<a href="#">argon</a>	-	7440-37-1	H280,H333	0.00 L		2.2		None			
		<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> ; Extraction Date: None	Alfa Aesar (Avocado Research Chemicals, Ltd.)	71-43-2	H225,H304,H315,H319,H340,H350,H372	50.00 L		3		II	United Kingdom	English	Restricted... CLP Hazar... Red Tag D... NZ Regs
		<a href="#">Chloric acid</a> Issue Date: <a href="#">13/04/2013</a> ; Extraction Date: None	Sigma-Aldrich (Merck)	7790-93-4	H272,H319	0.00 L		5.1		II	Australia	English	Chem Sec... Ucar Extre... Red Tag D...
		<a href="#">HYDROGEN CYANIDE</a> Issue Date: <a href="#">23/10/2008</a> ; Extraction Date: None	Sigma-Aldrich (Merck)	74-90-8	H224,H300,H310,H330,H400,H410	0.00 L		6.1		I	Australia	English	CLP Hazar... Red Tag D...

6. Choose any of the Print , Download or Share buttons. Select the **Print button** to generate the hazards-all report.



- The "List" radio button  is the default selection from the print menu.
- Press  the **Submit** button to generate the report document in  format.



- Press  the **Print** , **Download (Save)**  buttons from the acrobat reader  to print or download report.


Print



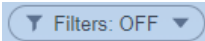
GetOperationResult 1 / 1

/ENTERPRISE/MANIFEST/Area

HAZARD	CAT NAME	CAS NUMBER	RED FLAG	VENDOR	HAZARD CODES	TAGS	VOLUME / WEIGHT	LANGUAGE	COUNTRY	DGC	PKG
3	Acetone	67-64-1	True	Wilmar BioEthanol (Sucrogen BioEthanol)	AUH066,H225,H319,H336	CLP Hazardous, Red Tag DG 3	0.0 L	English	Australia	3	II
3	acetone	67-64-1	False	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336		20.0 L	English	Australia	3	II
3	acetone	67-64-1	False	3M	AUH066,H225,H319,H336		40.0 L	English	Australia	3	II
3	Acetone, 99,8%, anhydrous (max. 0,005% H2O)	67-64-1	True	Scharlab	EUH066,H225,H319,H336	CLP Hazardous, Red Tag DG 3	50.0 L	English	Spain	3	II
1	Argon	7440-37-1	False	BOC (a division of Linde)	AUH044,H280		0.0 L	English	Australia	2.2	
1	argon	7440-37-1	False		H280,H333		0.0 L			2.2	None
4	Benzene	71-43-2	True	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	RestrictedCarcinogen, CLP Hazardous, Red Tag DG 3, NZ Regs	50.0 L	English	United Kingdom	3	
2	Chloric acid	7790-93-4	True	Sigma-Aldrich (Merck)	H272,H319	Chem Security, Ucar Extreme Hazchem, Red Tag DG 3	0.0 L	English	Australia	5.1	II

 Note that in this generated pdf report document, the hazard column has converted the hazard colour coded icons into the corresponding Chemwatch hazard rating number in each line item.














10. Click  the drop-down arrow  from the “Filters: OFF” button  and select the “No Hazards Filter” option to go back to the products list (this action closes the filter function).

### 2.3.1.2 Filter a Manifest List by Hazards-Specific Carcinogens







#### What are carcinogens?



Carcinogens are hazardous chemicals that can cause cancer due to the ability to damage the genome or disruption of cellular metabolic processes.

The following steps show ‘how to derive a specific hazard report for carcinogenic products within a Manifest folder. In order to achieve this activity, two tasks must be carried out;

Task	Action	Reason	Expectation
<b>Manifest Hazards Filter for Carcinogens</b> 	Users can filter  a list by hazard-specific carcinogens.	Filter  a manifest list of chemicals in any folder by a specific hazard type to Print  , Save  or Email  the report for the identification of carcinogenic chemicals in a location.	 Generally, users with access to Manifest can use the hazards filter
<b>Print, Save or Email Report</b> 	Users can Print  , Save  or Email  filtered out carcinogens list as a report document	Print carcinogenic chemicals list report Save carcinogenic chemicals list report Email  carcinogenic chemicals list	 Generally, users with access to Manifest can generate these reports.




In general, the hazards filtering can be achieved at any folder level.

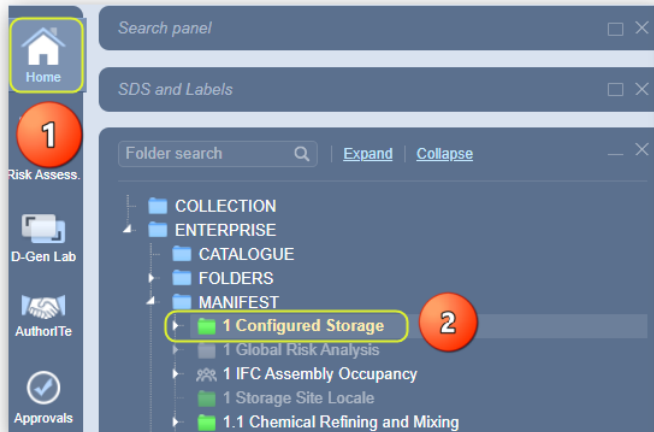
Designated icon	Folder Type	Filter at Folder Node Level	Folder Tree Node (s)
	<b>Area</b>	User can filter contents in the <b>Area</b> folder node under the manifest directory.	 Level 1
	<b>Section</b>	User can filter contents in the <b>Section</b> folder node under the parent Area.	 Level 2
	<b>Location</b>	User can filter contents in the <b>Location</b> folder node under the Section level.	 Level 3





In this worked example, the hazards-specific carcinogens filtering  will be carried out from the Area folder node  under the Manifest Directory.

## Steps: Filter by Hazards-Specific Carcinogens

Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode.



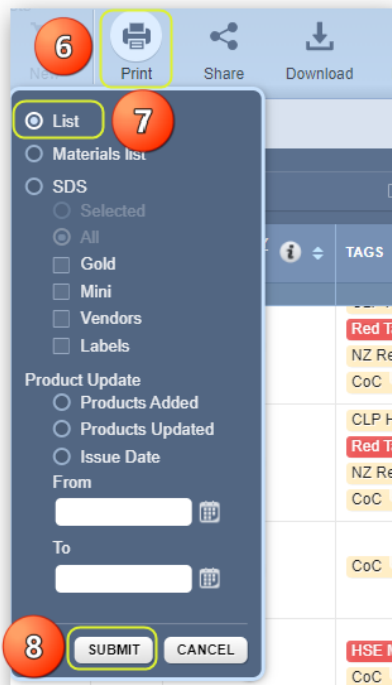
3. Click  the drop-down arrow  from the "Filters: OFF" button .
4. Select  the **Hazards-Specific Carcinogens** option from the hazard's filter menu.

	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL./WT CURRENT	MET	DG	S1	PKG
on Gold	71-55-6	Merck	H319,H332,H420	40.00 L		6.1		III
on VGD Gold	71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316 ,H319,H332,H420	0.00 L		6.1		III
HY VGD Gold	71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316 ,H319,H332,H420	0.00 L		6.1		III
Gold	80333-68-2	Sigma-Aldrich (Merck)	H350,H373,H400 ,H410	10.00 kg		7		None
VGD Gold	67-64-1	3M	H225,H319,H336	5000000.00 L		3		II
VGD Gold		AGR International	-	0.00 kg		None		None
Gold			H290,H302,H314 ,H318,H330,H334,H350,H360,H400,H410	0.00 kg		8		III

- Note that this list is filtered to show only those products that classified as **carcinogenic chemical products**. The hazard column displays the colour coded icon(s) as per hazard rating and the hazard statement column shows the hazard classification codes (H Codes as per GHS) for each line item. The filtered list show only 1 carcinogen identified.

TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE
		<a href="#">Benzene</a> Issue Date: 17/11/2016 Extraction Date: None	 Alfa Aesar (Avocado Research Chemicals, Ltd.)	71-43-2	H225, H304, H315, H319, H340, H350, H372	50.00 L		3		II	United Kingdom	English

- Choose any of the Print , save or email buttons. Select the **Print button** to generate the hazards-all report.
- The “List” radio button is the default selection from the print menu.
- Press the **Submit button** to generate the report document in format.



- Press the **Print** , **Download** buttons from the reader to print or download report.





Print


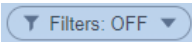
GetOperationResult 1 / 1

/ENTERPRISE/MANIFEST/Area

HAZARD	CAT NAME	CAS NUMBER	RED FLAG	VENDOR	HAZARD CODES	TAGS	VOLUME / WEIGHT	LANGUAGE	COUNTRY	DGC	PKG
4	Benzene	71-43-2	True	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	RestrictedCarcinogen, CLP Hazardous, Red Tag DG 3, NZ Regs	50.0 L	English	United Kingdom	3	II

06/11/2018 23:48:42


 Note that in this generated pdf  report document, the hazard column has converted the hazard colour coded icon into the corresponding Chemwatch hazard rating number for the line item. Close the print window.

10. Click  the drop-down arrow  from the “Filters: OFF” button  and select the “No Hazards Filter” option to go back to the products list (this action closes the Hazards Filter functionality).

### 2.3.1.3 Filter a Manifest List by Incompatibility Report













#### What is an Incompatibility Report?

##### Incompatibility Report







The “**Incompatibility Report**” is a summary of storage incompatibility based on Dangerous Goods Classification. Each chemical in a Manifest folder/store is checked in combination with all other chemicals for any incompatibilities. This logic includes all subsidiary nodes if the report is generated from a parent folder. The report provides segregation guidance notes for incompatible goods through an information icon tag . There are three primary categories used for the incompatibility conclusion.

- **Compatible** - chemicals can be stored together with other chemicals in store
- **Incompatibilities may exist** - provided the chemicals falls under the same class
- **Segregation** - chemicals must be separated by a specific distance apart from each other

The following steps illustrate 'how to derive a specific hazard report based on the incompatibilities of dangerous goods'. In order to achieve this activity, two tasks must be carried out.


Task	Action	Reason	Expectation
<b>Manifest Hazards Filter for Incompatibility Report</b> 	Users can filter  a list by Incompatibility Report	Filter  a manifest list of chemicals in any folder to Print  , Save  or Email  the report for the identification of incompatibilities of chemicals in a location.	 Generally, users with access to Manifest can use the hazards filter
<b>Print, Save or Email Report</b> 	Users can Print  , Save  or Email  filtered out Incompatibility Report document	Incompatibility Report provides details on storage distances for DG classes and compatibilities that may exist.	 Generally, users with access to Manifest can generate these reports.




In general, filtering materials can be achieved at any folder level.

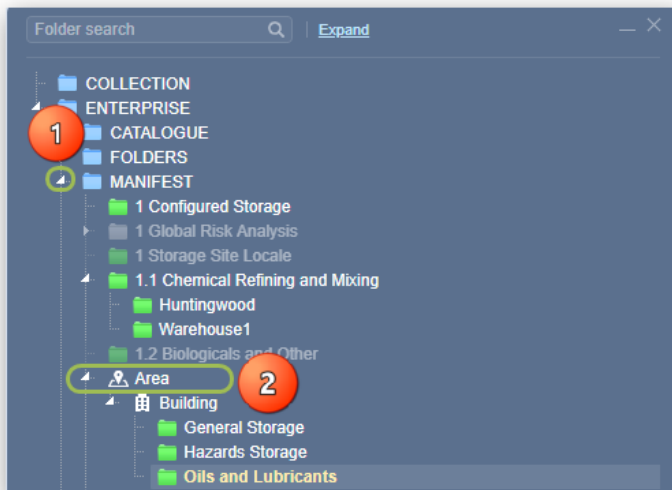
Designated icon	Folder Type	Filter at Folder Node Level	Folder Tree Node (s)
	<b>Area</b>	User can filter contents in the <b>Area</b> folder node under the manifest directory.	 Level 1
	<b>Section</b>	User can filter contents in the <b>Section</b> folder node under the parent Area.	 Level 2
	<b>Location</b>	User can filter contents in the <b>Location</b> folder node under the Section level.	 Level 3

In this worked example, the Incompatibility Report filtering  will be carried out from the Area folder node  under the Manifest Directory.

### Steps: Filter by Incompatibility Report

Open the **Home module**  (if it's not already the default module).





1. **Expand**  manifest directory nodes to view the folder location, e.g., the Area node at level 1 has been used in this worked example.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode.



- Click the Hazards drop down arrow from the "Hazards Filter" menu.
- Select the Incompatibility Report option from the hazard's filter menu.

CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	DG	SI	PKG
Acetone Issue Date: None Extraction Date: VGD Update in Progress	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	0.00 L		3		II
Acetone Issue Date: 03/09/2020 Extraction Date: 03/09/2020	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	500.00 L		3		II
Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018 Extraction Date: 12/11/2018	67-64-1	Scharlab	EUH066,H225,H319,H336	500.00 L		3		II
ARGON, COMPRESSED Issue Date: 13/09/2019 Extraction Date: 31/10/2019	7440-37-1	BOC (a division of Linde)	AUH044,H280	11594.20 kg		2.2		None
Benzene Issue Date: 25/01/2018 Extraction Date: 19/02/2020	71-43-2 1053658-43-7, 1173023-23-8, 174973-66-1, ... more	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	1000.00 L		3		II
DEMINERALISED WATER Issue Date: 02/02/2010 Extraction Date: None	7732-18-5	DuluxGroup	non-hazardous	80.00 L		None		None

- Note that this list is filtered to show only those products that are classified as dangerous. The filtered list is shown as an **Incompatibility Report**. The information icon provides the details on segregation, compatibility status.

6. Choose any of the **Print** , **save**  or **email**  buttons. **Select**  the **Print** button  to generate the Incompatibility report in  format. Note that the chemicals on the left are compared with those on the right, they are not just compared with the chemical on the same row.

You may also scroll further down the page to view supplementary notes for further reading.

**Supplementary notes**

- Class 2 dangerous goods are generally not recommended to be stored with any other class of dangerous goods particularly flammable dangerous goods due to the risk of flame impingement. Corrosive goods can cause damage to the gas cylinder walls and thus should be kept away from class 2. In a fire gas cylinders need to have copious quantities of water applied to keep them cool. Toxic gases are stored away from other gases to minimise the release of toxic gases in a fire with other gases.
- Two or more goods within the same class with incompatible subsidiary risk should be kept apart.
- The packing group (PG) of dangerous goods denotes the magnitude of danger the material poses from its hazard. PGI is most dangerous. PG II these are more dangerous than PG III. If one of the incompatible materials is a PGI or II dangerous goods it is recommended that a greater segregation distance or other means of segregation is employed.
- If one of the incompatible goods is a liquid OR a solid that is likely to melt from the heat of a fire, separate spill catchment systems or means of separating the incompatible goods must be considered. Solid dangerous goods should not be stored in direct contact with floor surface to avoid contact with liquids.
- Fire rated walls constructed of appropriate impervious, chemically resistant materials may be used if provided with an FRL of 240/240/240. Timber structures are not appropriate barriers.
- In the case of incompatible gases in cylinders intended for use in welding (such as acetylene and oxygen), these gases may be stored together in a purpose built cradle and separated when not in use for extended periods of time.

*Note: Each chemical on the left is compared with those on the right. They are not just compared with the chemical on the same row. Where it is indicated in the chart that goods of particular classification*

7. Press the **Print** , **Download** buttons from the reader to print or download report.

Note that in this generated pdf report document, the chemicals are compared with those on the right, they are not just compared with the chemicals on the same row. Click the close button on the top right-hand corner to close the print window. Click the **Back button** to go back to the products list.

### 2.3.1.4 Filter a Manifest List by Manifest Quantity Report



#### The Manifest Quantity Report

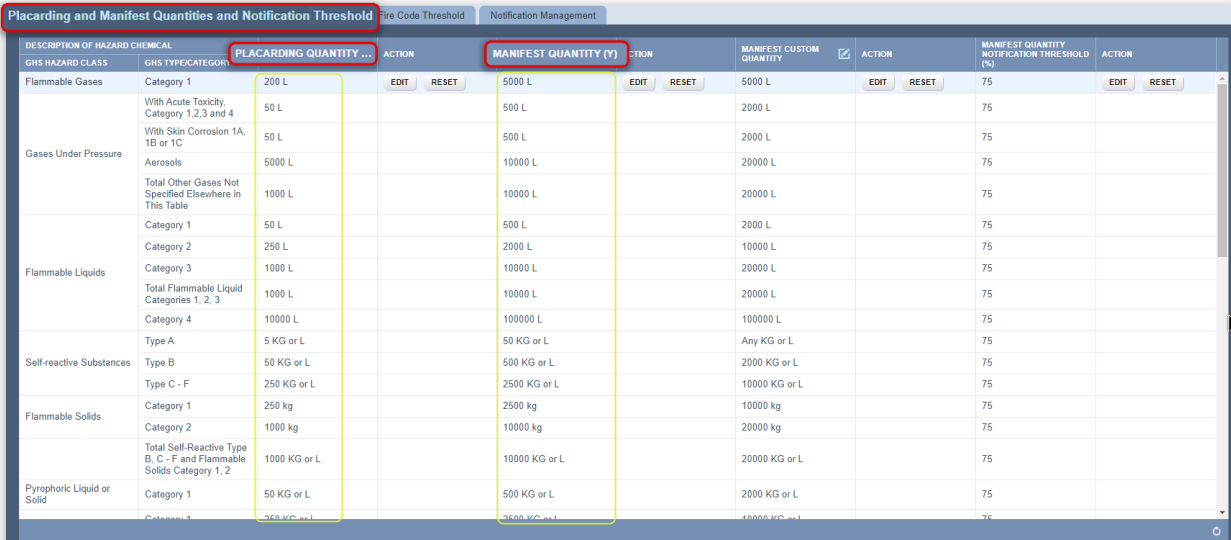
The WHS Regulations (Australia) require a PCBU to placard the workplace, prepare and notify the regulator where specified quantities of certain hazardous chemicals exceed threshold amount. The threshold amounts and types of hazardous chemicals are prescribed in **Schedule 11 of the WHS Regulations** (Australia).

The “Placarding and Manifest Requirements under the WHS Regulations” can be downloaded from the Safework website by clicking [here](#) for reference.

The system enables users to use the Manifest Quantity Report to simplify the process of monitoring your inventory and enhance the notification process for Australian Chemwatch clients while maintaining compliance with the requirements of Schedule 12; taking into consideration the quantities of hazardous chemicals and their notification thresholds specified in Schedule 11 of the WHS Regulations.

#### Manifest Settings (Dependent on User Privileges)

To access the manifest settings module, go to Settings  link and click on **Manifest Settings** . By default, the Manifest Settings mode will display the Placards Volume and Limits Rules’ tab, which will display a list of dangerous good classes and their respective volume limits (L, KG).





Placarding and Manifest Quantities and Notification Threshold										
DESCRIPTION OF HAZARDOUS CHEMICAL										
GHZ HAZARD CLASS	GHZ TYPE/CATEGORY	PLACARDING QUANTITY	ACTION	MANIFEST QUANTITY (Y)	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION	
Flammable Gases	Category 1	200 L	EDIT RESET	5000 L	EDIT RESET	5000 L	EDIT RESET	75	EDIT RESET	
	With Acute Toxicity, Category 1, 2, 3 and 4	50 L		500 L		2000 L		75		
Gases Under Pressure	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L		75		
	Aerosols	5000 L		10000 L		20000 L		75		
	Total Other Gases Not Specified Elsewhere in This Table	1000 L		10000 L		20000 L		75		
Flammable Liquids	Category 1	50 L		500 L		2000 L		75		
	Category 2	250 L		2000 L		10000 L		75		
	Category 3	1000 L		10000 L		20000 L		75		
	Total Flammable Liquid Categories 1, 2, 3	1000 L		10000 L		20000 L		75		
Self-reactive Substances	Category 4	10000 L		100000 L		100000 L		75		
	Type A	5 KG or L		50 KG or L		Any KG or L		75		
	Type B	50 KG or L		500 KG or L		2000 KG or L		75		
Flammable Solids	Type C - F	250 KG or L		2500 KG or L		10000 KG or L		75		
	Category 1	250 kg		2500 kg		10000 kg		75		
Pyrophoric Liquid or Solid	Category 2	1000 kg		10000 kg		20000 kg		75		
	Total Self-Reactive Type B, C - F and Flammable Solids Category 1, 2	1000 KG or L		10000 KG or L		20000 KG or L		75		
Pyrophoric Liquid or Solid	Category 1	50 KG or L		500 KG or L		2000 KG or L		75		
	Category 2	250 KG or L		2500 KG or L		10000 KG or L		75		

Manifest settings allow the administrator to set specific Manifest settings for the following Manifest related components.

Manifest Setting	Description	Compliance Related
<b>Placarding Volume Limits Rules</b>	Set the rule description of the Dangerous Goods Class (DGC) and Volume Limit (L or KG). Note that these can be customized to your country/jurisdictional arrangements.	Use your respective compliance thresholds for placarding requirements. By default, the DG Class and Volume Limits are for the Australian market.
<b>Manifest Limits and Notification Threshold</b>	The Manifest Limits and Notification Thresholds are set by default for GHS Hazard Class, GHS Type Category, Manifest Quantity and Manifest Quantity Notification Threshold (%).	If the Manifest Quantity Notification Threshold set at 75% is exceeded, the user can set up an automatic notification to be informed via email.
<b>International Fire Code (IFC) Threshold</b>	The IFC thresholds are set by default for the Hazard Category, Class, Physical State and Threshold (%).	The IFC Quantity Notification Threshold is set at 75% by default and if it is exceeded in your manifest inventory for specific hazard materials, the user can set up automatic notification to be informed by email.
<b>Notification Management</b>	The notification tab enables the ADM/SDM to create notifications that can be used to report when a hazard class is equal or higher than the threshold added on the IFC/NFPA notification.	When creating email notification(s), take into account the folder locations for the respective control areas that will be used for the notification(s).

## Manifest Limits and Notification Threshold

The Manifest Limits and Notification Threshold tab is where you can customise the Manifest Quantity values used to trigger the filter logic. The tab contains the threshold amounts and types of hazardous chemicals categories prescribed in Schedule 11 of the WHS Regulations, Australia. There are some settings that should be checked to ensure users can set these custom threshold quantities and receive the required reports and notifications, so your Chemwatch system knows which thresholds amounts to use as a reference for the filter.

To customise Manifest Limits and Notifications, go to the System Settings  and visit the 'Manifest Settings  module. There; you will see three tabs namely:

- Placarding and Manifest Quantities and Notification Threshold
- International Fire Code (IFC) Threshold or NFPA Threshold
- Notification Management.

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION
GHS HAZARD CLA...	GHS TYPE/CATEG...							
Flammable Gases	Category 1	200 L		5000 L		5000 L	75	
Gases Under Pressure	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L	75	
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L	75	
	Aerosols	5000 L		10000 L		20000 L	75	
	Total Other Gases Not Specified Elsewhere in This Table	1000 L		10000 L		20000 L	75	
	Category 1	50 L		500 L		2000 L	75	
	Category 2	250 L		2000 L		10000 L	75	

In the Placarding and Manifest Quantities and Notification Threshold tab, the user can adjust Manifest Quantities and Notification Thresholds.

**i** If a user needs to edit manifest quantities or thresholds, this function requires the privilege 'Edit Manifest Quantities and Notification Threshold' to be granted to a user though the user access settings Privileges tab on the right handside window. This privilege is assigned to the domain administrator by default. It can also be assigned to any person within your organisation by the administrator. Users without this privilege can see the Manifest Quantities and Notification Thresholds only if they have access to the Manifest Settings tab.

To set a new Manifest Quantity, simply click on the 'Edit' button next to the appropriate Hazard Category, add the new value and click on Save. After that, the filter will use the new saved value as a reference for the Hazard Category when the filter is run.

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)
GHS HAZARD CLA...	GHS TYPE/CATEG...						
Flammable Gases	Category 1	200 L	<b>EDIT</b> <b>RESET</b>	5000 L	<b>EDIT</b> <b>RESET</b>	5000 L	75
	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L	75

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)
GHS HAZARD CLA...	GHS TYPE/CATEG...						
Flammable Gases	Category 1	200 L		5000 L		5000 L	75
Gases Under Pressure	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L	75
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L	75
	Aerosols	5000 L		10000 L		20000 L	75

**Edit placarding quantity** ✕

Set placarding quantity for flammable gases (category 1)

**SAVE** **CANCEL**



Schedule 11 threshold values can be reinstated by clicking on the 'Reset' button next to the appropriate Hazard Category.

Also, in the same tab the user can adjust the Notification Threshold from 1 to 100 percent of the Manifest Quantity in order to be notified on the manifest grid by highlighting locations in yellow. The user can also set up a notification by email when the threshold exceeds the set percentage value. To change the Notification Threshold, click on the 'Edit' button next to the appropriate Manifest Quantity Notification Threshold, add the new value and click 'Save'. The default value is set at 75 percent and can be reinstated by clicking on the 'Reset' button next to the 'Edit' button.

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION
GHS HAZARD CLA...	GHS TYPE/CATEG...								
Flammable Gases	Category 1	200 L	EDIT RESET	5000 L	EDIT RESET	5000 L	EDIT RESET	75	EDIT
	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L		75	
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L		75	

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)
GHS HAZARD CLA...	GHS TYPE/CATEG...							
Flammable Gases	Category 1	200 L		5000 L		5000 L		75
	With Acute Toxicity, Category 1,2,3 and 4	50 L				2000 L		75
	With Skin Corrosion 1A, 1B or 1C	50 L				2000 L		75
Gases Under Pressure	Aerosols	5000 L				20000 L		75

**Edit threshold** [X]

Set threshold for flammable gases (category 1)

SAVE CANCEL

**i** To get the email notification, the user needs to set up the Email information, notification frequency and location in the Notification Management Tab.

## Notification Management

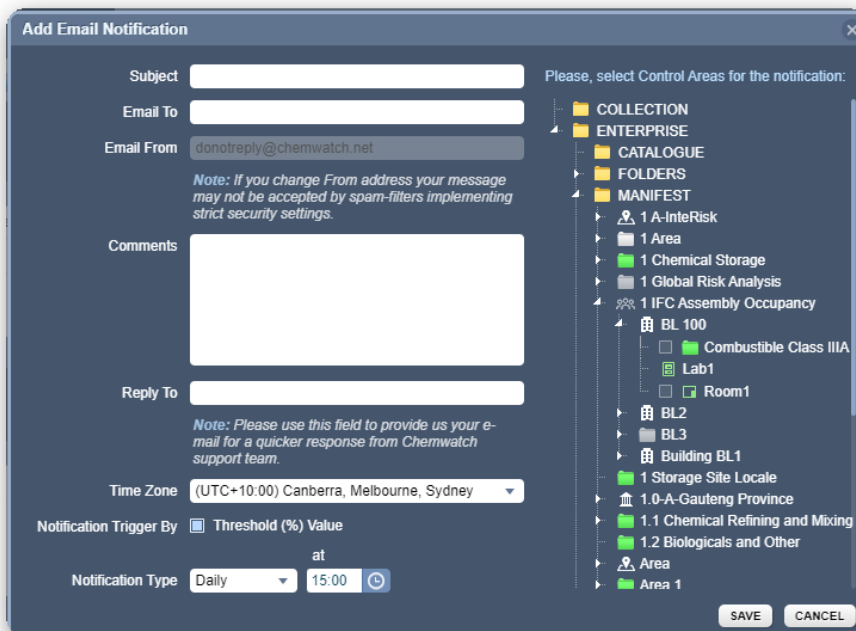
In the Notification Management tab, an email information, notification frequency and location (folder) where to run the filter can be set up. After that, the system will run the filter at the pre-set date and time and send a notification by email if the Quantity at Workplace is equal or more than the Threshold percentage previously setup for any Hazard category.

**i** To be able to set up an email notification, the user first needs to be assigned the privilege '**Access to Manifest Email Notification**', found in the User Settings. The privilege will be assigned to the domain administrator by default and can be assigned to any other user by the administrator of the system. Users without this privilege can see the list of email notifications only if they have access to the Manifest Settings tab.



To set up an Email Notification, click the “Add” button. Enter the details required and select your notification types (i.e., frequency and time). Note that only one notification can be sent per hour from the drop-down menu. The text entered into the ‘Subject’ field will be used as the notification file name.

If these notifications need to be sent to multiple users; simply add them all to the ‘Email To’ field and separating each email address with a comma (,). Once completed, click the ‘Save’ button.



Now your entry will appear in the notification window. To edit or delete the notification, hover your mouse pointer over the Action column and select the appropriate action option.

Placarding and Manifest Quantities and Notification Threshold				International Fire Code Threshold		Notification Management	
IFC EMAIL NOTIFICATIONS							
ADD							
SUBJECT	TYPE	USER	ACTION				
IFC Notification for Control Area	Weekly	Administrator	EDIT DELETE				
IFC	Weekly	Administrator					

## Custom Manifest Quantities

The system provides a Custom Manifest Quantity setting option to allow users (with applicable filter settings privilege granted) to set limits above those in Schedule 11 to monitor the inventory in parallel with the Manifest Quantity Report filter when it is run from the Manifest Hazards Filter menu. The preset limits follow the Fire Protection Quantities for Victoria (Australia). However, the user can adjust them based on organisational or business compliance requirements.

To customise these values, use the 'Filter Settings' mode and select the 'Manifest Custom Quantity' checkbox as shown below and save changes.

The screenshot shows the 'Manifest Settings' configuration page. The 'Global' tab is active. The 'Manifest Custom Quantity' checkbox is checked and highlighted with a red box. Other settings include:

- Show Part Number:
- Latest Documents Only:
- Copy User Part Number to latest SDS:
- Hide Gold SDS:
- Show only Gold SDS:
- Show Preferred Names:
- Show document straight away:
- One click autocomplete:
- Show name when only VGD is available:
- Group searched materials by CW number:
- Country: Any country
- Language: Any language
- Source type: [Dropdown]
- Type: SDS
- SDS Format: GHS
- Manifest Custom Quantity:

After the checkbox is selected, the system will activate an extra set of columns in the Placarding and Manifest Quantities and Notification Threshold tab on the Manifest Settings.


To customise the threshold, go to the System Settings and press the Manifest Settings module button, then click on the **Placarding and Manifest Quantities and Notification Threshold** tab.

Use the **Manifest Custom Quantity** columns to adjust the following rules and monitor the output when generating the reports.

- Volume/weight values for the respective GHS Hazard Class/GHS Type/Category
- Manifest Quantity Notification Threshold (%) values

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION
GHS HAZARD CLA...	GHS TYPE/CATEG...								
Flammable Gases	Category 1	200 L		5000 L		5000 L		75	
Gases Under Pressure	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L		75	
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L		75	
	Aerosols	5000 L		10000 L		20000 L		75	

 Users can see the extra columns only if they have been granted access to the Manifest Settings tab.

In the Placarding and Manifest Quantities and Notification Threshold tab, there's an edit button  that can be used to **rename** the new column.

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION
GHS HAZARD CLA...	GHS TYPE/CATEG...								
Flammable Gases	Category 1	200 L		5000 L		5000 L		75	
Gases Under Pressure	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L		75	
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L		75	
	Aerosols	5000 L		5000 L		20000 L		75	

**Edit Manifest Custom Quantity h... X**

Please input new header name

**SAVE** **CANCEL**

Once the Manifest Custom Quantity header has been renamed, the new name will be reflected everywhere in the system.

DESCRIPTION OF HAZARD CHEMICAL		PLACARDING QUA...	ACTION	MANIFEST QUANT...	ACTION	MANIFEST CUSTOM QUANTITY	ACTION	MANIFEST QUANTITY NOTIFICATION THRESHOLD (%)	ACTION
GHS HAZARD CLA...	GHS TYPE/CATEG...								
Flammable Gases	Category 1	200 L		5000 L		5000 L		75	
Gases Under Pressure	With Acute Toxicity, Category 1,2,3 and 4	50 L		500 L		2000 L		75	
	With Skin Corrosion 1A, 1B or 1C	50 L		500 L		2000 L		75	
	Aerosols	5000 L		5000 L		20000 L		75	

**Edit Manifest Custom Quantity h... X**

Please input new header name

**SAVE** **CANCEL**

VICTORIA FIRE PROTECTION QUANTITY	ACTION	MAP (%)
5000 L	EDIT RESET	50
2000 L		75
2000 L		75
20000 L		75
20000 L		75

In this example, the former Manifest Custom Quantity name header has been updated to the Victoria Fire Protection Quantity with values in a similar fashion for the Manifest Quantity values.

**i** Note that by default, the quantities in this column are set to the Victoria Fire Protection Quantities. However, if the quantities are changed, they can be reinstated by clicking on the 'Reset' button next to the appropriate Hazard Category.

Once all filter settings have been set up, users (with the granted respective privilege) can run the **Manifest Quantity Report filter** in Hazards Filter feature in the Manifest module. This filter will provide users with the ability to generate materials that meet the Manifest Quantity rules set. Upon generating the list of materials based on this criterion, the information will be displayed on the screen and be able generate a Manifest Quantity report of those results.

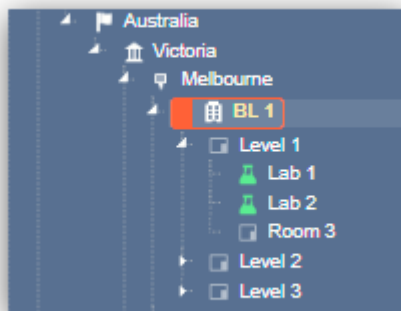
### Running the Manifest Quantity Report Filter

The Manifest Quantity Report filter can be run from the Manifest module toolbar's Hazards Filter menu to generate the appropriate data and create these reports from your Manifest in the Home module. First, select the required Manifest Facility Area folder/location from the folder tree. Then, click the Filters drop-down menu on Home Module and select 'Manifest Quantity Report' from the list.

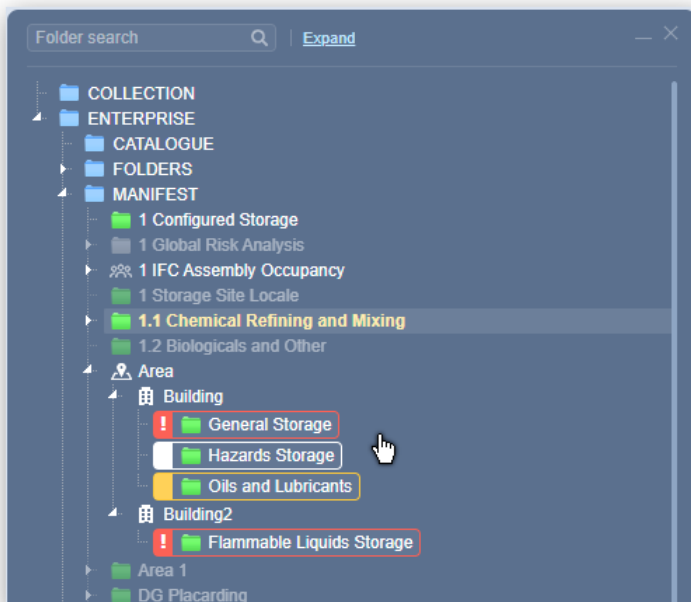
The screenshot shows the EMERITUS software interface. In the top toolbar, the 'Manifest Quantity Report' filter is selected. The main window displays a list of materials under the heading 'MANIFEST > 1 Configured Storage'. The list includes columns for 'DESCRIPTION OF HAZARD CHEMICAL', 'GHS HAZARD CLASS', 'GHS TYPE-CATEGORY', 'OG CLASS', 'SUBROK', 'PKG', and 'QUANTITY AT WORKPLACE (X)'. A summary table at the bottom provides totals for various hazard categories.

DESCRIPTION OF HAZARD CHEMICAL	GHS HAZARD CLASS	GHS TYPE-CATEGORY	OG CLASS	SUBROK	PKG	QUANTITY AT WORKPLACE (X)
Flammable Liquids	Category 2		3	N/A	II	43.0 L
acetone-D6						25.0 L
acetone						10.0 L
Benzene						8.0 L
<b>Summary Table:</b>						
Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3		Total	N/A	N/A	43.0 L
Acute Toxicity	Category 1		6.1	N/A	I	0.726744 L
Acute Toxicity	Category 3		6.1	N/A	III	62.534 kg
Acute Toxicity	Total Acute Toxicity		Total	N/A	N/A	63.034 kg
Skin Corrosion	Category 1 B		8	N/A	II	19.564516 kg
	Total Skin Corrosive and Corrosive to Metals		Total	N/A	N/A	19.564516 kg

In your folder tree, you will notice that the selected folder will be highlighted:


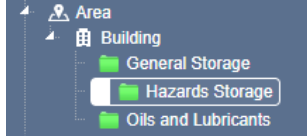


The colour-coding of the folder and grid represents the aggregate value of hazard categories within a given location.



It easily helps you to identify critical locations and provides insight into the type of hazardous chemicals found in that particular folder/location to make informed decisions in relation to local inventory with respect to organisational or business requirements.

The folder colour coding rules are summarised in the table below.

Folder Colour	Description	Folder Tree Panel View
<b>White</b> 	Folder is a designated Manifest Facility Area (MFA), but quantities are below notification threshold amounts.	
<i>Manifest Quantity Report grid – White folder contents view</i>		

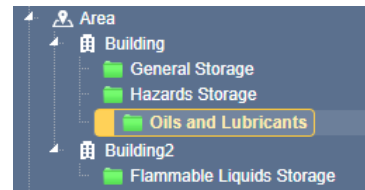
Folder Colour	Description	Folder Tree Panel View
---------------	-------------	------------------------

DESCRIPTION OF HAZARD CHEMICAL		DG CLASS	SUBRISK	PKG	MANIFEST QUANTITY (Y)	MANIFEST CUSTOM QUANTITY	QUANTITY AT WORKPLACE (X)	MANIFEST NOTIFICATION REQUIRED	MANIFEST CUSTOM QUANTITY OVERREACHED
GHS HAZARD CLASS	GHS TYPE/CATEGORY								
Flammable Liquids	Category 2	3	N/A	II	2500 L	10000 L	50.0 L	No	No
TRACK MATERIAL NAME		VOL / WT							
<input type="checkbox"/>	<input type="checkbox"/>	Benzene	50.0 L						
Items per page 10 1 - 1 of 1 items									
Flammable Liquids	Category 3	3	N/A	III	10000 L	20000 L	270.0 L	No	No
Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	10000 L	20000 L	320.0 L	No	No

**Yellow**



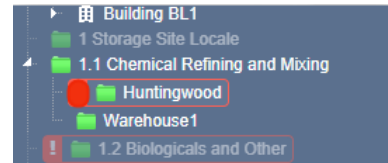
Folder is a designated MFA, and quantities are above the notification threshold amounts, but below quantities specified in Schedule 11.



**Red**



Folder is a designated MFA and quantities are equal or above the Schedule 11 amounts.



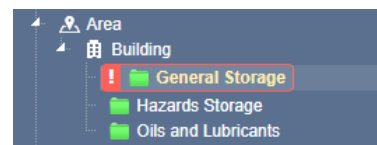
*Manifest Quantity Report grid – Red folder contents view*

DESCRIPTION OF HAZARD CHEMICAL		DG CLASS	SUBRISK	PKG	QUANTITY AT WORKPLACE (X)
GHS HAZARD CLASS	GHS TYPE/CATEGORY				
Flammable Liquids	Category 2	3	N/A	II	70.0 L
TRACK MATERIAL NAME		VOL / WT			
<input type="checkbox"/>	<input type="checkbox"/>	acetone	40.0 L		
<input type="checkbox"/>	<input type="checkbox"/>	Benzene	30.0 L		
Items per page 10 1 - 2 of 2 items					
Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	70.0 L
Acute Toxicity	Category 1	6.1	N/A	I	5000.0 L
Acute Toxicity	Total Acute Toxicity	Total	N/A	N/A	5000.0 L

**Red with Exclamation Mark**



Folder is not designated as an MFA but has quantities of a hazardous material of any class above zero.



*Manifest Quantity Report Grid – Red folder (with exclamation mark) contents view*

DESCRIPTION OF HAZARD CHEMICAL		DG CLASS	SUBRISK	PKG	QUANTITY AT WORKPLACE (X)
GHS HAZARD CLASS	GHS TYPE/CATEGORY				
Flammable Gases	Category 1	2.1(except aerosols)	N/A	N/A	70640.1766 L
Gases Under Pressure	Aerosols	2.1, 2.2 and 2.3	N/A	N/A	8.0 L
Flammable Liquids	Category 2	3	N/A	II	340.0 L
Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	340.0 L
Skin Corrosion	Category 1 C	8	N/A	III	80.0 L
	Total Skin Corrosive and Corrosive to Metals	Total	N/A	N/A	80.0 L

## Viewing the Manifest Quantity Report

After running the filter, the highlighted folder(s), where you require a report, contain(s) hazardous chemicals based on the manifest quantity rules. The detailed list of these hazardous chemicals will get displayed on the Manifest Quantity Report grid when the highlighted folder (with colour code) is selected as shown in the folder colour code descriptions' table above. The filter generates two types of reports - the one you see is dependent on the classification of the folder/location as a Manifest Facility area or Non-Manifest Facility Area.

**Manifest Facility Area Folder:** When creating a report on a folder designated as a Manifest Facility Area (MFA) and it is highlighted (i.e., red, yellow or white folders), your report will show the status of your inventory in relation to the Manifest Quantities set in Schedule 11:

DESCRIPTION OF HAZARD CHEMICAL	GH5 HAZARD CLASS	GH5 TYPE/CATEGORY	DG CLASS	SUB/RSK	PKG	MANIFEST QUANTITY (Y)	VICTORIA FIRE PROTECTION QUANTITY	QUANTITY AT WORKPLACE (X)	MANIFEST NOTIFICATION REQUIRED	VICTORIA FIRE PROTECTION QUANTITY OVERREACHED
Flammable Gases	Category 1		2.1 (except aerosols)	N/A	N/A	5000 L	5000 L	3.0 L	No	No
Gases Under Pressure	With Acute Toxicity, Category 1, 2, 3 and 4		2.3	N/A	N/A	500 L	2000 L	500.0 L	Yes	No
Gases Under Pressure	With Skin Corrosion 1A, 1B or 1C		2*	8	N/A	500 L	2000 L	500.0 L	Yes	No
Gases Under Pressure	Aerosols		2.1, 2.2 and 2.3	N/A	N/A	10000 L	20000 L	8510.0 L	No	No
Gases Under Pressure	Total Other Gases Not Specified Elsewhere in This Table		2.2	N/A	N/A	10000 L	20000 L	88.0 L	No	No
Self-reactive Substances	Type B		4.1	N/A	N/A	500 KG or L	2000 KG or L	80.0 L	No	No
	Total Self-Reactive Type B, C - F and Flammable Solids Category 1, 2		Total	N/A	N/A	10000 KG or L	20000 KG or L	80.0 L	No	No
Organic Peroxides	Type A		Goods Too Dangerous To Be Transported (GTD/TBT)	N/A	N/A	50 KG or L	0 KG or L	50.0 kg	Yes	Yes
Organic Peroxides	Type B		5.2	N/A	N/A	500 KG or L	2000 KG or L	200.0 L	No	No
Organic Peroxides	Total Organic Peroxides Type B, C - F		Total	N/A	N/A	10000 KG or L	20000 KG or L	200.0 L	No	No
Unstable Chemicals	Unstable Chemicals		Goods Too Dangerous To Be Transported (GTD/TBT)	N/A	N/A	50 KG or L	0 KG or L	50.0 kg	Yes	Yes

**i** To be able to see the placarding diamonds applicable to the drawn report, the domain needs to have the transport module and the appropriate privileges assigned. Users without the privilege cannot see the Placards diamonds. For more information, contact our [sales@chemwatch.net](mailto:sales@chemwatch.net) to discuss more about the Transport (4PL) package.

The Manifest Quantity Report will also let users know the status of any of the hazard classes in relation to the manifest quantities specified in schedule 11 independently.

DESCRIPTION OF HAZARD CHEMICAL	GH5 HAZARD CLASS	GH5 TYPE/CATEGORY	DG CLASS	SUB/RSK	PKG	MANIFEST QUANTITY (Y)	VICTORIA FIRE PROTECTION QUANTITY	QUANTITY AT WORKPLACE (X)	MANIFEST NOTIFICATION REQUIRED	VICTORIA FIRE PROTECTION QUANTITY OVERREACHED
Flammable Gases	Category 1		2.1 (except aerosols)	N/A	N/A	5000 L	5000 L	3.0 L	No	No
Gases Under Pressure	With Acute Toxicity, Category 1, 2, 3 and 4		2.3	N/A	N/A	500 L	2000 L	500.0 L	Yes	No
Gases Under Pressure	With Skin Corrosion 1A, 1B or 1C		2*	8	N/A	500 L	2000 L	500.0 L	Yes	No
Gases Under Pressure	Aerosols		2.1, 2.2 and 2.3	N/A	N/A	10000 L	20000 L	8510.0 L	No	No


The report will let you know if a manifest notification is required when any of the hazard class is equal or exceed the Manifest quantity:

MANIFEST QUANTITY (Y)	VICTORIA FIRE PROTECTION QUANTITY	QUANTITY AT WORKPLACE (X)	MANIFEST NOTIFICATION REQUIRED
5000 L	5000 L	3.0 L	No
500 L	2000 L	500.0 L	Yes
500 L	2000 L	500.0 L	Yes
10000 L	20000 L	8510.0 L	No



Also, the report shows whether Manifest Custom Quantities (renamed as Victoria Fire Protection Quantity) have been overreached when any of the hazard class is equal to, or exceed, the custom quantities set up by the user.

MANIFEST QUANTITY (Y)	VICTORIA FIRE PROTECTION QUANTITY	QUANTITY AT WORKPLACE (X)	MANIFEST NOTIFICATION REQUIRED	VICTORIA FIRE PROTECTION QUANTITY OVERREACHED
5000 L	5000 L	3.0 L	No	No
500 L	2000 L	500.0 L	Yes	No
500 L	2000 L	500.0 L	Yes	No
10000 L	20000 L	8510.0 L	No	No

 To make both custom quantities columns available on your screen and reports the Manifest custom Quantity checkbox need to be selected. For more details, review this section's topic above "Custom Manifest Quantities".

**Non-Manifest Facility Area Folder:** If the folder is not a Manifest Facility Area and it contains goods of any DG Class with a volume or weight above zero. The report will display the information as depicted in the image below.

DESCRIPTION OF HAZARD CHEMICAL		DG CLASS	SUBRISK	PKG	QUANTITY AT WORKPLACE (X)
GHS HAZARD CLASS	GHS TYPE/CATEGORY				
▶ Flammable Liquids	Category 1	3	N/A	I	4838.745547 L
▶ Flammable Liquids	Category 2	3	N/A	II	16715.69359 L
▶ Flammable Liquids	Category 3	3	N/A	III	253435.973452 L
▶ Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	274990.412589 L
▶ Flammable Liquids	Category 4	Combustible Liquids (flash point < 93°C)	N/A	N/A	561681.540496 L
▶ Self-reactive Substances	Type A	Goods Too Dangerous To Be Transported (GTD/TBT)	N/A	N/A	50.0 L
▶ Self-reactive Substances	Type B	4.1	N/A	N/A	2200.0 L
▶ Self-reactive Substances	Type C - F	4.1	N/A	N/A	67350.0 kg
▶ Flammable Solids	Category 1	4.1	N/A	II	29750.0 kg
▶ Flammable Solids	Category 2	4.1	N/A	III	233900.0 kg
▶ Flammable Solids	Total Self-Reactive Solid Type B, C - F and Flammable Solids Category 1, 2	Total	N/A	N/A	326200.0 kg
▶ Unstable Chemicals	Unstable Chemicals	Goods Too Dangerous To Be Transported (GTD/TBT)	N/A	N/A	50.0 L

In this instance, the report displays just the chemicals that are Dangerous Goods and which have volumes/weights greater than zero.

**Keeping and Sharing Reports:** Your Manifest Quantity Reports can be printed, shared or downloaded using the buttons at the top right of the screen:

Manifest Quantity Report | Ingredients | Materials | Dashboard | Print | Share | Download

**Print:** Either save as a PDF or Print a copy of your report

**Share:** Send your report as an XLXS file via email

**Download:** Download to view or save an XLXS version of your report.



MANIFEST OF HAZARDOUS CHEMICALS															
Business Name:						Emergency Contacts:									
Address of Premise (s):						Name:		Position:		Telephone:					
Date of Preparation: 9/07/2019															
Building Name: BL 1															
Manifest Facility Area: BL 1															
Item	Description of Hazard Chemicals		DG Class	Subrisk	PKG	Material Name	Proper Shipping Name	Un Number	Manifest Quantity (Y)	Victoria Fire Protection Quantity	Quantity At Workplace (X)	Quantity At Workplace Unit	Manifest Notification Required	Victoria Fire Protection Quantity Overreached	
1	Flammable Gases	Category 1	2.1 (except aerosols)	N/A	N/A	acetylene	ACETYLENE, DISSOLVED	1001	5000.0 L	5000.0 L	3.0	L	No	No	
2			Total	N/A	N/A				5000.0 L	5000.0 L	3.0	L	No	No	
3	Gases Under Pressure	With Acute Toxicity, Category 1, 2, 3 and 4	2.3	N/A	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0 L	2000.0 L	500.0	L	Yes	No	
4			Sub-Total	N/A	N/A				500.0 L	2000.0 L	500.0	L	Yes	No	
5		With Skin Corrosion 1A, 1B or 1C	2.*	8	N/A	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0 L	2000.0 L	500.0	L	Yes	No
6				Sub-Total	8	N/A				500.0 L	2000.0 L	500.0	L	Yes	No
8		Aerosols	2.1, 2.2 and 2.3	N/A	N/A	Plasti-Kote Tempo 7-6889, 7-6889-A Zinc Chromate Primers	AEROSOLS	1950	10000.0 L	20000.0 L	8500.0	L	No	No	
8						Galmet Cold Galvanising Aerosol***OBSOLETE***	Aerosols, flammable	1950	10000.0 L	20000.0 L	10.0	L	No	No	
9						Total	N/A	N/A				10000.0 L	20000.0 L	8510.0	L
10		Total Other Gases Not Specified Elsewhere in This Table	2.2	N/A	N/A	trifluorochloroethane	1-CHLORO-2,2,2-TRIFLUOROETHANE	1983	10000.0 L	20000.0 L	3.0	L	No	No	
10						octafluoropropane	OCTAFLUOROPROPANE	2424	10000.0 L	20000.0 L	50.0	L	No	No	
10						dichlorofluoromethane	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	1029	10000.0 L	20000.0 L	5.0	L	No	No	
10	dichlorofluoromethane					DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	1029	10000.0 L	20000.0 L	10.0	L	No	No		

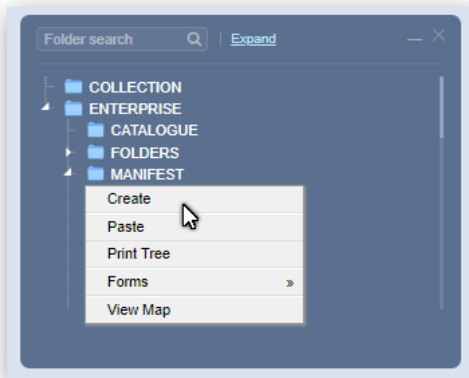
### 2.3.1.4.1 How to use the Manifest Quantity Report Filter

The steps below show how to use the Manifest Quantity Report filter to generate the appropriate report.

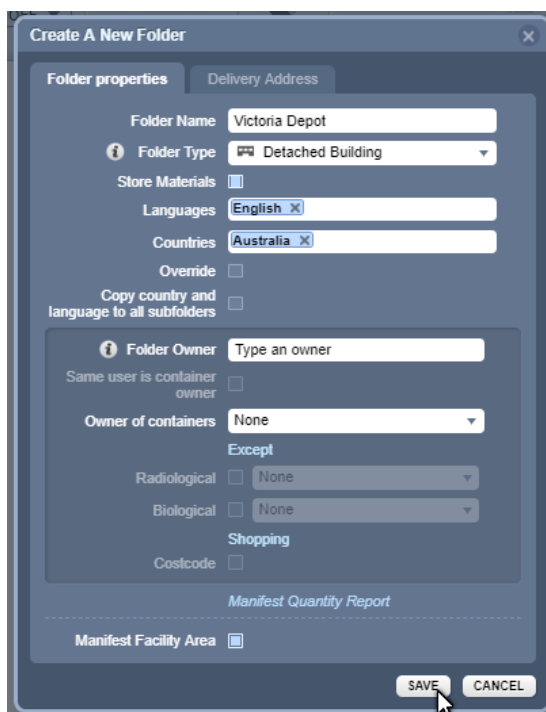
#### Steps: Filter Hazardous Chemicals by Manifest Quantity Report


1. First, we need to set up a folder/store that reflects your physical chemical storage location/s.

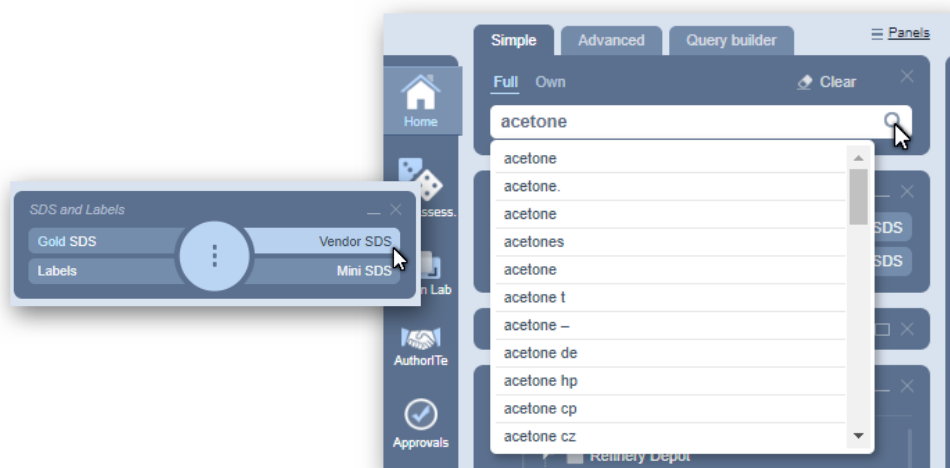
To do this, go to the Home module and right click  on  Directory, then choose the 'Create' option from the context menu to create a Manifest folder/store.



2. Enter the **name of your folder** (store), as well as additional details such as the type of storage area it is and finally check the box that it is a **Manifest Facility Area** if required:



3. Click  the **Save** button to finalise adding your new folder/store and return to the main screen.
4. Next, ensure you have applicable SDS for all the chemicals in your physical storage area. You can find SDS for your chemicals by using the search panel at the top left of the screen. First make sure you have selected '**Vendor SDS**' in the SDS and labels panel, then type your search term into the search box.



- Click **Search** and then choose your document(s) from the panel on the right. Utilise the vendor, language and country filters to find the correct SDS.

Search Full - Name/CAS/CW: acetone

About 943 results (4.974 seconds)

Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	L
	acetone	123	1090	67-64-1	Automatic ...		Multiple	M
	Acetone	123	4607-30				Multiple	M
	ACETONE	123	47-7861				Australia	E
	ACETONE	123	44-5107				Australia	E
	ACETONE	123	8122-59				Multiple	M
	ACETONE	123	01-0020				Australia	E
	Acetone	123	6546-77				Multiple	M

Grouping by CW number

Document Type

Gold 1921  Vendor 620

Vendors

Sigma-Aldrich (Merck) 1231

Alfa Aesar (part of Thermo Fisher Scientific Australia Pty Ltd) 131

- Right-click** on the document name (you can first use the checkboxes to select multiple documents at the same time), and select 'Copy'.



Search Full - Name/CAS/CW: acetone

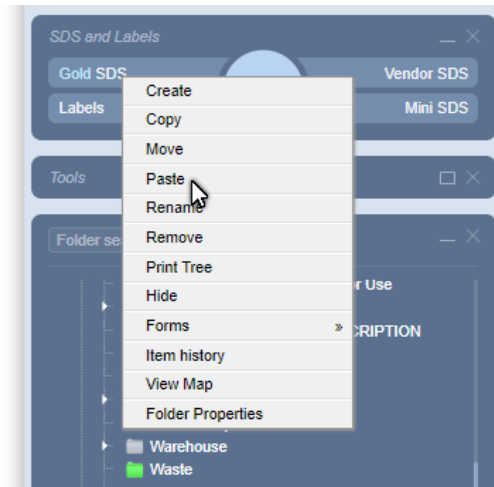
About 2070 results (2.813 seconds)



Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag	Country	L
	Acetone	123	50-1604				Multiple	M
	acetone	123	1090	67-64-1	Red Tag D...	CLP Hazar...	Multiple	M
	Acetone	123	5-4454				Australia	E
	ACETON	123	566-24				Multiple	M
	Acetone	123	87138				Australia	E
	ACETON	123	5-5107				Australia	E
	Acetone	123	191				Multiple	M
	ACETON	123	22-59				Multiple	M
	ACETON	123	29887				Australia	E
	Acetone	123	107-30				Multiple	M
	thioacet	123	101-46	4756-05-2			Multiple	M
	Hichem	123	3-0085				Multiple	M

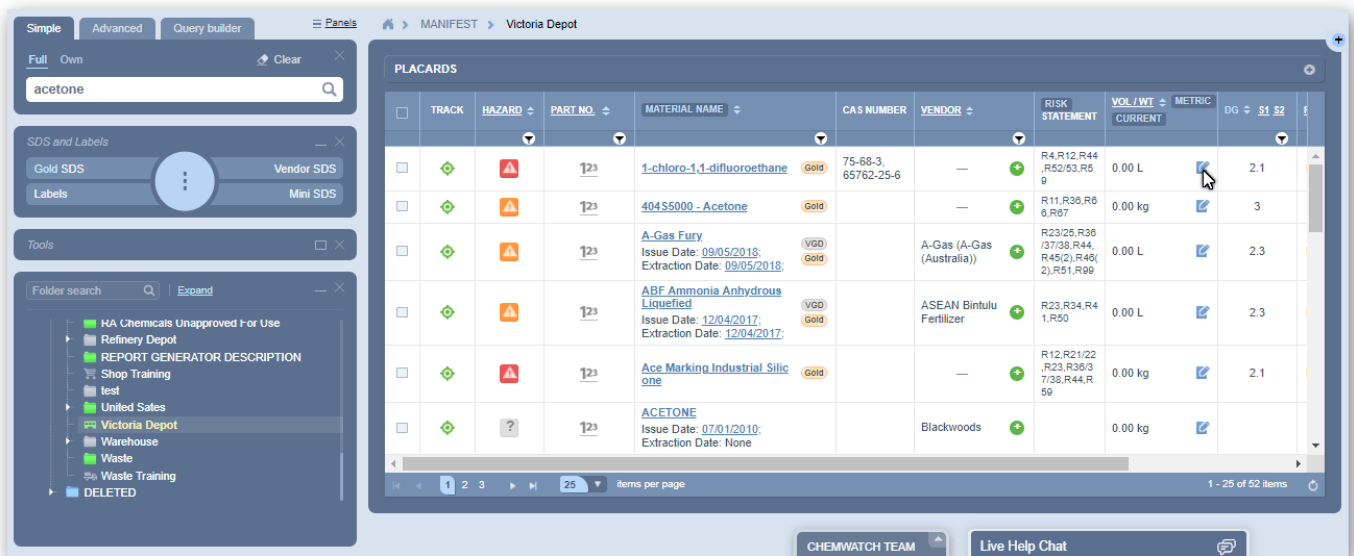
Context menu options:

- Send to Approval
- Copy
- Move
- Remove
- Paste
- Preferred vendor
- Ingredients In
- Ingredients In Folder
- Forms
- Notes
- Add to In tray
- Add part number
- Report Type

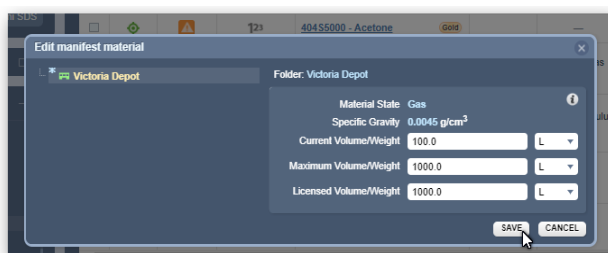
7. Right click  on the folder/store you just created and then click  **Paste**. This action will copy the selected document/s into your folder.





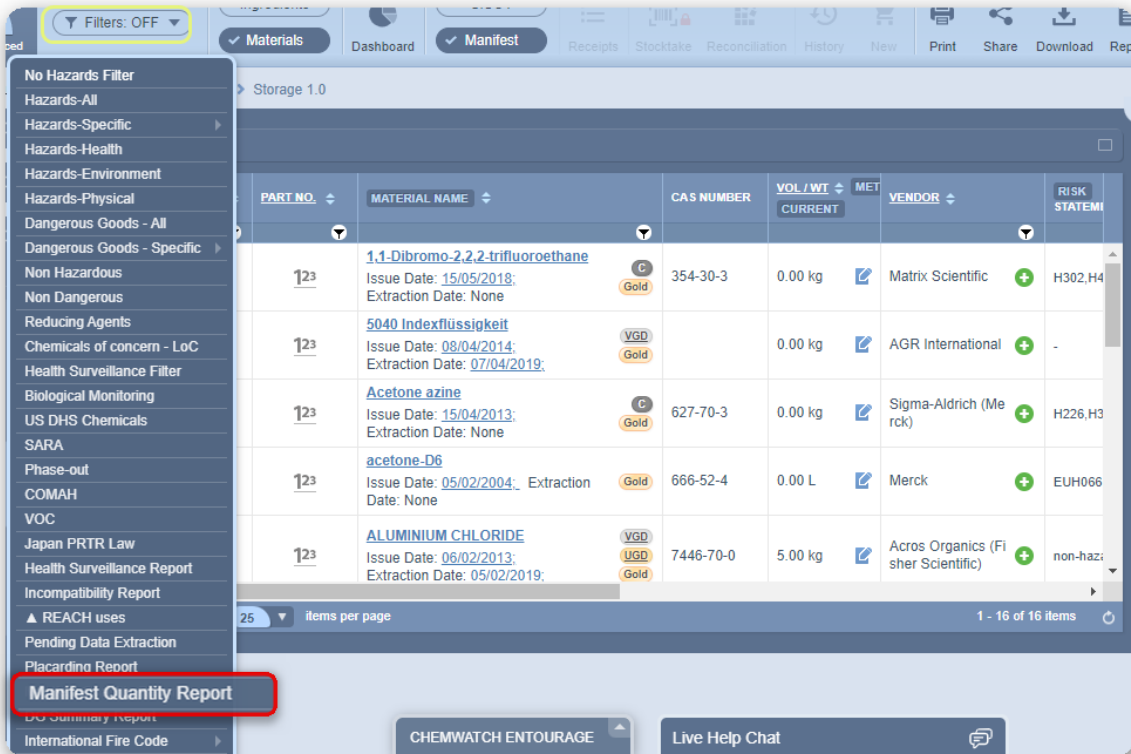
8. Repeat steps 6 and 7 until all required SDS documents have been added to the folder. Click  on the folder to view all the materials.
9. Add **Volume/Weight** for each line item by using the edit icon next to the Volume/Weight value. Click  on the edit icon to open the edit material window.



10. Type in the required **Volume/Weight** for each of the categories; Current, Maximum, Licensed. Assign the appropriate units if required depending on the material physical state.




- Click  **Save** to submit data and return to the main screen. Repeat steps 9 and 10 for all required chemicals.
- To run the Manifest Quantity Report filter, click on the **Hazards Filter** button. Filters: OFF
- Select  the **Manifest Quantity Report** from the drop-down list filter options.



- A message will be prompted to select any highlighted folder on the tree structure to view the Manifest Quantity Report details.




You will notice applicable folders will be highlighted, providing quick visual identification by use of folder colour coding on whether they are a designated Manifest Facility Area and whether they contain hazardous chemicals requiring Manifest notification.

- Click  on the folder (highlighted) to view the **Manifest Quantity Report**

DESCRIPTION OF HAZARD CHEMICAL		DG CLASS	SUBRISK	PKG	MAXIMUM QUANTITY AT WORKPLACE (X)
GHS HAZARD CLASS	GHS TYPE/CATEGORY				
▶ Flammable Liquids	Category 2	3	N/A	II	10000223.0 L
▶ Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	10000223.0 L
▶ Flammable Liquids	Category 4	Combustible Liquids (flash point < 93°C)	N/A	N/A	877192.982456 L
▶ Substances Which in Contact With Water Emit Flammable Gas	Category 1	4.3	N/A	I	0.04 L
▶ Substances Which in Contact With Water Emit Flammable Gas	Total Substances Which in Contact With Water Emit Flammable Gas Category 1, 2 and 3	Total	N/A	N/A	0.04 L
▶ Acute Toxicity	Category 1	6.1	N/A	I	0.726744 L
▶ Acute Toxicity	Category 3	6.1	N/A	III	89.334 kg
▶ Acute Toxicity	Total Acute Toxicity	Total	N/A	N/A	89.834 kg
▶ Skin Corrosion	Category 1 B	8	N/A	II	127.096774 kg
▶ Skin Corrosion	Category 1 C	8	N/A	III	1000000.0 kg
▶ Corrosive to Metals	Category 1	8	N/A	III	1000000.0 kg
▶	Total Skin Corrosive and Corrosive to Metals	Total	N/A	N/A	1000127.096774 kg

16. Use the **Print, Share or Download** button at the top right of the screen to print, email or save the document.

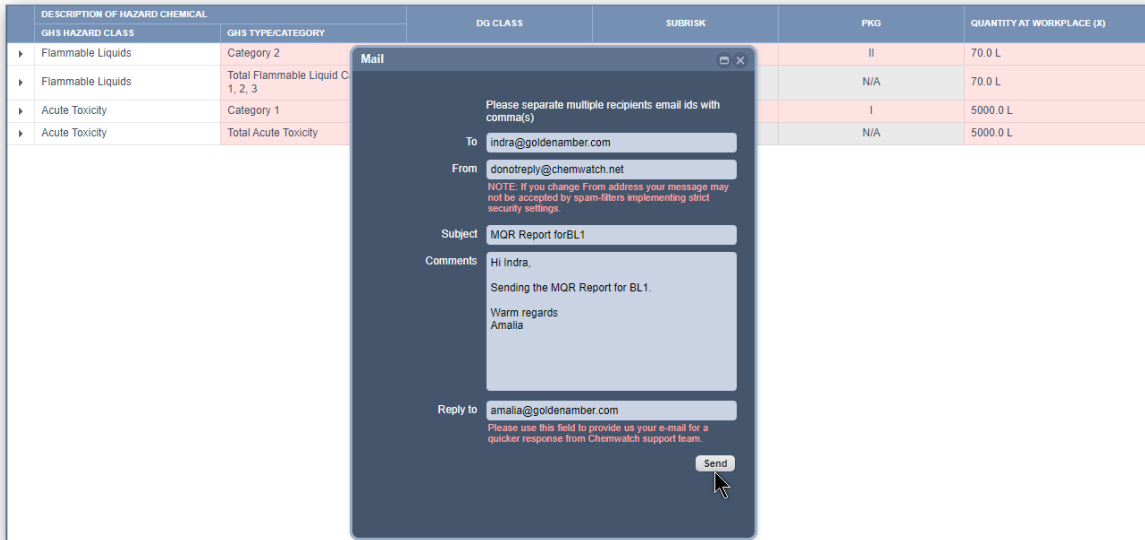
The screenshot shows a software interface with a navigation bar at the top. On the right side of the bar, three icons are highlighted with a red box: a printer icon labeled 'Print', a share icon labeled 'Share', and a download icon labeled 'Download'. Below the navigation bar, there is a breadcrumb trail 'MANIFEST > 1 Configured Storage' and a table with hazard chemical data, identical to the one in the previous image.

**Print Reports:** Choose to print a paper copy of your report, or save it as a PDF with this option: To print the report, click the **'Print'**  button.

The screenshot shows a 'Print' window titled 'GetOperationResult' with a page indicator '1 / 4'. In the top right corner, the 'Print' and 'Download' icons are highlighted with a red box. The main content is a report titled 'MANIFEST OF HAZARDOUS CHEMICALS' which contains a detailed table with columns for Item, Description of Hazard Chemicals, DG Class, Subrisk, PKG, Material Name, Proper Shipping Name, Un Number, Maximum Quantity at workplace (X), and Maximum Quantity at workplace Unit. The table lists various chemical categories and specific substances like Benzene and Acetone.

**Save Report:** Choose to save the report as a PDF by using the download button in the print window as shown above.

- To email an XLSX version of the report this report, click the **Share** button and enter the appropriate information to send the report via email.



- Download Reports:** Download an XLSX version of the report.

To save this report to an external drive or desktop, click the 'Download' button. A sample report is shown below.

MANIFEST OF HAZARDOUS CHEMICALS																
Business Name: _____							Emergency Contacts:									
Address of Premise (s): _____							Name: _____			Position: _____		Telephone: _____				
Date of Preparation: 9/07/2019																
Building Name: BL 1																
Manifest Facility Area: BL 1																
Item	Description of Hazard Chemicals		DG Class	Subrisk	PKG	Material Name	Proper Shipping Name	Un Number	Manifest Quantity (Y)	Victoria Fire Protection Quantity	Quantity At Workplace (X)	Quantity At Workplace Unit	Manifest Notification Required	Victoria Fire Protection Quantity Overreached		
	GHS Hazard Class	GHS Type/Category														
1	Flammable Gases	Category 1	2.1 (except aerosols)	N/A	N/A	acetylene	ACETYLENE, DISSOLVED	1001	5000.0 L	5000.0 L	3.0	L	No	No		
2			Total	N/A	N/A				5000.0 L	5000.0 L	3.0	L	No	No		
3	Gases Under Pressure	With Acute Toxicity, Category 1, 2, 3 and 4	2.3	N/A	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0 L	2000.0 L	500.0	L	Yes	No		
4			Sub-Total	N/A	N/A				500.0 L	2000.0 L	500.0	L	Yes	No		
5			With Skin Corrosion 1A, 1B or 1C	2.*	8	N/A	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0 L	2000.0 L	500.0	L	Yes	No
6					Sub-Total	8	N/A				500.0 L	2000.0 L	500.0	L	Yes	No
8	Gases Under Pressure	Aerosols	2.1, 2.2 and 2.3	N/A	N/A	Plasti-Kote Tempo 7-8889, 7-8899-A Zinc Chromate Primers	AEROSOLS	1950	10000.0 L	20000.0 L	8500.0	L	No	No		
8						Galmet Cold Galvanising Aerosol***OBSELETE***	Aerosols, flammable	1950	10000.0 L	20000.0 L	10.0	L	No	No		
9						Total	N/A	N/A				10000.0 L	20000.0 L	8510.0	L	No
10	Total Other Gases Not Specified Elsewhere in This Table	2.2	N/A	N/A	trifluorochloroethane	1-CHLORO-2,2,2-TRIFLUOROETHANE	1983	10000.0 L	20000.0 L	3.0	L	No	No			
10					octafluoropropane	OCTAFLUOROPROPANE	2424	10000.0 L	20000.0 L	50.0	L	No	No			
10					dichlorodifluoromethane	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 21)	1029	10000.0 L	20000.0 L	5.0	L	No	No			
10					dichlorodifluoromethane	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 21)	1029	10000.0 L	20000.0 L	10.0	L	No	No			






MANIFEST OF HAZARDOUS CHEMICALS													
Item	Description of Hazard Chemicals	DG Class	Subrisk	PKG	Material Name	Proper Shipping Name	Un Number	Manifest Quantity (Y)	Victoria Fire Protection Quantity	Quantity At Workplace (X)	Quantity At Workplace Unit	Manifest Notification Required	Victoria Fire Protection Quantity Threshold
Business Name:								Emergency Contacts:					
Address of Premise (s):								Name:	Position:		Telephone:		
Date of Preparation:		10/07/2019											
Building Name:		BL 1											
Manifest Facility Area:		BL 1											
1	Flammable Gases	2.1 (except aerosols)	N/A	N/A	acetylene	ACETYLENE, DISSOLVED	1001	5000.0L	5000.0L	3.0	L	No	No
2		Total	N/A	N/A				5000.0L	5000.0L	3.0	L	No	No
3		2.3	N/A	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0L	2000.0L	500.0	L	Yes	No
4		Sub-Total	N/A	N/A				500.0L	2000.0L	500.0	L	Yes	No
5		2*	8	N/A	boron trifluoride	BORON TRIFLUORIDE	1008	500.0L	2000.0L	500.0	L	Yes	No
6		Sub-Total	8	N/A				500.0L	2000.0L	500.0	L	Yes	No
8					Plasti-Kote Tempo 7-6889, 7-6889-A 2zinc Chromate Primers	AEROSOLS	1950	10000.0L	20000.0L	8500.0	L	No	No
8		2.1, 2.2 and 2.3	N/A	N/A	Galmet Cold Galvanizing Aerosol**"OBSOLETE"	Aerosols, Flammable	1950	10000.0L	20000.0L	10.0	L	No	No
9		Total	N/A	N/A				10000.0L	20000.0L	8510.0	L	No	No
10					trifluorochloroethane	1-CHLORO-2,2,2-TRIFLUOROETHANE	1993	10000.0L	20000.0L	3.0	L	No	No
10					octafluoropropane	OCTAFLUOROPROPANE	2424	10000.0L	20000.0L	50.0	L	No	No
10					dichlorofluoromethane	DICHLOROFLUOROMETHANE (REFRIGERANT GAS	1029	10000.0L	20000.0L	5.0	L	No	No
10					dichlorofluoromethane	DICHLOROFLUOROMETHANE (REFRIGERANT GAS	1029	10000.0L	20000.0L	10.0	L	No	No
10								10000.0L	20000.0L	68.0	L	No	No
10		Total	N/A	N/A				10000.0L	20000.0L	68.0	L	No	No

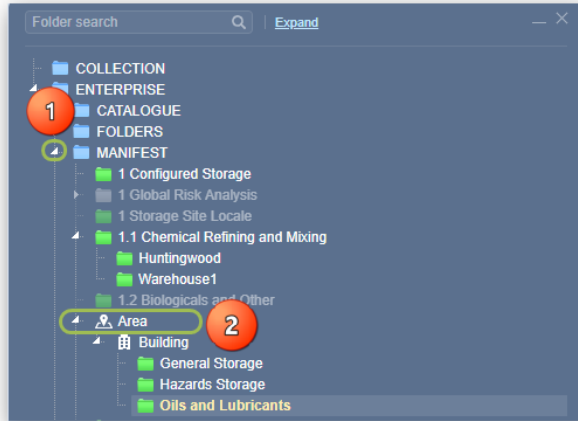
### 2.3.1.5 Filter a Manifest List by Placarding Report

A new **Placarding Report** has been developed to enable users identify the Dangerous Goods pictograms that are applicable to a selected storage folder/location. Users can also apply the filters to analyse the chemical inventory where the filter functionality will display the applicable Dangerous Goods pictogram(s) on the screen where any of the placarding quantities have been exceeded. The report also contains a Dangerous Goods Summary (DGS) section that will provide complementary information about Dangerous Goods classes and their placarding limits in accordance with the Model Work Health and Safety Regulations Schedule 11 framework. This report can be exported in PDF or XLSX format from the print, share or download menus. Users may also download the "Placarding and Manifest Requirements under the WHS Regulations from the Safework Australia website by clicking [here](#) for reference. For other jurisdictions/countries, refer to your respective local requirements. If unsure, contact us at [helpdesk@chemwatch.net](mailto:helpdesk@chemwatch.net).

#### Steps: Filter Hazardous Chemicals by Placarding Report

Open the **Home module**  (if it's not already the default module).

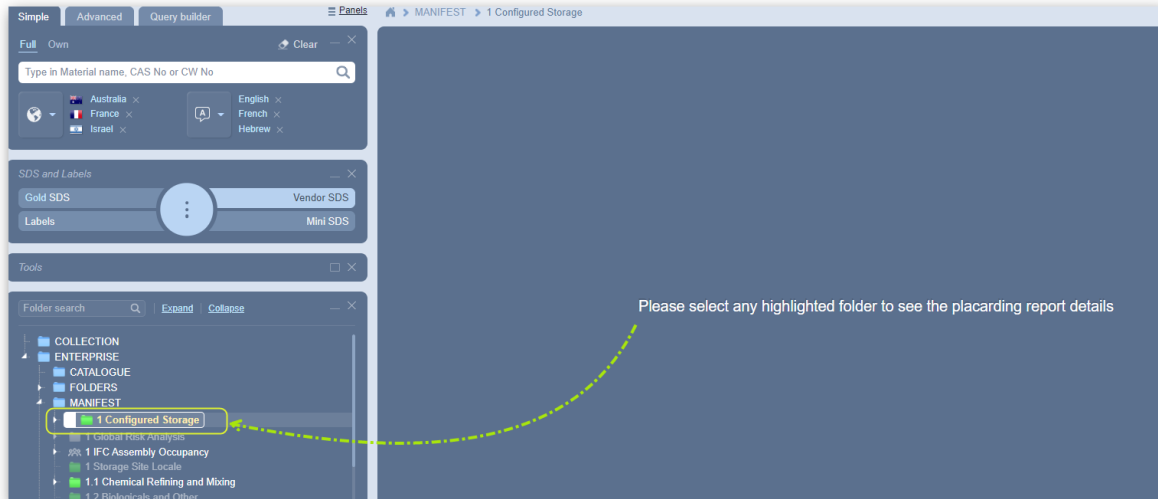
1. **Expand**  manifest directory nodes to view the folder location.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode in this worked example.



3. Click the Hazards drop down arrow from the “Hazards Filter” menu Filters: OFF.
4. Select the Placarding Report option from the drop-down list.

CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL./WT	MET	DG	S1	PKG	REGULATORY BURDEN	TAGS
1.1.1-Trichloroethane Issue Date: 15/01/2020. Extraction Date: 22/11/2020.	VGD Gold 71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316,H319,H332,H420	0.00 L		6.1		III		CL, R, N, Cc
1.1.1-trichloroethane	Gold 71-55-6	—	H319,H332,H420	0.00 mL		6.1		III		CL, R, N, Cc
1.1.1-Trichloroethane for synthesis Issue Date: 01/05/2015. Extraction Date: None	Gold 71-55-6	Merck	H319,H332,H420	40.00 L		6.1		III		CL, R, N, Cc
1.1.1-TRICHLOROETHANE, ANHYDROUS, 99.5% Issue Date: 15/01/2020. Extraction Date: VGD Update in Progress	VGD Gold 71-55-6	Sigma-Aldrich (as MiliporeSigma, Merck)	H303,H313,H316,H319,H332,H420	0.00 L		6.1		III		CL, R, Cc
2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C Issue Date: 23/08/2006. Extraction Date: None	Gold 80333-68-2	Sigma-Aldrich (Merck)	H350,H373,H400,H410	10.00 kg		7		None		R, Cc
3M(TM) Scotch Weld(TM) 胶漆 AC79, 无铅 Issue Date: 26/08/2019. Extraction Date: VGD Update in Progress	VGD Gold 67-64-1	3M	H225,H319,H336	5000000.00 L		3		II		CL, R, Cc
5040 Indexflusigkeit Issue Date: 08/04/2014. Extraction	VGD	AGR International	-	0.00 ka		None		None		Cc

5. Select the folder (highlighted) to load the respective Placarding Report for details.



- The system will generate the DG Class pictograms, DG class, GHS category, Placarding Quantity and Manifest Quantity based on the materials within the designated folder.

Placards identified

	DESCRIPTION OF HAZARD CHEMICAL	PLACARDING QUANTITY (Y)	MAXIMUM QUANTITY AT WORKPLACE (X)		
	DG CLASS PICTOGRAM	DG CLASS (PKG)	GHS TYPE/CATEGORY		
		Flammable Liquid (II)	Category 2	250 L	10000373 L
		Flammable Liquid (I,II,III)	Total Flammable Liquid Categories 1, 2, 3	1000 L	10000373 L
		Combustible Liquid (N/A)	Category 4	10000 L	877306.62 L
	4.3	Dange	Category 1	50 L	4.00e-2 L
	Total	Dange	Total Substances Which in Contact With Water Emit Flammable Gas Category 1, 2 and 3	1000 L	4.00e-2 L
	5.1	Oxidiging Agent (II)	Category 2	250 kg	13.77 kg
	Total	Oxidiging Agent (I, II, III)	Total Oxidising Liquids or Solids	1000 kg	13.77 kg
	6.1	Toxic (I)	Category 1	50 L	7.27e-1 L
	6.1	Toxic (III)	Category 3	1000 kg	89.33 kg
	Total	Toxic (I, II, III)	Total Acute Toxicity	1000 kg	89.83 kg
	8	Corrosive (II)	Category 1 B	250 kg	127.1 kg







Press the arrow to expand and view chemical name

- Press the arrow to expand row and view chemical name(s) and maximum amount(s).

DESCRIPTION OF HAZARD CHEMICAL				
DG CLASS PICTOGRAM	DG CLASS (PKG)	GHS TYPE/CATEGORY	PLACARDING QUANTITY (Y)	MAXIMUM QUANTITY AT WORKPLACE (X)
	Flammable Liquid (II)	Category 2	250 L	10000373 L
	Flammable Liquid (I,II,III)	Total Flammable Liquid Categories 1, 2, 3	1000 L	10000373 L

TRACK	MATERIAL NAME	MAXIMUM VOL / WT
<input type="checkbox"/>	BENZENE, 99.9+%, HPLC GRADE	8 L
<input type="checkbox"/>	Chemtools Acetone	10000190 L
<input type="checkbox"/>	acetone-D6	25 L
<input type="checkbox"/>	Acetone	150 L

8. Choose any of the **Print** , **save**  or **email**  buttons. **Select**  the **Print** button  to generate the Incompatibility report in pdf  format.

Placarding Report | Ingredients | Dashboard | SISOT | Manifest | Receipts | Stocktake | Reconciliation | History


MANIFEST > 1 Configured Storage

DESCRIPTION OF HAZARD CHEMICAL				
DG CLASS PICTOGRAM	DG CLASS (PKG)	GHS TYPE/CATEGORY	PLACARDING QUANTITY (Y)	MAXIMUM QUANTITY AT WORKPLACE (X)
	Flammable Liquid (II)	Category 2	250 L	10000373 L
	Flammable Liquid (I,II,III)	Total Flammable Liquid Categories 1, 2, 3	1000 L	10000373 L

TRACK	MATERIAL NAME	MAXIMUM VOL / WT
<input type="checkbox"/>	BENZENE, 99.9+%, HPLC GRADE	8 L
<input type="checkbox"/>	Chemtools Acetone	10000190 L
<input type="checkbox"/>	acetone-D6	25 L
<input type="checkbox"/>	Acetone	150 L

1 10 items per page 1 - 4 of 4 items

9. Press  the **Print** , **Download**  buttons from the pdf  to print or download report.

**PLACARDING REPORT**

Location: /ENTERPRISE/MANIFEST/1 Configured Storage

Placarding Required:

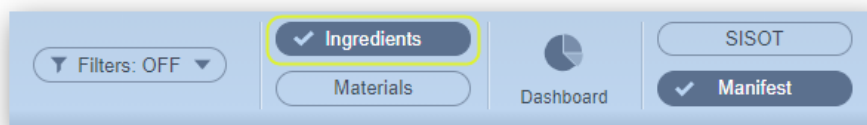
**Dangerous Goods Summary**

Description of Hazard Chemicals			Placarding Quantity (Y)	Maximum Quantity at Workplace (X)
DG Class Pictogram	DG Class (PKG)	GHS Type/Category		
	Flammable Liquid (II)	Category 2	250 L	10000373 L
	Flammable Liquid (I,II,III)	Total Flammable Liquid Categories 1, 2, 3	1000 L	10000373 L

### 2.3.2 Manifest Ingredients Filter

#### Materials/Ingredients in Manifest Toolbar

**Materials** button in the Manifest Toolbar is set to be default view of chemical names in any list. Selecting the Ingredients button will automatically filter all ingredients and generate a list of material ingredients.



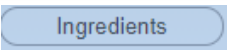
In this worked example, the Materials/Ingredients filtering will be carried out from the Area folder node under the Manifest directory.

#### Steps: Filter by Switching Materials to Ingredients

Open the **Home** module (if it's not already the default module).

1. **Expand** Manifest Directory node to view the folder location, e.g., Area node at level 1.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name view mode.





- Click the “Ingredients” button  list material names with corresponding hazard statement codes (as per the classification of the materials) and Volume/Weight.







HAZARD	TRACK	CAT NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL / WT CURRENT	MET	DG	S1	PKG	REGULATORY BURDEN
		1.1.1-TRICHLOROETHANE, ANHYDROUS, 99.5% Issue Date: 15/01/2020. Extraction Date: VGD Update in Progress	71-55-6	Sigma-Aldrich (as MilliporeSigma, Merck)	H303,H313,H316,H319,H332,H420	0.00 L		6.1		III	
		2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C Issue Date: 23/08/2006. Extraction Date: None	80333-68-2	Sigma-Aldrich (Merck)	H350,H373,H400,H410	10.00 kg		7		None	
		3M(TM) Scotch-Weld(TM) 胶涂 AC79, 无色 Issue Date: 26/08/2019. Extraction Date: VGD Update in Progress	67-54-1	3M	H225,H319,H336	5000000.00 L		3		II	
		5040 Indexflüssigkeit Issue Date: 08/04/2014. Extraction Date: 07/04/2019.		AGR International	-	0.00 kg		None		None	
		ABC Blackener UPC No. 45910. 45911 Issue Date: 02/08/2007. Extraction Date: None			H290,H302,H314,H318,H330,H334,H350,H360,H400,H410	0.00 kg		8		III	
		ABOUND 400 HERBICIDE Issue Date: 02/08/2007. Extraction Date: None		DowDuPont	-	0.00 L					
		ABOUND 400 HERBICIDE Issue Date: 21/08/2012. Extraction Date: 31/10/2017.		DowDuPont	-	250.00 L		None		None	

The **Manifest Ingredients** mode is now active. Ingredients information is presented for the Materials with the respective GHS classification Hazard Codes (representing Hazard Statements) and Volume/Weight (Current Volume/Weight is the default view).

<input type="checkbox"/>	MATERIAL NAME	HAZARD STATEMENT	VOL / WT METRIC CURRENT
▶ <input type="checkbox"/>	acetone	AUH066, H225, H319, H336	3930336.8605 kg
▶ <input type="checkbox"/>	water	non-hazardous	205.9503 kg
▶ <input type="checkbox"/>	2,4-dichlorophenoxyacetic acid isopropylamine salt	H302, H312, H315, H317, H318, H332, H335, H351, H411	157.5 kg
▶ <input type="checkbox"/>	coal tar pitch	H350	133.0 kg
▶ <input type="checkbox"/>	coal tar pitch volatiles	H336, H340, H350, H360, H400, H410	133.0 kg
▶ <input type="checkbox"/>	diesel	AUH066, H227, H304, H315, H336, H351, H411	99.0 kg
▶ <input type="checkbox"/>	esomeprazole sodium	H317, H412	79.2 kg
▶ <input type="checkbox"/>	1,1,1-trichloroethane	H319, H332, H420	50.384 kg
▶ <input type="checkbox"/>	acetone-D6	AUH066, H225	19.355 kg
▶ <input type="checkbox"/>	2,2',5,5'-tetrachlorobiphenyl-yl-14C	H350, H373, H400, H410	9.8 kg

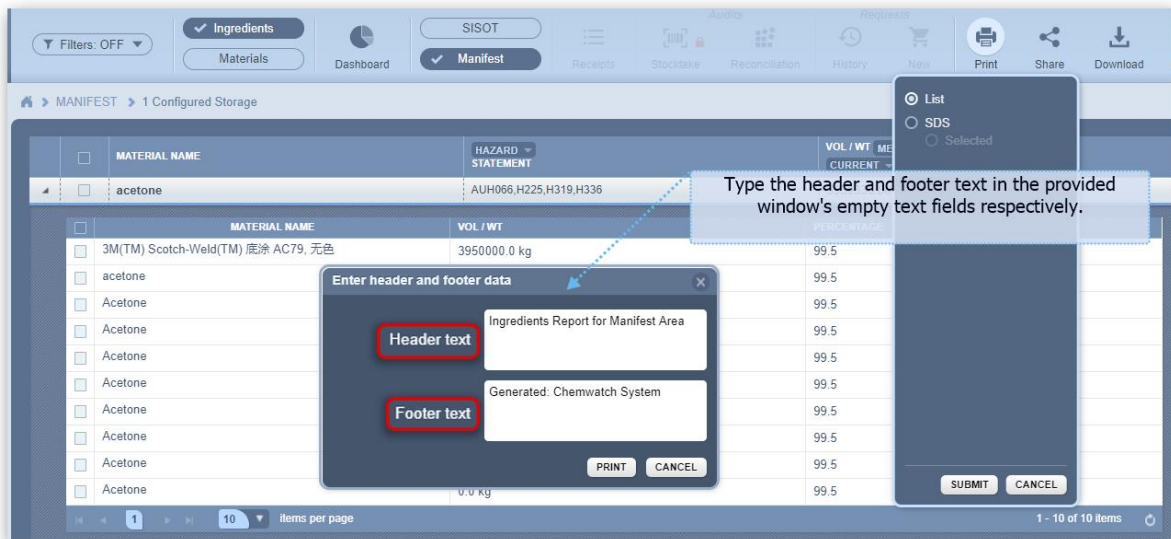
4. Select  the **Expand arrow for each row** to view the ingredients components. The ingredients mode is now active. Ingredients information is presented for each material through the expand  icon alongside each material. This information is presented with the exact ingredients material name, Volume/Weight and the respective percentage composition.

<input type="checkbox"/>	MATERIAL NAME	HAZARD STATEMENT	VOL / WT METRIC CURRENT
<input type="checkbox"/>	acetone	AUH066, H225, H319, H336	3930336.8605 kg
<input type="checkbox"/>	MATERIAL NAME	VOL / WT	PERCENTAGE
<input type="checkbox"/>	3M(TM) Scotch-Weld(TM) 底漆 AC79, 无色	3950000.0 kg	99.5
<input type="checkbox"/>	acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	39.5 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
<input type="checkbox"/>	Acetone	0.0 kg	99.5
▶ <input type="checkbox"/>	water	non-hazardous	205.9503 kg
▶ <input type="checkbox"/>	2,4-dichlorophenoxyacetic acid isopropylamine salt	H302, H312, H315, H317, H318, H332, H335, H351, H411	157.5 kg
▶ <input type="checkbox"/>	coal tar pitch	H350	133.0 kg
▶ <input type="checkbox"/>	coal tar pitch volatiles	H336, H340, H350, H360, H400, H410	133.0 kg

5. Click ,  (Email) or  (Save)  button to generate the report in pdf  format.
6. The **List radio button**  is preselected by default.
7. Press the **Submit** button to generate the report.



8. Enter the **header and footer text** to be generated with the pdf document/report and press the print button.



9. Use the pdf  **Print**  or **Download**  button to generate document.







Print

GetOperationResult 1 / 1

INGREDIENT NAME	HAZARD CODES	VOLUME / WEIGHT
kerosene	H315, H336, H304	225.25 kg
acetone	H319, H336, AUH066	86.4655 kg
benzene	H315, H319, H340, H350, H336, H372, H304	43.90605 kg
L-alanine		35.0 kg
argon	AUH044	0.0 kg
chloric acid	H319	0.0 kg
diethylene glycol monobutyl ether	H319, AUH019	0.0 kg
ethylene glycol monobutyl ether	H302, H312, H332, H315, H319, AUH018, AUH019	0.0 kg
hydrogen cyanide	H300, H310, H410	0.0 kg
water		0.0 kg

07/11/2018 01:14:20

 Note that in this generated pdf  report document, the chemicals are compared with those on the right, they are not just compared with the chemicals on the same row. Click the close button  on the top right-hand corner to close the print window. Click  the Materials button from the manifest toolbar to go back to the products list.

### 2.3.3 Manifest Dashboard

#### Manifest Dashboard

- Use widgets to generate statistical and graphical representation of data
- Edit layout
- Select Date

#### Dashboard Widgets

Add widgets;

- Weight by Dangerous Goods Class (KG)
- Number of Chemicals Per Dangerous Goods Class
- Weight of Chemicals Per Packing group (KG)
- Number of Chemicals Per Packing Group

Add widgets;

- Weights and Counts of Chemicals
- Volume by Hazard Category
- Weights by Hazard Category
- Materials with Max Volume defined vs All Materials

#### What is a Manifest Dashboard?

A **Dashboard** is a simplified quicker way of accessing real-time data through widgets. A widget is a component of the system or app's user interface that enables users to quickly drive specific information or data. The information is drawn from the database and can be displayed as statistical data, graphs, pie charts and tables.

#### Recap

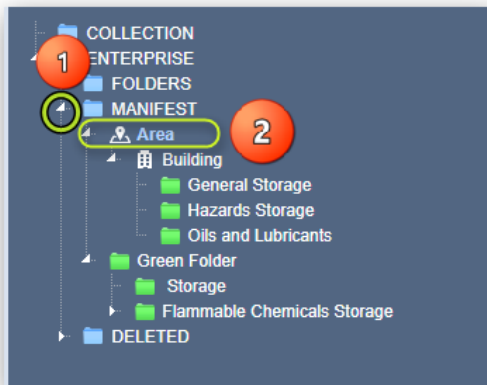
Component	Attribute	Use	Expectation
<b>Dashboard</b> 	Use widgets to generate statistical data using graphs , pie charts  and tables  .	Generate statistical reports for management reviews and reporting on current status of chemicals, hazards, users and many more...	 Users must be granted privileges to use the dashboard feature

In the example below, the Manifest Dashboard reports are generated from the Area folder node under the Manifest Directory.

#### Steps: Generate a Manifest Dashboard related report

Open the **Home** module (if it's not already the default module).

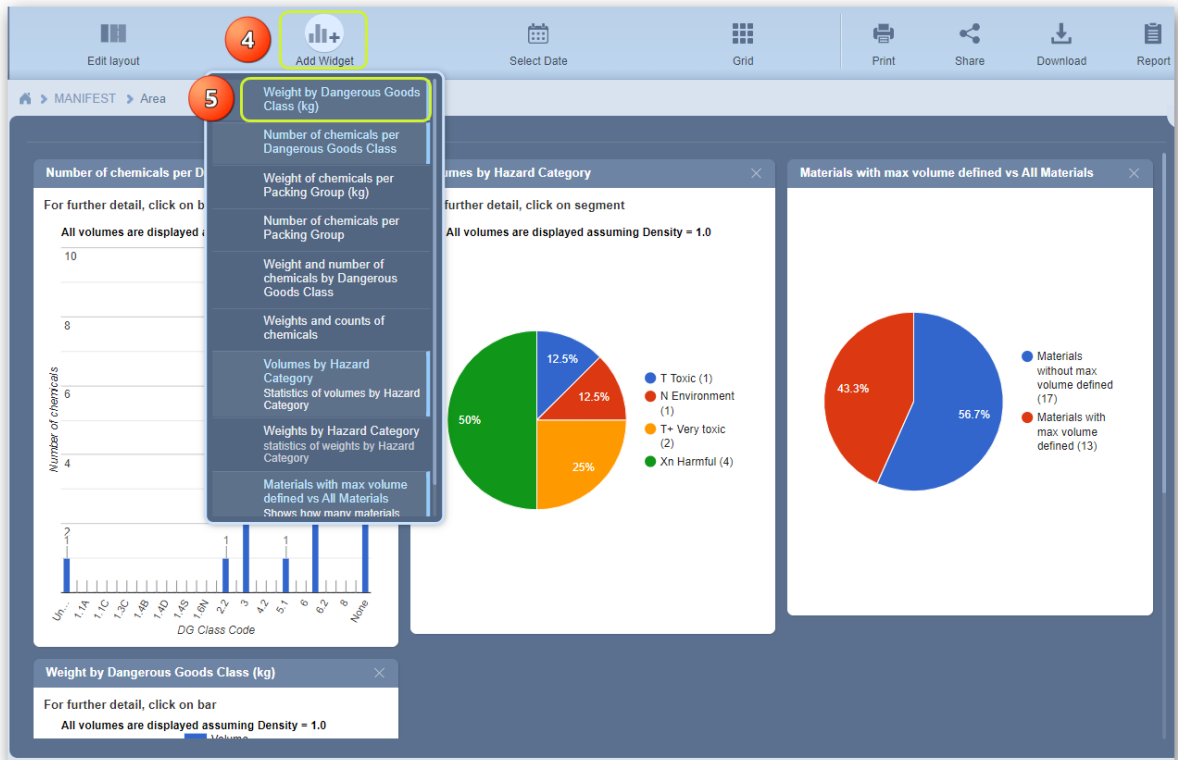
1. **Expand** Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name view mode.




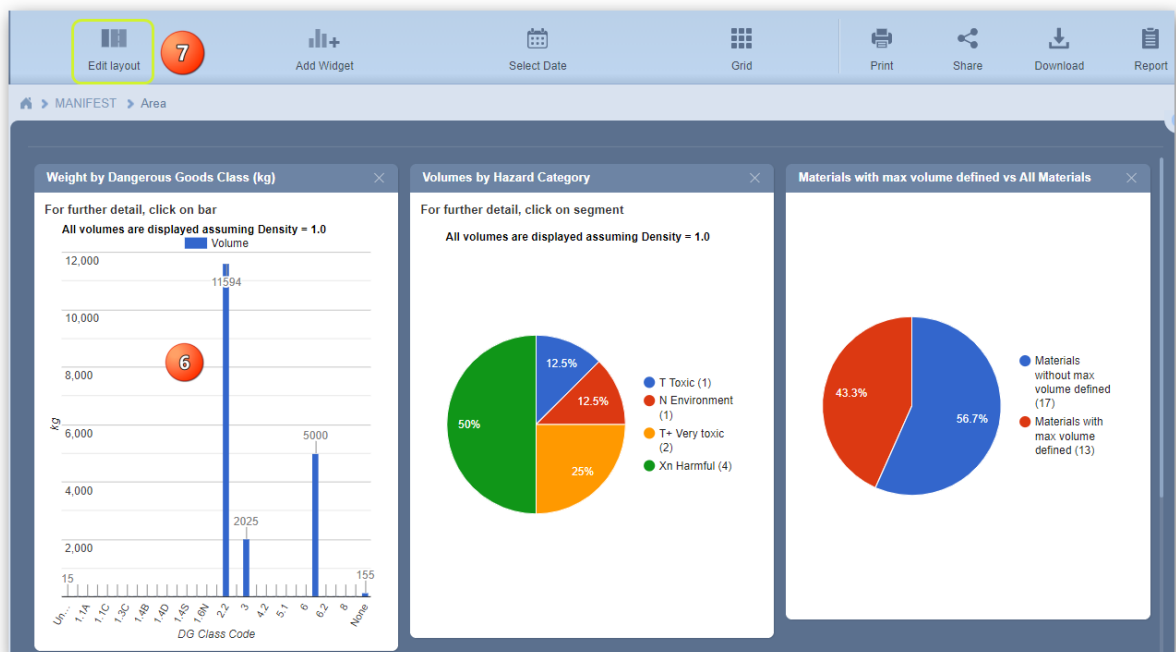
- Click the **Dashboard** button to open the dashboard window.

HAZARD	PART_NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE
⚠	123	1,2-Dibromoethane Issue Date: 01/07/2020. Extraction Date: 09/12/2020.	106-93-4	Sigma-Aldrich (as MiliporeSigma, Merck)	H301,H311,H315 H319,H331,H335,H350,H411	0.00 kg		I	6.1		United States	English
⚠	123	Acetone Issue Date: 03/09/2020. Extraction Date: 03/09/2020.	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	520.00 L		II	3		Australia	English
⚠	123	Acetone Issue Date: None Extraction Date: None VGD Update in Progress	67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	0.00 L		II	3		Australia	English
⚠	123	acetone Issue Date: 21/01/2010. Extraction Date: 07/04/2019.	67-64-1	3M	AUH066,H225,H319,H336	40.00 L		II	3		Australia	English
⚠	123	acetone with water	67-64-1*		H225,H319,H336	0.00 kg		II	3			
⚠	123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	67-64-1	Scharlab	EUH066,H225,H319,H336	0.00 L		II	3		Spain	English
?	123	Ammonium magnesium phosphate hydrate Issue Date: 14/02/2019. Extraction Date: None		Sigma-Aldrich (Merck)	-	15.00 L					Australia	English
⚠	123	Antistatic Spray #514-486 Issue Date: 05/10/2020. Extraction Date: 05/10/2020.		RS Components	-	50.00 L		None	None		Australia	English

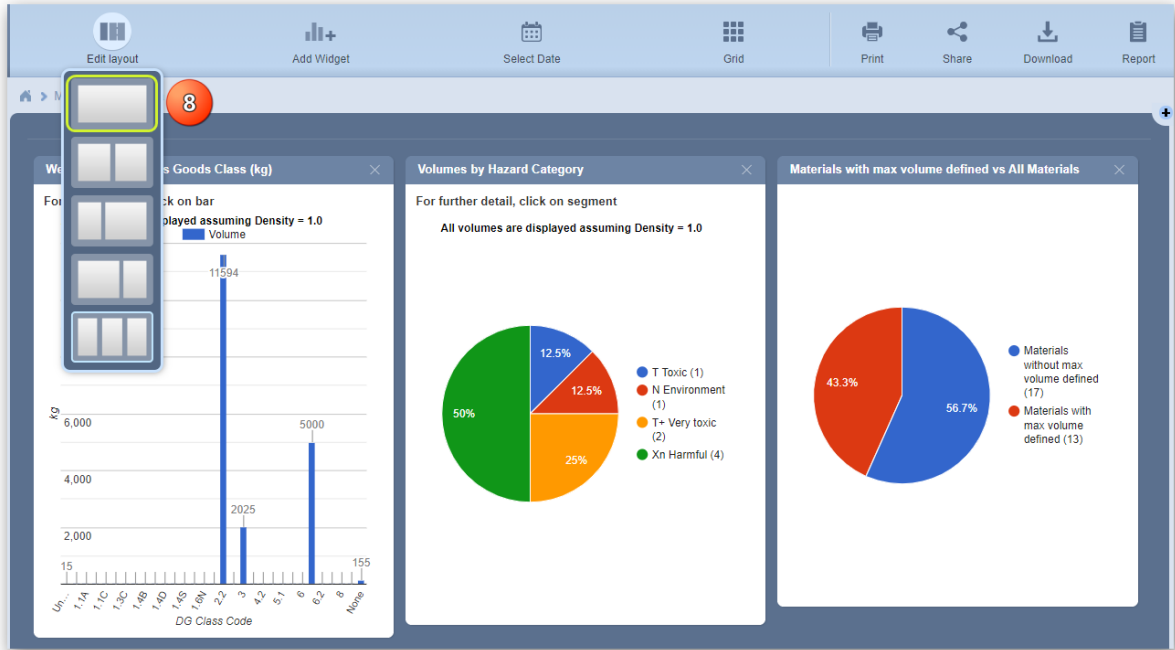
- Select the **Add Widget** button to open the widgets options.
- Select a **Widget** from the widgets' options.



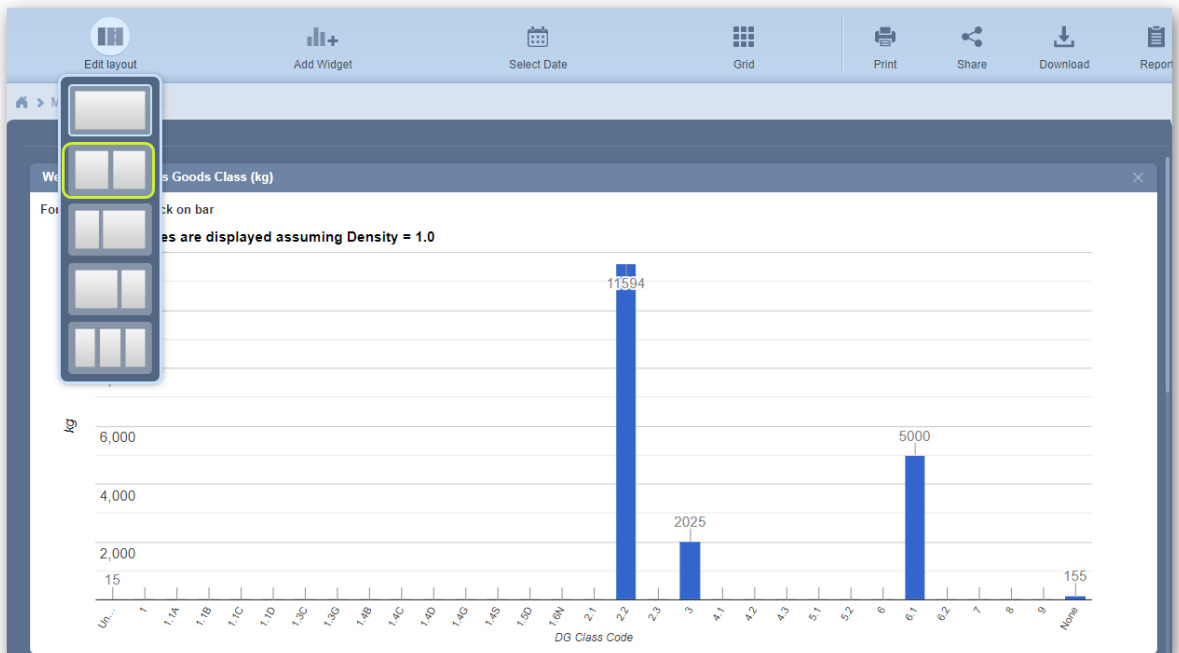
6. The selected widget's bar graphical report  is displayed.
7. Edit the layout  of the report.





8. Select  a layout option; **single layer**, two or more layers from the drop-down blocks.

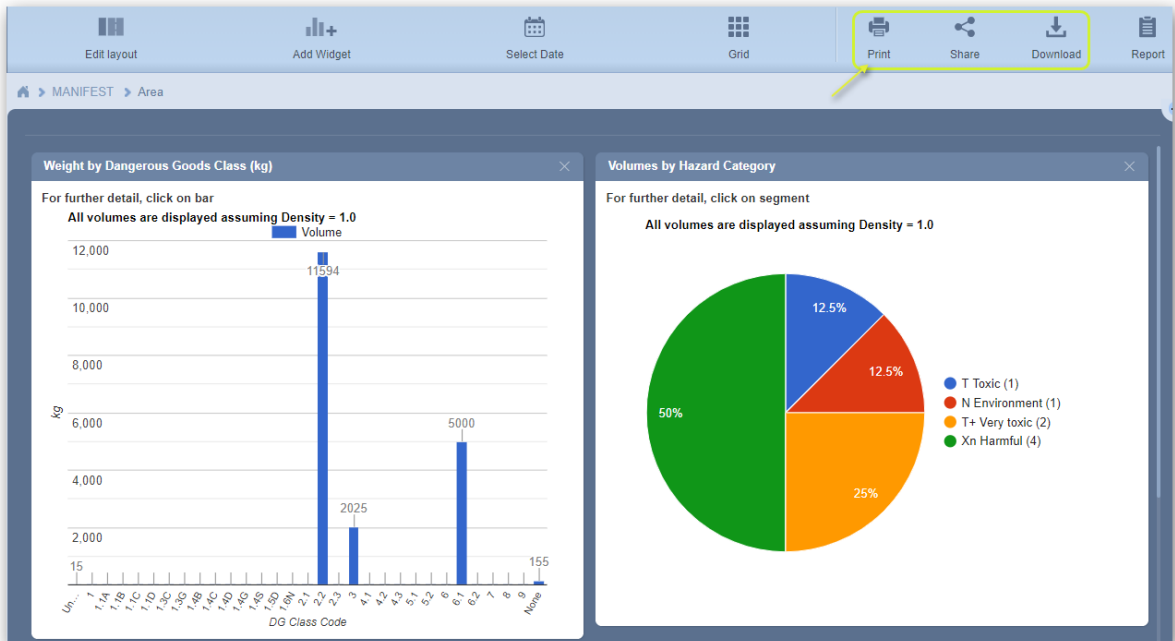








9. The graphical bar report is then displayed in full screen (landscape layout).
10. Select the **Add Widget** button to open the widgets options again.
11. Select another **Widget** from the widgets' options.
12. The current layout (landscape) hides part of the pie chart. Therefore, there's a need to either scroll down the page or simply change the layout to two layers per page for better display of both the reports. Edit the layout of the report.
13. Select a layout option; **two layers per page** from the drop-down blocks.

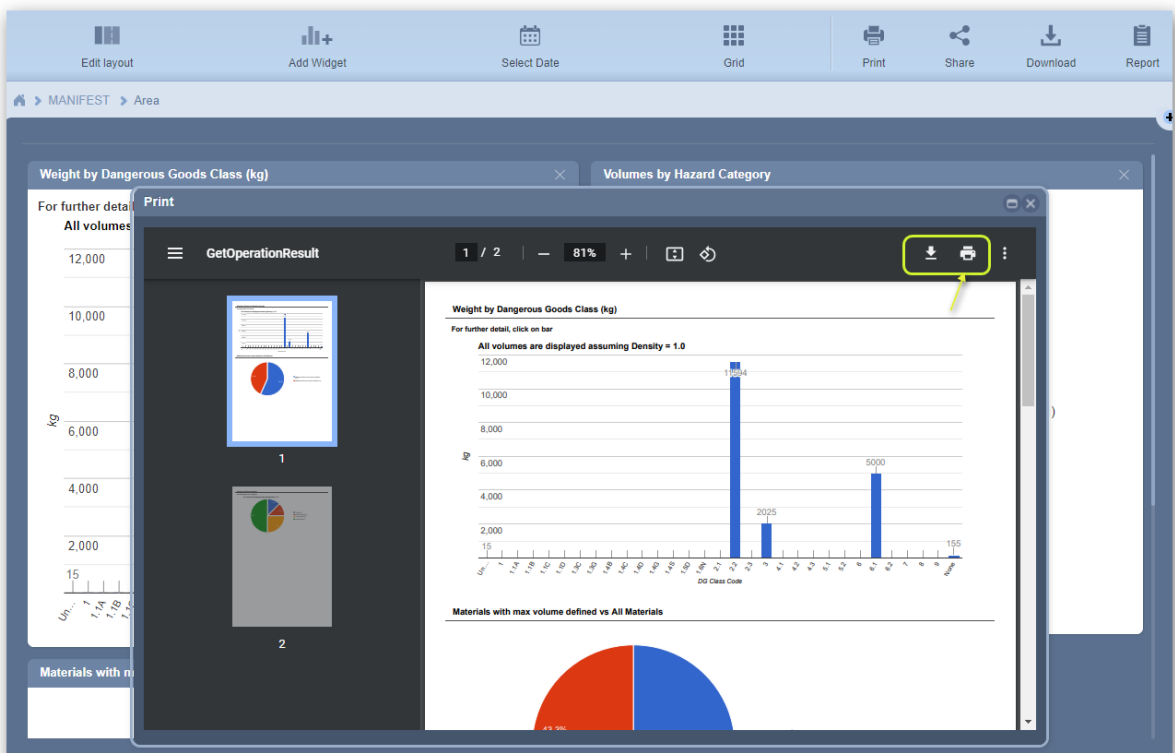




14. The current two layers presentation hides part of the pie chart. Therefore, there's a need to either scroll down the page or simply drag the second layout to the top right widget's report


area. Click  and hold the report window and drag  it towards the widget's report area to reposition it.

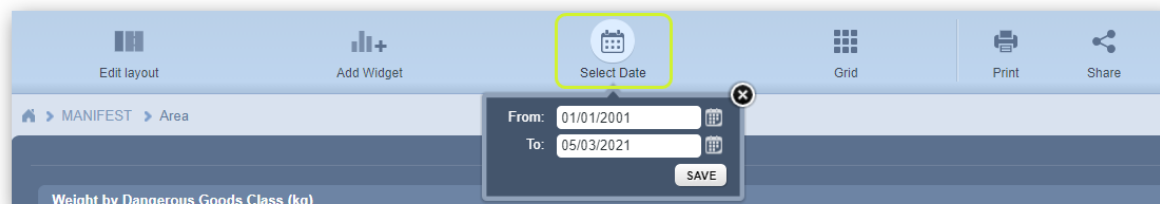


- Click  the **Print** , to generate the report in pdf format .
- Use the pdf  **Print**  or **Download**  option. Use the close button to close the print window.



 Use the **Grid button**  from the dashboard toolbar to go back to the products list. Find more details in the appendix about widgets descriptions and examples of the various types of reports for reference.

A “**Select Date**” button is also available to set the desired date range to be applied for the data to be rendered based on that set date range. To do this; simply click  on the “Select Date” button and set the “**From**” date to the “**To**” date. Otherwise, the system defaults to 01/01/2001 to the current date.






## 2.4 The Manifest Grid Filtering and Sorting Data




The main objectives of this section cover the Manifest Grid filter options on how to:


- Use the Hazards column to filter by CW hazard category
- Use the Cat Name column to filter by chemical name
- Use the Vendor column to filter by vendor name
- Use the Volume/Weight column to filter by value
- Use the DG column to filter by Dangerous Goods Class
- Use the Country column to filter by specific country
- Sort the materials list by Dangerous Goods Class
- Sort the materials list by country
- Add General and SDS Notes to Material and Sort


















**MANIFEST** List Grid  Column Filtering  and Sorting  Data 

Search  and Filter or sort grid columns by;

- Hazards 
- Cat Name
- Vendor 
- Volume/Weight 
- DG (Dangerous Goods) 



Search  and Filter or sort grid columns by;

- Country 
- Language 
- Tags 
- Approved 








               And many more...

The Manifest module's grid contains a number of filters that can be used to filter the list according to a desired filter type. Users can filter the grid by;


- Hazard Rating (colour coded icons)
- Part No
- Material name
- Cat name
- Vendor
- PKG (Packing Group)
- DG (Dangerous Goods Class)
- Language
- Country
- UN (United Nations number)

The Manifest  grid columnar  filters  are described and shown how they work below:

#### 2.4.1 Manifest Hazards Column Filter







Hazard Colour Code	Filter Column by the Nature of Hazard
	<b>Minimum/Non-Hazardous</b> Chemical
	<b>Low</b> Hazardous Chemical
	<b>Moderate</b> Hazardous Chemical
	<b>Highly</b> Hazardous Chemical
	<b>Extremely</b> Hazardous Chemical
	 Chemicals that are designated with a <b>question mark icon</b> will be excluded as the nature of the hazard is unknown from the Chemwatch Hazard Rating perspective.

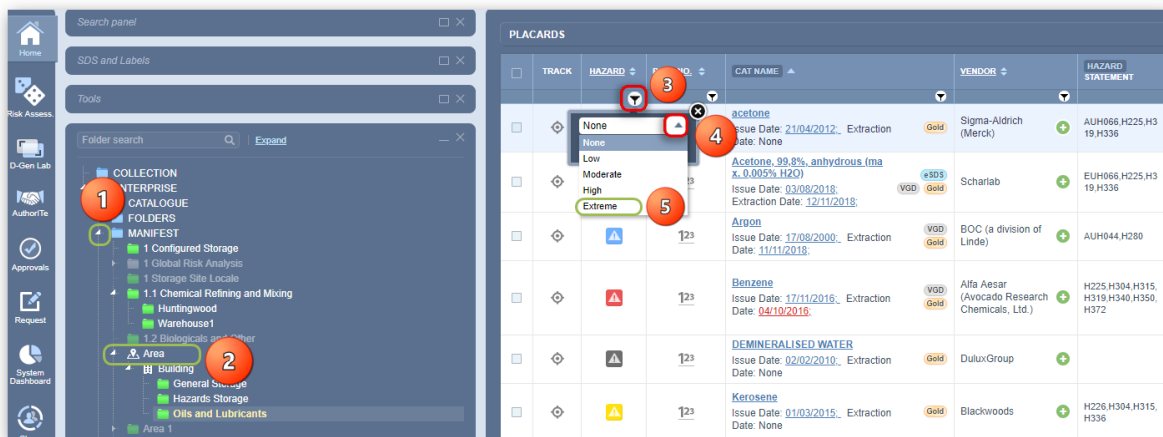


In this worked example, the **Hazard** column filtering will be carried out from the Area folder node  under the Manifest Directory.

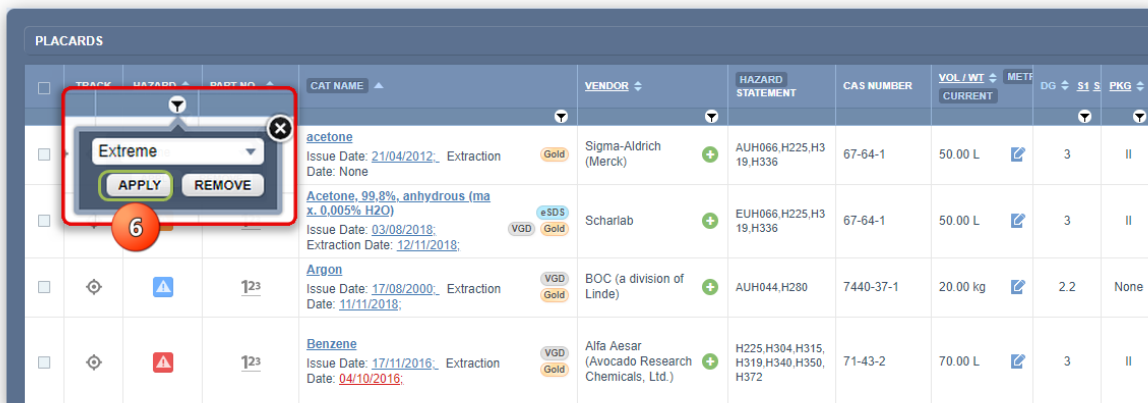
**Steps: Filtering a Materials List by Extreme Hazard**


Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view.
3. Click  the **Hazards column filter** icon.
4. Click  the **drop-down arrow**.
5. Select  the **hazard nature statement** from the hazard's filter menu, e.g., Extreme.



6. Select  the **Apply** button from the hazard filter panel in order to filter the list.



7. The filtered list shows the **extremely**  hazardous chemicals located in the respective folder.

PLACARDS												
TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT. CURRENT	METR	DG	SI	PKG	TAGS
		123	<a href="#">Benzene</a> Issue Date: 17/11/2016, Extraction Date: 04/10/2016.	VGD Gold Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	120.00 L		3		II	Restricted... CLP Hazar... Red Tag D... NZ Regs
		123	<a href="#">Benzene</a> Issue Date: 03/02/2017, Extraction Date: 03/10/2016.	VGD Gold Alfa Aesar (a part of Thermo Fisher (Kandel) GmbH)	H225.H304.H315.H319.H340.H350.H372	71-43-2	30.00 L		3		II	Restricted... CLP Hazar... Red Tag D... NZ Regs
		123	<a href="#">hydrogen cyanide</a>	Gold —	H224.H300.H310.H330.H400.H410	74-90-8	0.00 L		6.1		I	CLP Hazar... Red Tag D...
		123	<a href="#">HYDROGEN CYANIDE</a> Issue Date: 23/10/2008, Extraction Date: None	Gold Sigma-Aldrich (Merck)	H224.H300.H310.H330.H400.H410	74-90-8	0.00 L		6.1		I	CLP Hazar... Red Tag D...
		123	<a href="#">HYDROGEN CYANIDE (PRODUCT OF SOLETE)</a> Issue Date: 28/05/2015, Extraction Date: None	Gold BOC (a division of Linde)	H224.H300.H310.H330.H400.H410	74-90-8	0.00 L		6.1		I	

8. Choose any of the **Print** , **Share** or **Download** buttons. Select the Print button to generate the report document for the extremely hazardous chemicals in PDF format

Use the **Remove** button to close the filtered list and go back to the products list.

## 2.4.2 Quick Search by Cat Name Column Filter

Quick Search Operand    Filtering the List by Cat Name

Equals



This operand provides a quick look up (search) by **Cat Name** from the currently viewed products list to find an exact match

Contains



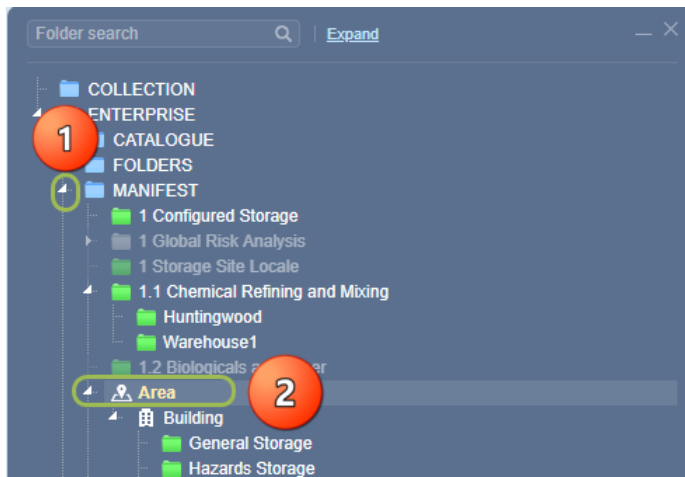
This operand provides a quick look up (search) by **Cat Name** from the currently viewed products list to find any close match(es) or

In this worked example, the **Cat Name** column filtering will be carried out from the Area folder node under the Manifest Directory.

### Steps: Cat Name Column Filtering

Open the **Home** module (if it's not already the default module).

1. **Expand** Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name view mode.



3. Click the Cat Name column filter icon.
4. Click the drop-down arrow from the Cat Name filter panel.
5. Select the Search Operand from the hazard's filter options, e.g., Equals.

TRACK	HAZARD	PART_NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METH	DG	S1
		123	acetone Issue Date: 21/04/2012; Extrac Date: None		AUH066.H225.H3 19.H336	67-64-1	50.00 L		3	
		123	acetone Issue Date: 21/01/2010; Extrac Date: 26/08/2018;		AUH066.H225.H3 19.H336	67-64-1	40.00 L		3	
		123	acetone Issue Date: 21/08/2018; Extrac Date: 07/11/2018;	VGD Gold	Sigma-Aldrich (Merck)	AUH066.H225.H3 19.H336	20.00 L		3	
		123	Acetone, 99.8%, anhydrous (ma x. 0.005% H2O) Issue Date: 03/08/2018; Extrac Date: 12/11/2018;	eSDS VGD Gold	Scharlab	EUH066.H225.H3 19.H336	50.00 L		3	
		123	Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013; Extrac Date: None		Sigma-Aldrich (Merck)		15.00 L			
		123	Antistatic Spray #514-486 Issue Date: 14/08/2015; Extrac Date: 14/08/2015;	VGD Gold	RS Components		50.00 L			None

6. Type the exact name of the product in the Name/CAS free text field, e.g., benzene.
7. Select the Apply button from the hazard filter panel in order to filter the list.

TRACK	HAZARD	PART_NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METH	DG	S1	PKG
		123	acetone Issue Date: 21/04/2012; Extrac Date: None		AUH066.H225.H3 19.H336	67-64-1	50.00 L		3		II
		123	acetone Issue Date: 21/01/2010; Extrac Date: 26/08/2018;		AUH066.H225.H3 19.H336	67-64-1	40.00 L		3		II
		123	acetone Issue Date: 21/08/2018; Extrac Date: 07/11/2018;	VGD Gold	Sigma-Aldrich (Merck)	AUH066.H225.H3 19.H336	20.00 L		3		II
		123	Acetone, 99.8%, anhydrous (ma x. 0.005% H2O) Issue Date: 03/08/2018; Extrac Date: 12/11/2018;	eSDS VGD Gold	Scharlab	EUH066.H225.H3 19.H336	50.00 L		3		II

8. The filtered list shows the exact Cat Name match located in the respective folder.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	METRIC	DG	S1	PKG
		123	<a href="#">Benzene</a> Issue Date: <a href="#">03/02/2017</a> . Extraction Date: <a href="#">03/10/2016</a> .	Alfa Aesar (a part of Thermo Fisher (Kandel) GmbH)	H225.H304.H315.H319.H340.H350.H372	71-43-2	30.00 L		3		II
		123	<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> . Extraction Date: <a href="#">04/10/2016</a> .	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	120.00 L		3		II

Use the active filter icon and press the **Remove** button to close the filtered list and go back to the Cat Name original list .

### 2.4.3 Quick Search by Vendor Column Filter

Quick Search Operand    Filtering the List by Cat Name

Equals



This operand provides a quick look up (search) by **Vendor Name** from the currently viewed products list to find an exact match .

Contains



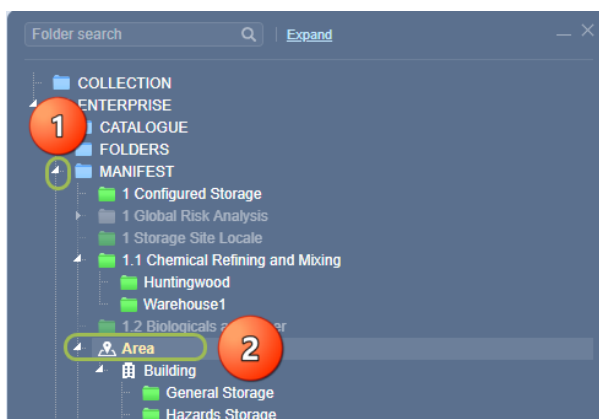
This operand provides a quick look up (search) by **Vendor Name** from the currently viewed products list to find any close match or exact match .

In this worked example, the **Vendor** column filtering will be carried out from the Area folder node under the Manifest Directory.


#### Steps: Quick Search by Vendor Column Filter


Open the **Home** module (if it's not already the default module).





1. **Expand** Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name view mode.








3. Click the **Vendor column filter** icon .


- Click  the **drop-down arrow**  from the Vendor filter panel.
- Select  the **Search Operand** from the Vendor's filter options, e.g., Equals.





HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METR	DG	S1	PKG	TAGS
	123	acetone Issue Date: 21/04/2012. Extraction Date: None	Gold Sigma-A (Merck)		67-64-1	50.00 L		3		II	
	123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018.	VGD Gold 3M		67-64-1	40.00 L		3		II	
	123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018.	VGD Gold Sigma-Aldrich (Merck)	AUH066, H225, H319, H336	67-64-1	20.00 L		3		II	
	123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	eSDS VGD Gold Scharlab	EUH066, H225, H319, H336	67-64-1	50.00 L		3		II	CLP Hazar... Red Tag D...

- Type  the **exact name of the Vendor** in the Name/CAS free text field , e.g., 3M.
- Select  the **Apply button** from the filter panel in order to filter the list .

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METR	DG	S1	PKG
<input type="checkbox"/>		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Gold Sigma-A (Merck)		67-64-1	50.00 L		3		II
<input type="checkbox"/>		123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018.	VGD Gold 3M		67-64-1	40.00 L		3		II
<input type="checkbox"/>		123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018.	VGD Gold Sigma-Aldrich (Merck)	AUH066, H225, H319, H336	67-64-1	20.00 L		3		II
<input type="checkbox"/>		123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	eSDS VGD Gold Scharlab	EUH066, H225, H319, H336	67-64-1	50.00 L		3		II

- The filtered list  shows the exact Cat name match located in the respective folder.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METR	DG	S1	PKG
<input type="checkbox"/>		123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018.	VGD Gold 3M	AUH066, H225, H319, H336	67-64-1	40.00 L		3		II

 Use the active filter icon  and press the **Remove** button to close the filtered list  and go back to the Cat Name original list .


## 2.4.4 Sort Manifest List by Volume/Weight

Sort  List

Sort the List by Ascending or Descending Order


Sort Upwards




Sort the list  by **ascending order** at the Volume/Weight column header of the grid/table.

Sort Downwards







Sort the list  by **descending order** at the Volume/Weight column header of the grid/table.


In this worked example, the **Volume/Weight** column sorting will be carried out from the Area folder node  under the Manifest directory. The sort function will be applied across all data in the grid. Take note that by default, the Cat Name list in the grid is displayed in alpha-numeric ordering.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	METH	DG	S1	PKG
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225,H319,H336	67-64-1	50.00 L		3		II
		123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	Scharlab	EUH066.H225,H319,H336	67-64-1	50.00 L		3		II
		123	Argon Issue Date: 17/08/2000. Extraction Date: 11/11/2018.	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2		None
		123	Benzene Issue Date: 17/11/2016. Extraction Date: 04/10/2016.	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3		II
		123	DEMINERALISED WATER Issue Date: 02/02/2010. Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None		None
		123	Kerosene Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3		III



### Steps: Sort Manifest List by Volume/Weight

In the Home module  (if it's not already the default module);

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode.

 The default cat name alpha-numeric ordering display determines the Volume/Weight value displayed.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	ETP	DG	S1	PKG
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225,H319,H336	67-64-1	50.00 L		3		II
		123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	Scharlab	EUH066.H225,H319,H336	67-64-1	50.00 L		3		II
		123	Argon Issue Date: 17/08/2000. Extraction Date: 11/11/2018.	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2		None
		123	Benzene Issue Date: 17/11/2016. Extraction Date: 04/10/2016.	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3		II
		123	DEMINERALISED WATER Issue Date: 02/02/2010. Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None		None
		123	Kerosene Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3		III

3. Click  the **Sort Up/Down** icon on the Volume/Weight column header to start sorting the list grid by **Ascending Order** .

**i** The least Volume/Weight will be displayed at the top of the list take in into account all data in the grid.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	DG	S1	PKG
		123	<a href="#">acetone</a> Issue Date: <a href="#">21/04/2012</a> . Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3	II
		123	<a href="#">Acetone, 99.8%, anhydrous (max. 0.005% H2O)</a> Issue Date: <a href="#">03/08/2018</a> . Extraction Date: <a href="#">12/11/2018</a> .	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3	II
		123	<a href="#">Kerosene</a> Issue Date: <a href="#">01/03/2015</a> . Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3	III
		123	<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> . Extraction Date: <a href="#">04/10/2016</a> .	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3	II
		123	<a href="#">DEMINERALISED WATER</a> Issue Date: <a href="#">02/02/2010</a> . Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None	None
		123	<a href="#">Argon</a> Issue Date: <a href="#">17/08/2000</a> . Extraction Date: <a href="#">11/11/2018</a> .	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2	None

4. Click the **Ascending Order** icon on the Volume/Weight column header to sort the list grid by **Descending Order**.

**i** The greatest volume/Weight will be displayed at the top of the list taking into account of all the data in the grid's columns and rows.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	DG	S1	PKG
		123	<a href="#">Argon</a> Issue Date: <a href="#">17/08/2000</a> . Extraction Date: <a href="#">11/11/2018</a> .	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2	None
		123	<a href="#">DEMINERALISED WATER</a> Issue Date: <a href="#">02/02/2010</a> . Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None	None
		123	<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> . Extraction Date: <a href="#">04/10/2016</a> .	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3	II
		123	<a href="#">Kerosene</a> Issue Date: <a href="#">01/03/2015</a> . Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3	III
		123	<a href="#">acetone</a> Issue Date: <a href="#">21/04/2012</a> . Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3	II
		123	<a href="#">Acetone, 99.8%, anhydrous (max. 0.005% H2O)</a> Issue Date: <a href="#">03/08/2018</a> . Extraction Date: <a href="#">12/11/2018</a> .	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3	II

5. Select the **Cat Name** column header to relax the sorting to the default alpha-numeric listing in the grid.

<input type="checkbox"/>	TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	MET	DG	S1	PKG
<input type="checkbox"/>			123	<a href="#">Argon</a> Issue Date: <a href="#">17/08/2000</a> . Extraction Date: <a href="#">11/11/2018</a> .	BOC (a division of Linde)	AUH044,H280	7440-37-1	20.00 kg		2.2		None
<input type="checkbox"/>			123	<a href="#">DEMINEALISED WATER</a> Issue Date: <a href="#">02/02/2010</a> . Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None		None
<input type="checkbox"/>			123	<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> . Extraction Date: <a href="#">04/10/2016</a> .	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	71-43-2	70.00 L		3		II
<input type="checkbox"/>			123	<a href="#">Kerosene</a> Issue Date: <a href="#">01/03/2015</a> . Extraction Date: None	Blackwoods	H226,H304,H315,H336	8008-20-6	65.00 L		3		III
<input type="checkbox"/>			123	<a href="#">acetone</a> Issue Date: <a href="#">21/04/2012</a> . Extraction Date: None	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	67-64-1	50.00 L		3		II
<input type="checkbox"/>			123	<a href="#">Acetone, 99.8%, anhydrous (max. 0.005% H2O)</a> Issue Date: <a href="#">03/09/2018</a> . Extraction Date: <a href="#">12/11/2018</a> .	Scharlab	EUH066,H225,H319,H336	67-64-1	50.00 L		3		II

6. The Cat Name list is displayed in alpha-numeric ordering.

<input type="checkbox"/>	TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT CURRENT	MET	DG	S1	PKG
<input type="checkbox"/>			123	<a href="#">acetone</a> Issue Date: <a href="#">21/04/2012</a> . Extraction Date: None	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	67-64-1	50.00 L		3		II
<input type="checkbox"/>			123	<a href="#">Acetone, 99.8%, anhydrous (max. 0.005% H2O)</a> Issue Date: <a href="#">03/09/2018</a> . Extraction Date: <a href="#">12/11/2018</a> .	Scharlab	EUH066,H225,H319,H336	67-64-1	50.00 L		3		II
<input type="checkbox"/>			123	<a href="#">Argon</a> Issue Date: <a href="#">17/08/2000</a> . Extraction Date: <a href="#">11/11/2018</a> .	BOC (a division of Linde)	AUH044,H280	7440-37-1	20.00 kg		2.2		None
<input type="checkbox"/>			123	<a href="#">Benzene</a> Issue Date: <a href="#">17/11/2016</a> . Extraction Date: <a href="#">04/10/2016</a> .	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	71-43-2	70.00 L		3		II
<input type="checkbox"/>			123	<a href="#">DEMINEALISED WATER</a> Issue Date: <a href="#">02/02/2010</a> . Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None		None
<input type="checkbox"/>			123	<a href="#">Kerosene</a> Issue Date: <a href="#">01/03/2015</a> . Extraction Date: None	Blackwoods	H226,H304,H315,H336	8008-20-6	65.00 L		3		III



## 2.4.5 Filter the Manifest List by Dangerous Good Class (DG)

# MANIFEST FILTER DG

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**Manifest DG Column Filter**

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Filter your inventory records by Dangerous Goods;

- DG 1 [Explosives](#)
- DG 1.1A, 1.1B, 1.1C, 1.1D, 1.1E
- DG 1.2L, 1.2B
- DG 1.3C, 1.3G, 1.3J
- DG 1.4B, 1.4C, 1.4D, 1.4G, 1.4S
- DG 1.5D
- DG 1.6N
- DG 2.1 [Flammable Gases](#)
- DG 2.2 [Non Flammable Not Toxic Gases](#)
- DG 2.3 [Toxic Gases](#)
- DG 3 [Flammable Liquid](#)
- DG 4.1 [Flammable Solids](#)







Filter your inventory records by Dangerous Goods;

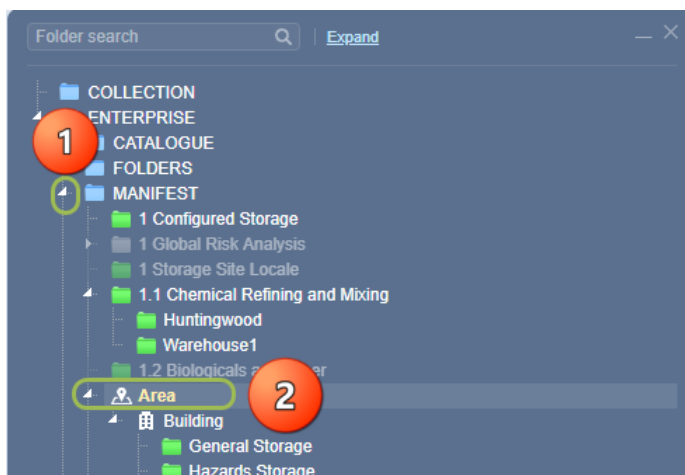
- DG 4.2 [Spontaneous Combustion](#)
- DG 4.3 [Water Contact Emit Flammable Gases](#)
- DG 5.1 [Oxidizing Agents](#)
- DG 5.2 [Organic Peroxides](#)
- DG 6.1 [Toxic Substances](#)
- DG 6.2A [Infectious Substances](#)
- DG 6.2 [Infectious Substances](#)
- DG 7 [Radioactive Substances](#)
- DG 8 [Corrosive Substances](#)
- DG 9 [Miscellaneous](#)
- Comb [Combustible](#)






In this worked example, the **DG** column filtering will be carried out from the Area folder node  under the Manifest Directory.

### Steps: Filter Manifest List by DG Column

Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode.



3. Click  the **DG column filter icon** .
4. Click  the **drop-down arrow**  from the DG filter panel.
5. Select  the **DG category** from the filter menu, e.g., DG 3.

HAZARD	PART NO.	MATERIAL NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METR	DG	S1	PKG	APPROV.
		acetone			67-64-1	100.00 L					
	123	<a href="#">Argon</a> Issue Date: 17/08/2000. Extraction Date: 11/11/2018.	BOC (a division of Linde)	AUH044,H280	7440-37-1	20.00 kg		3			
	123	<a href="#">Benzene</a> Issue Date: 17/11/2016. Extraction Date: 04/10/2016.	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	71-43-2	70.00 L					
	123	<a href="#">DEMINERALISED WATER</a> Issue Date: 02/02/2010. Extraction Date: None	DuluxGroup		7732-18-5	80.00 L					
	123	<a href="#">Kerosene</a> Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226,H304,H315,H336	8008-20-6	65.00 L					

6. Select the **Apply** button from the hazard filter panel in order to filter the list.

TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	METRIC	DG	S1	PKG	COUNTRY	LANGUAGE
		<a href="#">Acetone, 99.8% anhydrous (max. 0.005% H2O)</a> Issue Date: 03/08/2018. Extraction Date: None	Scharlab	67-64-1	EUH066,H225,H319,H336	50.00 L		3			Spain	English
		<a href="#">Argon</a> Issue Date: 17/08/2000. Extraction Date: None	BOC (a division of Linde)	7440-37-1	AUH044,H280	0.00 L		2.2	None		Australia	English
		<a href="#">Benzene</a> Issue Date: 17/11/2016. Extraction Date: None	Alfa Aesar (Avocado Research Chemicals, Ltd.)	71-43-2	H225,H304,H315,H319,H340,H350,H372	0.00 L		3	II		United Kingdom	English

7. The filtered list shows the dangerous goods classified as DGC 3 (Flammables) located in the selected folder.

TRACK	HAZARD	PART NO.	MATERIAL NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL / WT	METR	DG	S1	PKG
			acetone			67-64-1	100.00 L				
		123	<a href="#">Benzene</a> Issue Date: 17/11/2016. Extraction Date: 04/10/2016.	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225,H304,H315,H319,H340,H350,H372	71-43-2	70.00 L		3		II
		123	<a href="#">Kerosene</a> Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226,H304,H315,H336	8008-20-6	65.00 L		3		III

8. Choose any of the Print , save or email buttons. Select the **Print** button.

to generate the report document for the flammable dangerous goods list in format.

Use the active filter icon and press the **Remove** button to close the filtered list and go back to the Cat Name original list . You can apply any of the DG Classes to filter any manifest list the same way as illustrated in steps above.


## 2.4.6 Sort Manifest List by Dangerous Goods Class (DG)

Sort  List

Sort the List by Ascending or Descending Order

Sort Upwards













Sort the list  by **ascending order** at the **DG column header** of the grid.

Sort Downwards






Sort the list  by **descending order** at the **DG column header** of the grid.

In this worked example, the **DG** (Dangerous Goods Class) column sorting will be carried out from the Area folder node  under the Manifest directory. The sort function will be applied across all data in the grid. Take note that by default, the Cat Name list in the grid is displayed in alpha-numeric ordering.

HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL./WT CURRENT	MET	PKG	DG	COUNTRY	LANGUAGE
	123	3M(TM) Scotch-Weld(TM) 底漆 AC79, 五色 Issue Date: 26/08/2019. Extraction Date: VGD Update in Progress	67-64-1	3M	H225,H319,H336	0.00 L		II	3	China	Chinese (Traditional)
	123	acetone Issue Date: 08/12/1999. Extraction Date: 18/07/2018.	67-64-1	3M	H225,H319,H336	0.00 L		II	3	Canada	English
	123	acetone Issue Date: 07/01/2005. Extraction Date: 21/08/2018.	67-64-1	Bondo (a part of 3 M)	H225,H319,H336	0.00 L		II	3	United States	English
	123	acetone	67-64-1	—	H225,H319,H336	500.00 L		II	3		
	123	acetone Issue Date: 21/01/2010. Extraction Date: 07/04/2019.	67-64-1	3M	AUH066,H225,H319,H336	0.00 L		II	3	Australia	English
	123	Acetylene Issue Date: 27/03/2013. Extraction Date: 17/07/2018.	74-86-2	Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	20.00 kg		None	2.1	Australia	English
	123	argon	7440-37-1	—	H280	0.00 L		None	2.2		
	123	BP Butane Issue Date: 12/12/2000. Extraction Date: None	106-97-8.	BP (Castrol)	EUH044,H220,H280	0.00 L		None	2.1	Germany	English
	123	BP Butane Issue Date: 25/01/2016. Extraction Date: 18/07/2018.	106-97-8.	BP Australia	AUH044,H220,H280	0.00 L		None	2.1	Australia	English

### Steps: Sort Material List by DG Ascending/Descending Order

Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode.



The default Cat Name alpha-numeric ordering determines the DG Class value displayed.

PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT CURRENT	MET	PKG	DG	RY	LANGUAGE
123	3M(TM) Scotch-Weld(TM) 底涂 AC79-无铅 Issue Date: 26/08/2019. Extraction Date: VGD Update in Progress	67-64-1	3M	H225,H319,H336	0.00 L	II	II	3	China	Chinese (Traditional)
123	acetone Issue Date: 08/12/1999. Extraction Date: 18/07/2018.	67-64-1	3M	H225,H319,H336	0.00 L	II	II	3	Canada	English
123	acetone Issue Date: 07/01/2005. Extraction Date: 21/09/2018.	67-64-1	Bondo (a part of 3 M)	H225,H319,H336	0.00 L	II	II	3	United States	English
123	acetone	67-64-1	—	H225,H319,H336	500.00 L	II	II	3		
123	acetone Issue Date: 21/01/2010. Extraction Date: 07/04/2019.	67-64-1	3M	AUH066,H225,H319,H336	0.00 L	II	II	3	Australia	English
123	Acetylene Issue Date: 27/03/2013. Extraction Date: 17/07/2018.	74-86-2	Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	20.00 kg	None	None	2.1	Australia	English
123	argon	7440-37-1	—	H280	0.00 L	None	None	2.2		
123	BP Butane Issue Date: 12/12/2000. Extraction Date: None	106-97-8.	BP (Castrol)	EUH044,H220,H280	0.00 L	None	None	2.1	Germany	English
123	BP Butane Issue Date: 25/01/2016. Extraction Date: 18/07/2018.	106-97-8.	BP Australia	AUH044,H220,H280	0.00 L	None	None	2.1	Australia	English

- Click the **Sort Up/Down** icon on the DG column header to start sorting the list grid by **Ascending Order**.

HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT CURRENT	MET	PKG	DG	RY	LANGUAGE
	123	Acetylene Issue Date: 27/03/2013. Extraction Date: 17/07/2018.	74-86-2	Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	20.00 kg	None	None	2.1	Australia	English
	123	HANDIGAS Issue Date: 30/03/2017. Extraction Date: 20/12/2020.	68476-85-7.	BOC (a division of Linde)	AUH044,H220,H280	0.00 L	None	None	2.1	Australia	English
	123	Liquefied Petroleum Gas (LPG) Issue Date: 01/01/2019. Extraction Date: 21/08/2019.	68476-85-7.	Elgas	H220	5.00 L	None	None	2.1	New Zealand	English
	123	Liquefied Petroleum Gas (LPGas) Issue Date: None Extraction Date: None	68476-85-7.	Elgascott	AUH044,H220,H280	0.00 L	None	None	2.1	Australia	English
	123	Liquefied Petroleum Gas (LPG) Issue Date: 01/01/2019. Extraction Date: 03/08/2019.	68476-85-7.	Elgas	AUH044,H220,H280	0.00 L	None	None	2.1	Australia	English
	123	LIQUEFIED PETROLEUM GAS (LPG) (NZ) Issue Date: 04/05/2018. Extraction Date: 29/08/2018.	68476-85-7.	BOC (a division of Linde)	H220	0.00 L	None	None	2.1	New Zealand	English
	123	LIQUEFIED PETROLEUM GASES (LPG) Issue Date: 28/02/2018. Extraction Date: 13/11/2020.	68476-85-7.	BOC (a division of Linde)	H220,H280	100.00 L	None	None	2.1	United States	English
	123	Liquefied Petroleum Gas (LPGas) Issue Date: 16/12/2009. Extraction Date: None	68476-85-7.	Elgas	AUH044,H220,H280	0.00 L	None	None	2.1	Australia	English

- Click the **Ascending Order** icon on the Volume/Weight column header to sort the list grid by **Descending Order**. The None DG Volume/Weight will be displayed at the top of the list take in into account all data in the grid.
- Select the **Cat Name** column header to relax the sorting to the default alpha-numeric listing in the grid.

HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE
	123	formaldehyde	50-00-0, 8005-38-7, 8006-07-3, 8013-13-6, 112068-7... more	—	+	H227,H290,H301,H311,H314,H317,H318,H331,H350,H371,H402	0.00 L	III	8			
	123	N-HEXANE REFERENCE SUBSTANCE FOR GAS CHROMATOGRAPHY Issue Date: 31/10/2016. Extraction Date: None	110-54-3	Merck	+	H225,H304,H315,H336,H361,H373,H401,H411	0.00 L	II	3		Australia	English
	123	Hexanes for analysis EMPARTA@ACS Issue Date: 01/11/2016. Extraction Date: None	110-54-3	Merck	+	H225,H304,H315,H336,H361,H373,H401,H411	0.00 L	II	3		Australia	English
	123	n-Hexane for analysis EMSURE ACS Reag. Ph Eur Issue Date: 31/10/2016. Extraction Date: None	110-54-3	Merck	+	H225,H304,H315,H336,H361,H373,H401,H411	0.00 L	II	3		Australia	English
	123	n-hexane	110-54-3	—	+	H225,H304,H315,H320,H336,H361,H373,H401,H411	0.00 L	II	3			
	123	n-Hexane hypergrade for LC-MS Lichrosolv® Issue Date: 01/11/2016. Extraction Date: 28/08/2020.	110-54-3	Merck	+	H225,H304,H315,H336,H361,H373,H401,H411	0.00 L	II	3		Australia	English

Cat name sorted by ascending order.

6. The Cat Name list shows the alpha-numeric ordering.

HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE
	123	acetone Issue Date: 08/12/1999. Extraction Date: 18/07/2018.	67-64-1	3M	+	H225,H319,H336	0.00 L	II	3		Canada	English
	123	acetone Issue Date: 07/01/2005. Extraction Date: 21/08/2018.	67-64-1	Bondo (a part of 3 M)	+	H225,H319,H336	0.00 L	II	3		United States	English
	123	acetone	67-64-1	—	+	H225,H319,H336	500.00 L	II	3			
	123	acetone Issue Date: 21/01/2010. Extraction Date: 07/04/2019.	67-64-1	3M	+	AUH066,H225,H319,H336	0.00 L	II	3		Australia	English
	123	Acetylene Issue Date: 27/03/2013. Extraction Date: 17/07/2018.	74-86-2	Sigma-Aldrich (Merck)	+	AUH001,AUH006,AUH019,AUH044,H220,H224,H240,H280	20.00 kg	None	2.1		Australia	English
	123	argon	7440-37-1	—	+	H280	0.00 L	None	2.2			
	123	BP Butane Issue Date: 12/12/2000. Extraction Date: None	106-97-8.	BP (Castrol)	+	EUH044,H220,H280	0.00 L	None	2.1		Germany	English
	123	BP Butane Issue Date: 25/01/2016. Extraction Date: 18/07/2018.	106-97-8.	BP Australia	+	AUH044,H220,H280	0.00 L	None	2.1		Australia	English
	123	butane	106-97-8.	—	+	H220,H280	0.00 L	None	2.1			

## 2.4.7 Filter the Manifest List by Country

Quick Search Operand Filtering the List by Country

Equals



This operand provides a quick look up (search) by **Country** from the currently viewed products list to find an exact match.

Contains




This operand provides a quick look up (search) by **Country** from the currently viewed products list to find any close match or exact match.


## Column Filtering by Country






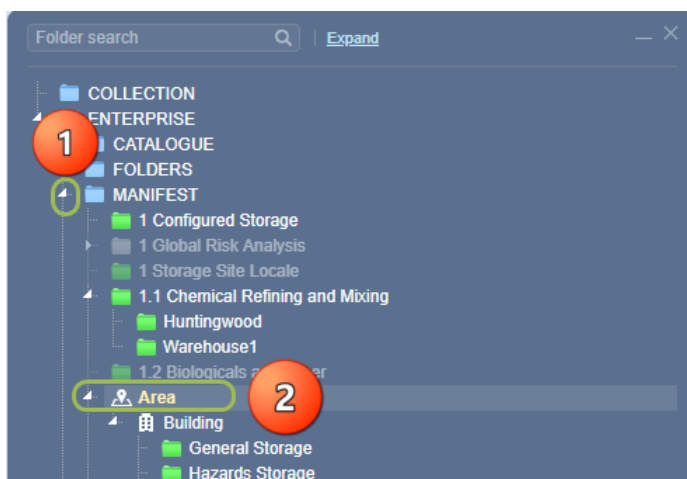
Filter list by country;					
• Afghanistan	• Chile	• Greece	• Liberia	• Pakistan	• Switzerland
• Albania	• China	• Guam	• Lichtenstein	• Panama	• Taiwan
• Algeria	• China (Hong Kong)	• Guatemala	• Lithuania	• Papua New Guinea	• Tajikistan
• American Samoa	• Colombia	• Haiti	• Luxembourg	• Paraguay	• Tanzania
• Andorra	• Congo, Republic of	• Honduras	• Macedonia	• Peru	• Thailand
• Angola	• Costa Rica	• Hungary	• Madagascar	• Philippines	• Trinidad and Tobago
• Argentina	• Croatia	• Iceland	• Malaysia	• Poland	• Turkey
• Aruba	• Cuba	• India	• Malta	• Portugal	• Turkmenistan
• Australia	• Cyprus	• Indonesia	• Mauritania	• Puerto Ricco	• Uganda
• Austria	• Czech Republic	• Iran	• Mauritius	• Qatar	• Ukraine
• Azerbaijan	• Denmark	• Iraq	• Mexico	• Romania	• United Arab Emirates
• Bahamas	• Djibouti	• Ireland	• Monaco	• Russian Federation	• United Kingdom
• Bahrain	• Dominican Republic	• Israel	• Mongolia	• Saudi Arabia	• United States
• Bangladesh	• Ecuador	• Italy	• Montenegro	• Senegal	• United States Minor
• Belarus	• Egypt	• Ivory Coast	• Morocco	• Serbia	• Uruguay
• Belgium	• El Salvador	• Japan	• Mozambique	• Serra Leone	• Vanuatu
• Bermuda	• Estonia	• Jordan	• Myanmar	• Singapore	• Venezuela
• Bolivia	• Falkland Islands (Malvinas)	• Kazakhstan	• Namibia	• Slovakia	• Vietnam
• Botswana	• Faroe Islands	• Kenya	• Netherlands	• Slovenia	• Yemen
• Brazil	• Fiji	• Korea (Democratic Republic of)	• Netherlands Antilles	• South Africa	• Zambia
• Brunei Darussalam	• Finland	• Korea (Republic of)	• New Zealand	• Spain	• Zimbabwe
• Bulgaria	• France	• Kuwait	• Nicaragua	• Sri Lanka	
• Canada	• Germany	• Latvia	• Nigeria	• Suriname	
• Cape Verde	• Ghana	• Lebanon	• Norway	• Swaziland	
			• Oman	• Sweden	







In this worked example, the **Country** column filtering will be carried out from the Area folder node  under the Manifest Directory.

### Steps: Filter the Manifest List by Country

Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view.



3. Click  the **Country**  column filter icon .
4. Click  the **drop-down arrow**  from the country filter panel.
5. Select  the **Search Operand** from the country filter options, e.g., Equals.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE	TAGS
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II			
		123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018	3M	AUH066.H225.H319.H336	67-64-1	40.00 L		3		II			
		123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	20.00 L		3		II	Australia	English	
		123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Spain	English	CLP Hazard... Red Tag D...
		123	Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013. Extraction Date: None	Sigma-Aldrich (Merck)			15.00 L					Australia	English	
		123	Antistatic Spray #514.486 Issue Date: 14/08/2015. Extraction Date: 14/08/2015	RS Components			50.00 L		None	None		Australia	English	
		123	argon		H280.H333	7440-37-1	0.00 L		2.2		None			

- Type the exact name of the **Country** in the free text field , e.g., Australia.
- Select the **Apply** button from the country filter panel in order to filter the list .

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE	TAGS
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II			
		123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018	3M	AUH066.H225.H319.H336	67-64-1	40.00 L		3		II			
		123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	20.00 L		3		II	Australia	English	
		123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Spain	English	CLP Hazard... Red Tag D...
		123	Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013. Extraction Date: None	Sigma-Aldrich (Merck)			15.00 L					Australia	English	
		123	Antistatic Spray #514.486 Issue Date: 14/08/2015. Extraction Date: 14/08/2015	RS Components			50.00 L		None	None		Australia	English	

- The filtered list shows the exact country match of the SDS located in the respective folder.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	S1	PKG	COUNTRY	LANGUAGE	TAGS
		123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	20.00 L		3		II	Australia	English	
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Australia	English	
		123	acetone Issue Date: 21/01/2010. Extraction Date: 26/08/2018	3M	AUH066.H225.H319.H336	67-64-1	40.00 L		3		II	Australia	English	

Use the active filter icon and press the **Remove** button to close the filtered list and go back to the any country original list . You can apply any of the country to filter by any country listed the same way as illustrated in steps above.



## 2.4.8 Sort Manifest List by Country



Sort  List


Sort the List by Ascending or Descending Order






Sort Upwards 

Sort the list  by **ascending order** at the **Country**  column header of the grid/table


Sort Downwards 







Sort the list  by **descending order** at the **Country**  column header of the grid/table


In this worked example, the **Country** column sorting will be carried out from the Area folder node  under the Manifest Directory. The sort function will be applied across all data listed in the grid. Take note that by default, the Cat Name list in the folder is registered by country and language of the product.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT. MET	DG	SI	PKG	COUNTRY	LANGUAGE	TAGS
		123	acetone Issue Date: 21/04/2012; Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L	3	II		Australia	English	
		123	acetone Issue Date: 21/01/2010; Extraction Date: 26/08/2018;	3M	AUH066.H225.H319.H336	67-64-1	40.00 L	3	II		Australia	English	
		123	acetone Issue Date: 21/08/2018; Extraction Date: 07/11/2018;	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	20.00 L	3	II		Australia	English	
		123	Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018; Extraction Date: 12/11/2018;	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L	3	II		Spain	English	CLP Hazar... Red Tag D...
		123	Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013; Extraction Date: None	Sigma-Aldrich (Merck)			15.00 L				Australia	English	

### Steps

Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., Area node at level 1
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name view mode. The default cat name alpha-numeric ordering display determines the country and language displayed as per the products SDS registered in a folder.
3. Click  the **Sort Up/Down**  icon on the Country column header to start sorting the list grid by **Ascending Order** 

 The columnar data will be sort by alphabetical ordering and the country starting with the letter "A, etc., will be displayed at the top of the list taking into account all data in the grid.



TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	SI	PKG	COUNTRY	LANGUAGE	TAGS
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Australia	English	
		123	acetone Issue Date: 21/01/2010. Extraction Date: 28/08/2018	3M	AUH066.H225.H319.H336	67-64-1	40.00 L		3		II	Australia	English	
		123	acetone Issue Date: 21/08/2018. Extraction Date: 07/11/2018	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	20.00 L		3		II	Australia	English	
		123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Spain	English	CLP Hazardous Red Tag D...
		123	Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013. Extraction Date: None	Sigma-Aldrich (Merck)			15.00 L					Australia	English	

4. Click the **Ascending Order** icon on the country Column header to sort the list grid by **Descending Order**.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	SI	PKG	COUNTRY	LANGUAGE	TAGS
		123	DEMINERALISED WATER Issue Date: 02/02/2010. Extraction Date: None	DuluxGroup		7732-18-5	80.00 L		None		None	Australia	English	
		123	Kerosene Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3		III	Australia	English	CLP Hazardous Red Tag D... NZ Regs
		123	Argon Issue Date: 17/08/2000. Extraction Date: 11/11/2018	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2		None	Australia	English	
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Australia	English	
		123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Spain	English	CLP Hazardous Red Tag D...
		123	Benzene Issue Date: 17/11/2016. Extraction Date: 04/10/2018	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3		II	United Kingdom	English	Restricted... CLP Hazardous Red Tag D... NZ Regs

The columnar data will be sort by alphabetical ordering and the country starting with the letter "Z" will be displayed at the top of the list take in into account all data in the grid.

5. Select the **Cat Name** column header to relax the sorting to the default alpha-numeric listing in the grid.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	SI	PKG	COUNTRY	LANGUAGE	TAGS
		123	Benzene Issue Date: 17/11/2016. Extraction Date: 04/10/2018	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225.H304.H315.H319.H340.H350.H372	71-43-2	70.00 L		3		II	United Kingdom	English	Restricted... CLP Hazardous Red Tag D... NZ Regs
		123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018	Scharlab	EUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Spain	English	CLP Hazardous Red Tag D...
		123	Kerosene Issue Date: 01/03/2015. Extraction Date: None	Blackwoods	H226.H304.H315.H336	8008-20-6	65.00 L		3		III	Australia	English	CLP Hazardous Red Tag D... NZ Regs
		123	Argon Issue Date: 17/08/2000. Extraction Date: 11/11/2018	BOC (a division of Linde)	AUH044.H280	7440-37-1	20.00 kg		2.2		None	Australia	English	
		123	acetone Issue Date: 21/04/2012. Extraction Date: None	Sigma-Aldrich (Merck)	AUH066.H225.H319.H336	67-64-1	50.00 L		3		II	Australia	English	

6. The **Cat Name** list shows the alpha-numeric ordering.

TRACK	HAZARD	PART NO.	CAT NAME	VENDOR	HAZARD STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	SI	PKG	COUNTRY	LANGUAGE	TAGS
	A	123	acetone Issue Date: 21/04/2012. Extraction Date: None	Gold	Sigma-Aldrich (Merck)	AUH066, H225, H319, H336	67-64-1	50.00 L		3	II	Australia	English	
	A	123	Acetone, 99.8%, anhydrous (m ax. 0.005% H2O) Issue Date: 03/08/2018. Extraction Date: 12/11/2018.	ESDS VGD Gold	Scharlab	EUH066, H225, H319, H336	67-64-1	50.00 L		3	II	Spain	English	CLP Hazar... Red Tag D...
	A	123	Argon Issue Date: 17/08/2009. Extraction Date: 11/11/2018.	VGD Gold	BOC (a division of Linde)	AUH044, H280	7440-37-1	20.00 kg		2.2	None	Australia	English	
	A	123	Benzene Issue Date: 17/11/2016. Extraction Date: 9/4/10/2016.	VGD Gold	Alfa Aesar (Avocado Research Chemicals, Ltd.)	H225, H304, H315, H319, H340, H350, H372	71-43-2	70.00 L		3	II	United Kingdom	English	Restricted... CLP Hazar... Red Tag D... NZ Regs
	A	123	DEMINEALISED WATER Issue Date: 02/02/2010. Extraction Date: None	Gold	DuluxGroup		7732-18-5	80.00 L		None	None	Australia	English	
	A	123	Kerosene Issue Date: 01/03/2015. Extraction Date: None	Gold	Blackwoods	H226, H304, H315, H336	8008-20-6	65.00 L		3	III	Australia	English	CLP Hazar... Red Tag D... NZ Regs

## 2.4.9 Tracking Materials and Products

The main objectives of this section cover how to track a materials and products in a Manifest:

- Use the track function to identify the folder residency of a material
- Use the track function to identify the folder residency of a product
- To differentiate material residency by track icon colour coding
- To identify specific folder locations where tracked material is stored



### Track Material from a List

Search and **track** to identify folder location by;

- Material Name
- Cat Name





The following steps illustrate **how to track** a material to identify where it might be located in folder tree structure.





- Use the simple search **autocomplete method** to search for a material from the CW full collection and track it from the search result to find out if exists in a folder.
- Use the simple search **autocomplete method** to search for a cat name from the CW full collection and track it to find out if exists in a folder.
- A material can also be tracked from a list whilst viewing contents of a folder.

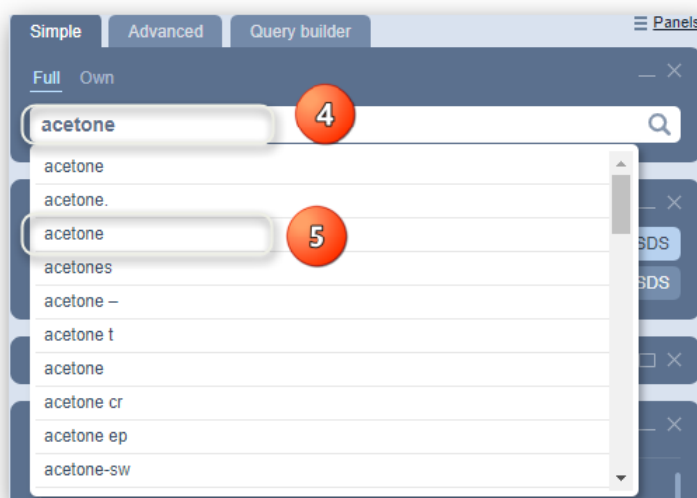
### Steps

1. In Home module , select the **Simple** tab.
2. Click the 'Full' search option in order to look up for the Vendor SDS material from the Chemwatch full database collection.

- Press  the 'Vendor SDS' button in the SDS and Labels panel to set the type of document .



- Type  the **material or chemical name** in the 'Material name, CAS No or CW No' text field .
- Select  the **material or chemical name** from the autocomplete search list  panel. In this case, acetone is used to demonstrate the steps.



- Check  if the Materials **Gold/Vendor** checkboxes are further filtered for specific country and language

About 200 results (0.502 seconds)

Track	Name	Part No.	CW NUMBER	CAS	Tags	Red Flag	Country	Language	Vendor
<input type="checkbox"/>	<input checked="" type="checkbox"/> acetone		123	1090	67-64-1		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Acetone		123	8122-59			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Acetone		123	4607-30			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Hydroxyacetone		123	39268-7	116-09-6		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Hydroxyacetone		123	1166499			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Acetone oxime		123	17119	127-06-0		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Benzylacetone		123	39405	2550-26-7		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Fluoroacetone		123	39841-7	430-51-3		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> phenylacetone		123	36059	103-79-7		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> BENZOYLACETONE		123	50807	93-91-4		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Diacetone acrylamide		123	39658-1	2873-97-4		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Muscle acetone powder		123	10101345			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Benzylideneacetone		123	51987	122-57-6		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Acetone cyanohydrin		123	1541	75-86-5		Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Dihydroxyacetone		123	45888	96-26-4, 62147-49-3, 26776-70-5		Australia	English	Sigma-Aldrich (Merck)

Grouping by CW number

Document Type

- Gold 341
- Vendor 87

Vendors

- Sigma-Aldrich (Merck) 428
- Alfa Aesar (part of Thermo Fisher Scientific Australia Pty Ltd) 28
- Merck 74
- Chem Service 28
- Chem-Supply 24

Countries

- Australia 428
- Italy 227
- France 209
- Spain 189
- Norway 178

Languages

- English 428

- Select  the **Vendors** checkbox by a specific vendor of interest to render (display or load) the Vendor SDS document list to view available SDS by issue date(s)

Material Name	Part No.	CW NUMBER	CAS	Tags	Red Flag	Country	Language	Vendor
ACETONE	123	44-5107				Australia	English	Blackwoods
ACETONE	123	47-7861				Australia	English	ROWE SCIENTIFIC
ACETONE	123	8122-59				Australia	English	HIChem Industries
Acetone	123	8122-59				United States	English	Hach (a part of Dan...
ACETONE	123	1090	67-64-1			United States	Spanish	Matheson Tri-Gas
acetone	123	1090	67-64-1			Australia	English	Ace Chemical Company

- Select the specific **Country** checkbox to use the filter panel for further sieving through the list. In this case, filters are used, otherwise if the country and language is not specified, the system may not be able to track the exact product's location in any folder.

Track	Name	Part No.	CW NUMBER	CAS	Tags	Red Flag	Country	Language	Vendor
<input type="checkbox"/>	acetone	123	1090	67-64-1			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Acetone	123	8122-59				Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Acetone	123	4607-30				Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Hydroxyacetone	123	39268-7	116-09-6			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Hydroxyacetone	123	1166499				Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Acetone oxime	123	17119	127-06-0			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Benzylacetone	123	39405	2550-26-7			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Fluoroacetone	123	39841-7	430-51-3			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	phenylacetone	123	36059	103-79-7			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	BENZOYLACETONE	123	50807	93-91-4			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Diacetone acrylamide	123	39658-1	2873-97-4			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Muscle acetone powder	123	10101345				Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Benzylideneacetone	123	51987	122-57-6			Australia	English	Sigma-Aldrich (Merck)
<input type="checkbox"/>	Acetone cyanohydrin	123	1541	75-86-5			Australia	English	Sigma-Aldrich (Merck)




- Press the **Track** icon next to the material name in the search results grid
- Select the tracked folder location node to display the list and confirm that the material is located in that folder.



**i** If the material or chemical or product is available in your inventory, a folder will be identified (highlighted) from the tree structure.

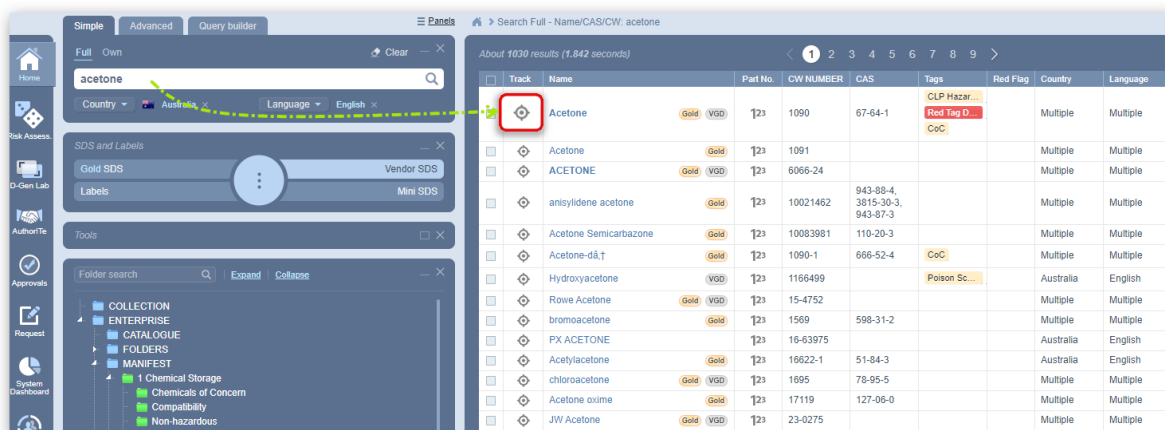
### 2.4.9.1 Track Material Residency in Current Folder

The Manifest grid tracking icon has been enhanced with colour coding to identify **SDS residency** in a current folder. The current folder's inventory line items will display any of the following tracking colour coding depending on where the material actually resides in a particular folder structure. The table below provides tracking icon description and respective function for materials listed in a particular active (currently viewed) folder content.

Table: Track Icons Colour Code Description

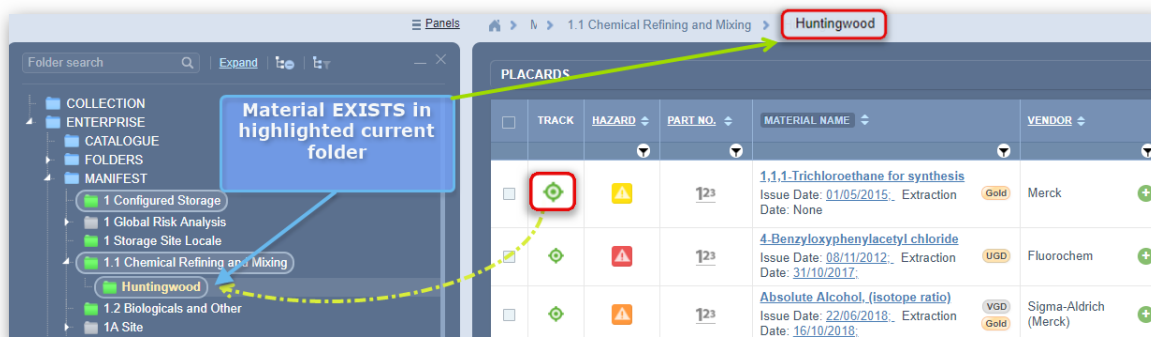
Track Icon	Colour Code	Function
	Red	If the material track icon within a row in the Manifest grid is <b>red</b> , this means that the material is <b>NOT in the current folder</b>
	Yellow	If the material track icon within a row in the Manifest grid is <b>yellow</b> , this means that there are materials in both the current folder and subsidiary folders
	Green	If the material track icon within a row in the Manifest grid is <b>green</b> , this means that the material <b>exists in the current folder</b>


 Note that when a search for materials is performed, the search results (if found) will be displayed with a grey colour coded default tracking icon , which in turn can be used to track if there's any folder location for a specific material in your own folder structure.



Tracking a material from the Manifest grid will highlight the respective folders where the material is located within the folder structure.

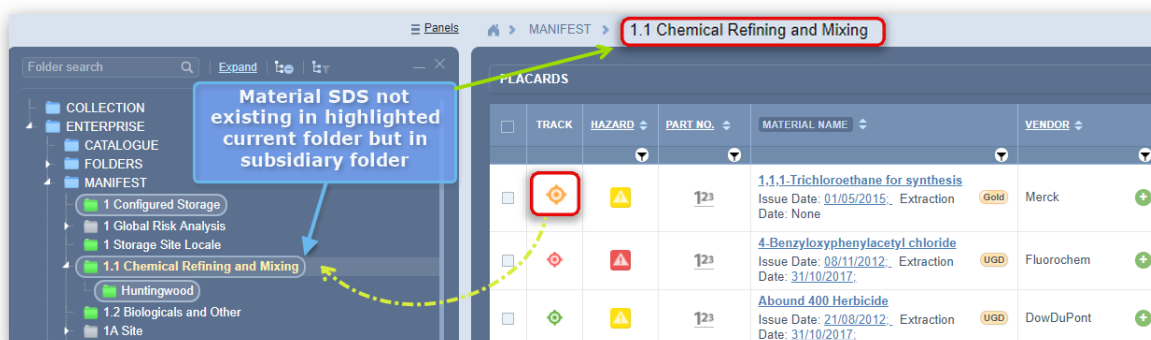
Tracking a Material in Current Folder using the Green Track icon 



 Green The material track icon within a row in the Manifest grid is **green**, this means

that the material **exists in the currently selected folder**.

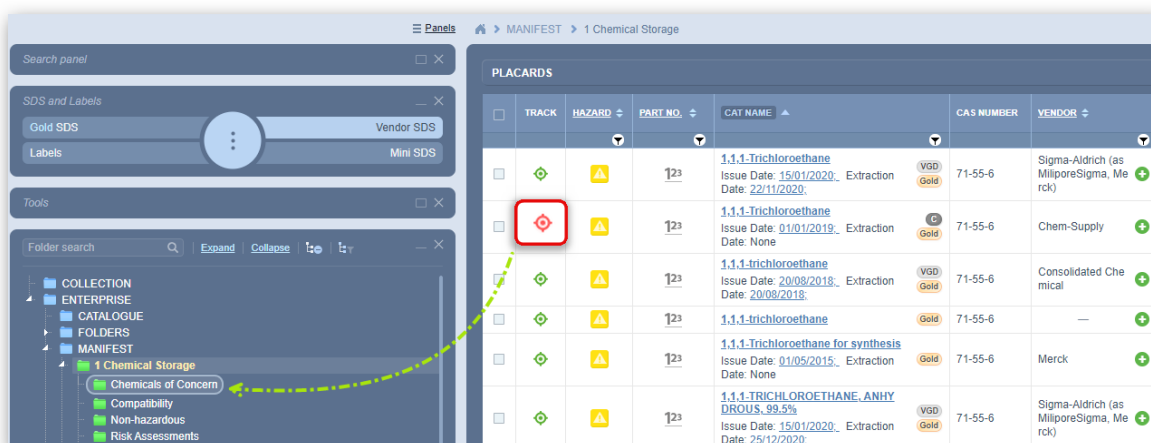
### Tracking a Material in Current Folder using the Yellow Track icon



Yellow

The material track icon within a row in the Manifest grid is **yellow**, this means that there are materials in both the **currently selected folder and its subsidiary folders**.


### Tracking a Material in Current Folder using the Red Track icon



Red

The material track icon within a row in the Manifest grid is **red**, this means that the material is **NOT in the currently selected folder (parent)**.

## 2.4.10 Add General or SDS Notes for a Material

The “Notes” column in Manifest grid if enabled  will automatically be made available in the grid.

TRACK	HAZARD	MATERIAL NAME	CAS NUMBER	RISK STATEMENT	VOL / WT	MET	DG	S1	PKG
		1,1,1-trichloroethane	71-55-6		40.00 L				
		2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C	80333-68-2	R33,R45(2),R50/53,R58	0.00 L		7		None
		290 Adhesive/Sealant			0.00 L				None
		acetone	67-64-1		10.00 L				
		ABOUND 400 HERBICIDE			350.00 L				
		acetone-D6	666-52-4	R11,R66	25.00 L		3		II
		Ammonium magnesium phosphate hydrate			0.00 L				
		Asc-500 Eesomeprazole sodium			80.00 L				None

Once enabled from the grid's right-click context menu's checkbox "Note", it will be added in the grid headers as a "Note" column.

HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE	GENERAL NOTE
	123	1,1-Dibromo-2,2,2-trifluoroethane	354-30-3	Matrix Scientific	R4,R22,R52,R59	0.00 kg		None	None		United States	English	
	123	5040 Indexflüssigkeit		AGR International	-	0.00 kg		None	None		Germany	German	
	123	Acetone	67-64-1	Sigma-Aldrich (Merck)	R11,R36,R66,R67	0.00 kg		II	3		Australia	English	

The Notes column has two types of notes that users can add information relevant to;

**General Note**

This option can be used to add a general information note to inform users about the material.



**SDS Note**

The SDS Note can be used to add information into the Gold SDS.

**2.4.10.1 Add General Notes for a Material**

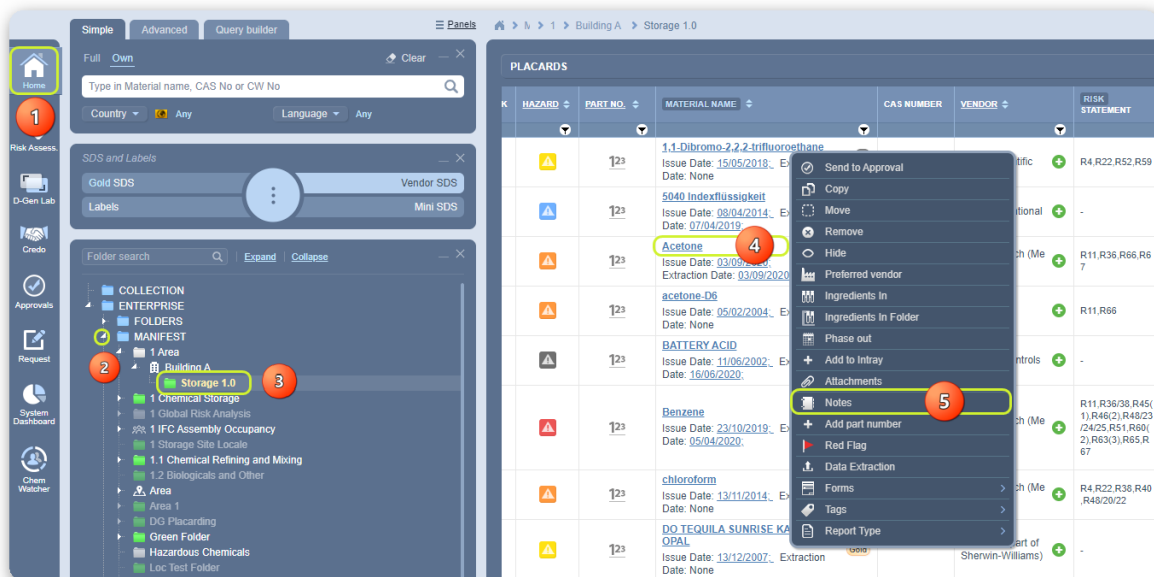
In this case, the Notes Column has been enabled. The steps below show how to add notes for a material and display the information in the grid's Note column alongside the material.

**Steps: Filter the Manifest List by Country**

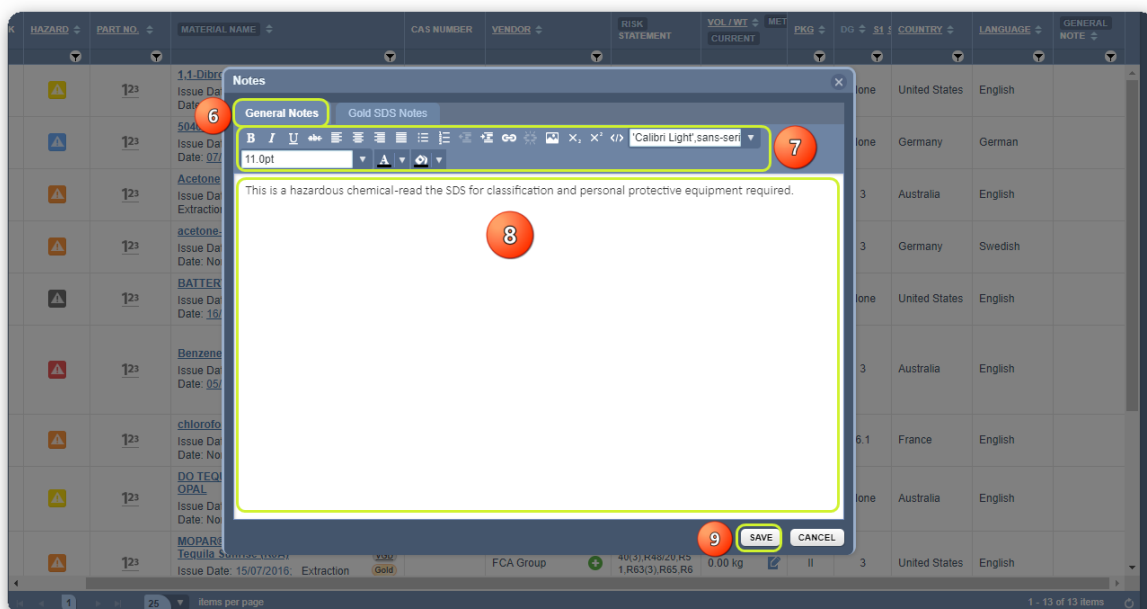
1. Open the **Home** module  (if it's not already the default module).
2. **Expand**  Manifest directory nodes to view folders.



- Press the **Folder name** where the material is located.
- Right-click the **Material Name**.
- Select **Notes** from the context menu.



- Press the **General** tab to add general information on the note for the specific material.
- Type the **information** in the free text field , e.g., This is a hazardous chemical-read the SDS for classification and personal protective equipment required.
- Use the **Notes Editor** features to modify how the information will be displayed on screen.
- Press the **Save** button.



- A confirmation message is displayed. The **Notes** button is automatically placed on the Notes Column cell alongside the material name.



MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE	GENERAL NOTE
1,1-Dibromo-2,2,2-trifluoroethane Issue Date: 15/05/2018; Extraction Date: None	354-30-3	Matrix Scientific	R4,R22,R52,R59	0.00 kg		None	None	None	United States	English	
5040 Indexflüssigkeit Issue Date: 08/04/2014; Extraction Date: 07/04/2019		AGR International	-	0.00 kg		None	None	None	Germany	German	

11. Hover mouse pointer over the notes button to view information.

MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG	DG	S1	COUNTRY	LANGUAGE	GENERAL NOTE
1,1-Dibromo-2,2,2-trifluoroethane Issue Date: 15/05/2018; Extraction Date: None	354-30-3	Matrix Scientific	R4,R22,R52,R59	0.00 kg		None	None	None	United States	English	
5040 Indexflüssigkeit Issue Date: 08/04/2014; Extraction Date: 07/04/2019		AGR International	-	0.00 kg		None	None	None	Germany	German	


This is a hazardous chemical -read the SDS for classificatio...

## 2.5 Data Extraction in Manifest Module

The main objectives of this section cover how to use the data extraction tool to extract specific information from the product SDS by using the various sections of the Credo-like form to:

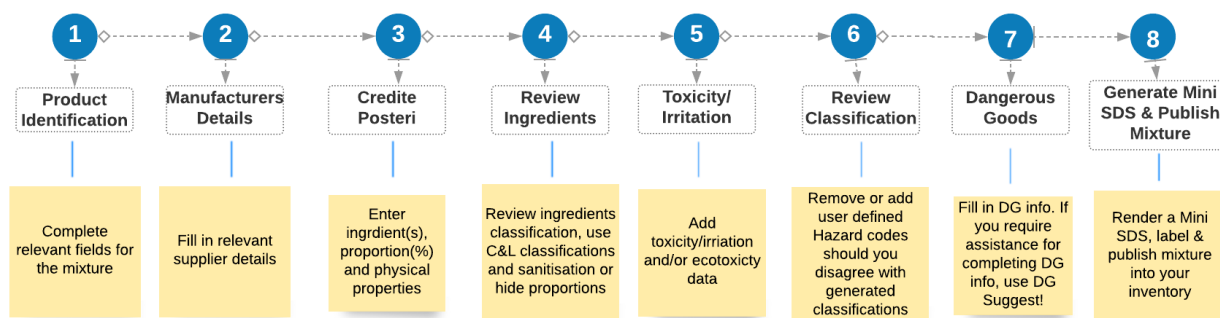
- Identify the product from the vendor SDS and input specific information
- Input the manufacturer details
- Search for ingredients, input proportion% and physical properties
- Review ingredients hazards classification
- Extract hazards classification
- Input dangerous goods classification data
- Render auto-suggested dangerous goods classification information
- Generate report documents for data extracted information



The Data Extraction Tool's primary purpose is to enable users to extract information about a product SDS for the calculation of hazard category and input dangerous goods classification data. It is merely designed for ease of navigation through a Credo-like form and is accessible from the material's **right click**  **menu** or the **tool's panel**. The image below shows the material name right click menu from the grid.

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL./WT. CURRENT	MET	PKG	DG	S1	COUNTRY
		?	2XX SE...		Alcoa		0.00 L					United States
		A	Acetone		Chem-Supply	AUH066, H225, H319, H336	0.00 kg		II	3		Australia
		?	ACTRO...		Actrol Parts (a division of GSA Industries)	H280	0.00 L		None	2.2		Australia

The chronological flow of the data extraction process is depicted in the stages below.




Before starting with a worked example; the sections below describe each stage of the process and the information to consider prior to creating a mixture or using the data extraction tool. All information input into the various sections of the form will feed into the final calculation of the classification of the mixture (material).

## 2.5.1 Overview of the Data Extraction Tool (CREDO Form)

The **Data Extraction Tool (DET)** utilizes a CREDO Form in both the Manifest and Risk Assessment modules. Data extraction is a user defined tool within the application to enable users to extract data from a Vendor SDS for the purpose of assigning classification codes for material/product that does not have a corresponding Chemwatch classification or VDG. The classification data is used to provide the hazards and dangerous goods classification of the material/product and the applicable Chemwatch hazard ratings in Manifest and Risk Assessment modules. Once the information is available, this enables the system to be used to benefit users with a number of features that can be useful in generating certain hazard classification related reports. The following module/documents/reports are applied as per Chemwatch rules.

Module/Document/Tool	Availability (-/+)	Notes
Gold SDS	-	Gold SDS cannot be viewed in DET
Mini SDS	+	Full Mini (M)SDS report is available, based on data extracted. <i>Note: The main Chemwatch Gold based Mini is NOT available.</i>
Labels	+	Labels are available, based on data extracted. Note that the <i>main Gold SDS based Labels data are NOT available.</i>
Report Generator Tool	+	Only a limited number of data points can be used in this tool
Manifest module	+	Data extraction available to use in Manifest module
Risk Assessment module	+	Data extraction is also available to use in Risk Assessment module. Note that data extraction conducted in the Manifest module will be transposed to the Risk Assessment module.

## 2.5.2 Data Extraction Tool (DET)

Materials that are assigned a hazard icon question mark  do not have a Chemwatch Gold SDS or VGD data and therefore, classification information cannot be viewed in the Manifest grid or Risk Assessment grid; which means that there are no hazard ratings to know whether the material is **hazardous** or **non-hazardous** unless the user renders and reads the specific Vendor SDS to find the information.

HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD STATEMENT	VOL./WT	MET	PKG	DG	S1	COUNTRY
?	123	2XXX SERIES ALLOY_RA163 Issue Date: 23/09/1994. Extraction Date: None		Alcoa	-	0.00 L					United States
⚠	123	Acetone Issue Date: 01/12/2019. Extraction Date: 15/03/2020. VGD Gold	67-64-1	Chem-Supply	AUH066,H225,H319,H336	0.00 kg		II	3		Australia
?	123	ACTROL R507 Issue Date: 28/06/2016. Extraction Date: None. VGD Gold		Actrol Parts (a division of GSA Industries)	H280	0.00 L		None	2.2		Australia

DET helps to assign the hazard classification codes and dangerous goods codes to such materials by referencing the classification data provided in the Vendor SDS.

Some Comparisons: Materials with data extraction versus those without data extraction

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL./WT	MET	PKG	DG	S1	COUNTRY
?		123	2XXX SERIES ALLOY_RA163 Issue Date: 23/09/1994. Extraction Date: None		Alcoa	-						United States
?		123	Acetylene (Size D)			-						
⚠		123	ACETYLENE-D2 (GAS) 99% Issue Date: 28/07/2006. Extraction Date: 19/12/2016. VGD Gold	1070-74-2	Sigma-Aldrich (Merck)	AUH001,AUH006,AUH019,AUH044,H220,H224,H280	0.00 kg			2.1		Australia
?		123	ACTROL R507 Issue Date: 28/06/2016. Extraction Date: None. VGD Gold		Actrol Parts (a division of GSA Industries)	H280				2.2		Australia
?		123	Ammonium magnesium phosphate hydrate Issue Date: 14/02/2019. Extraction Date: None									Australia
?		123	CAUSTIC SODA 50% Issue Date: 06/06/2017. Extraction Date: None		Univar	-	0.00 kg					United States


**Vendorless records cannot be used to extract data**

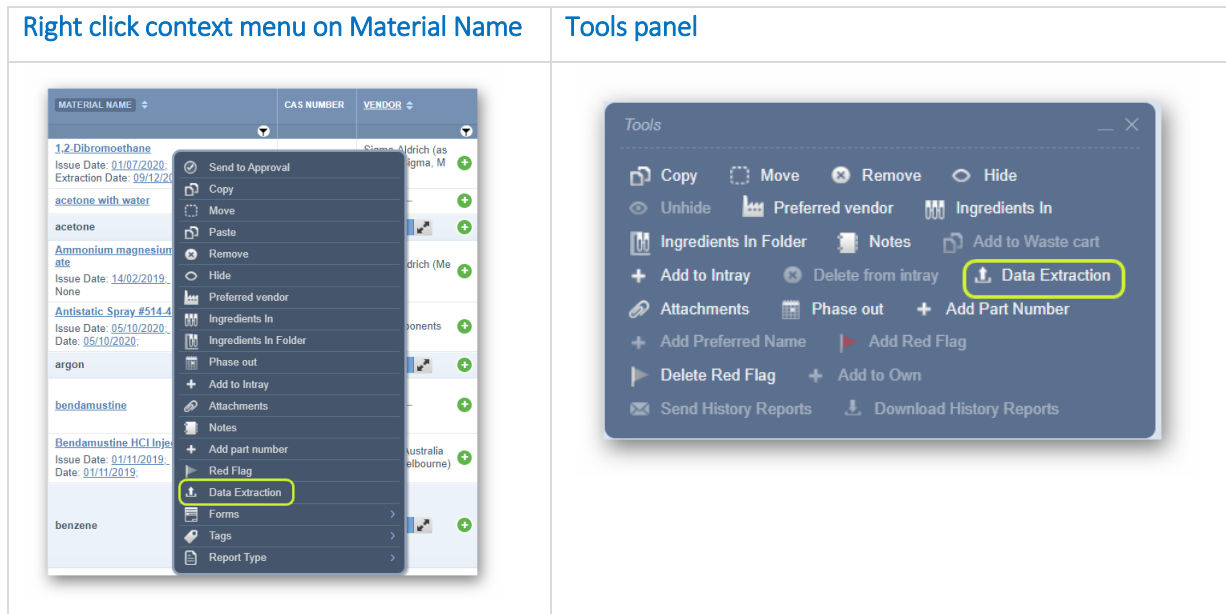
**If Extraction Date is available then VGD icon is displayed.**

**If Extraction Date is None and Vendor SDS available, then data can be extracted where applicable.**

Data Extracted	Data Not Extracted
Vendor SDS available with VGD extracted.	Vendor SDS not available (Vendorless records) will show no VGD. <i>Vendor SDS must be added into database.</i>
Gold SDS classification with VGD available.	VGD not available (not extracted).
Filtering a Manifest list where classification data is available.	Filtering a Manifest list will exclude materials without VGD or UGD extracted.
Report Generator data points can be used to export classification information.	Report Generator data points cannot be used to export classification information without VGD or UGD data.
Materials with Gold SDS classification with VGD available can be risk assessed.	Materials without Gold SDS classification with no VGD available cannot be risk assessed.
Mini SDS, labels and emergency reports for the material can be generated.	No Mini SDS, labels and emergency reports available if there is no VGD or UGD classification data.

Data extraction in Manifest module can be achieved by using one of the two options below:

- Right click  context menu on the Material/Cat Name
- Tools panel





### CREDO Form tabs in DET

The CREDO Form tabs to use in the data extraction process are: Product Identification, Manufacturers Details, Credite Poster, Review Ingredients, Extract Classification, Dangerous Goods, PCode.



Once the materials that do not have Gold classification data have been extracted in the Manifest module, this data will be automatically transposed to the Risk Assessment module for that particular material/product and will be designated with the Risk Assessment Status;

**Review Required icon** 

Risk Assessment Status Before	Icon	Risk Assessment Status After Completion
Review required		

### 2.5.2.1 CREDO Form Tab - Product Identification Description

The Product Identification tab contains a form that enables users to fill in the fields as part of the identification of the material or mixture. The following fields are generally provided with information (where applicable) from the database by default and cannot be deleted or edited (greyed out by default).

- eSDS
- Language
- Catalogue name
- Issue date

The table below provides description of each data point in the Product Identification form and how they can be used to identify the material or mixture.

Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user data input options to define the material. Note that some data points are drawn by default from the database for the existing material.</i>		
eSDS (checkbox)	An “extended SDS” that is much longer and detailed than the standard SDS and an additional annex containing one or more exposure scenario(s).	This checkbox must tick if the SDS has an exposure standard section after section 16 of the SDS.
Language	The system will automatically populate the language detected for the SDS.	Default language selected. Data point cannot be edited.

Data Point	Description	Notes on Use of DET Form (Data Point Use)
SDS Type	Dropdown option to choose the type SDS; GHS or DSD/DPD, Non-GHS/DPD	Used to assign the type of SDS as per classification rules used in respective jurisdiction.
Catalogue Name	Cat Name is the product name	Cat name for the material
REACH Reg. No	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals for the European Union	REACH Registration number should be entered in this field for pure chemicals (optional). Can be sought in Section 1 of the European GHS SDS.
Issue Date	This is the date when the SDS was issued (dd/mm/yyyy).	The issue date is automatically assigned by default from the database. This field cannot be edited.
EC No.	European Council number assigned to a substance.	EC No. can be found in Section 1 of the SDS. If no data is found, this field can be blank.
Uses	This is the product use details “text field” to enter the use or purpose of the product/substance.	Define the use of the product. Can be sought in Section 1 of the SDS. If no data is found, leave this field blank. Do not translate this field; use the exact language of the SDS.
REACH Uses	Uses based on REACH regulations.	Choose the applicable REACH use from the dropdown list of REACH Uses.
Synonyms	Some SDS have product codes; others have trade names, part numbers or other names for the same material.	Enter the applicable synonym for the material. Field can be left blank.

### 2.5.2.2 CREDO Form Tab - Manufacturers Details

The Manufacturer’s (Company) details are drawn from the database by default based on the existing Vendor SDS details in section 1. These fields are greyed out and cannot be edited.

**MANUFACTURERS DETAILS**

Company Name

Address

Telephone 1

Telephone 2

Emergency Organisation

Emergency 1

Other Emergency Number

Fax

Email

Website

If the vendor details are different for your material, preferred vendor can be assigned to the material through the preferred vendor and the respective association by country and language in Settings. Contact the domain administrator if you do not have access to add preferred vendor in your user account.

### Manufacturer's Details and Preferred Vendors Update

Due to high demand, we have improved the way we display the supplier details on the SDS. The SDS now contains both Supplier Details set via **Preferred Vendors** tab and **Manufacturer's Details**. The Preferred Vendor details can be set in the SDS Settings' Preferred Vendor tab.



Users with the applicable Preferred Vendor privileges can add new suppliers and also upload respective logos to be shown in section 1 of their SDS from the Preferred Vendor Form in SDS Settings. Below is an example of preferred vendor details filled in the form for Great Britain, England.

Supplier name: Vendor 2 GB

Street: Street 2

State: England

Postcode: SW1W 0NY

Country: Great Britain

Telephone: +44 567 788 889

Emergency organization: ER 2

Emergency telephone: +44 567 788 889

Emergency telephone2:

Fax:

Email: vendor2@company.com

Website: vendorcompany2.com

Vendor is defined for: Great Britain

Without logo (selected) / User

Upload Logo: SELECT FILES...

Position: Left (selected) / Center / Right

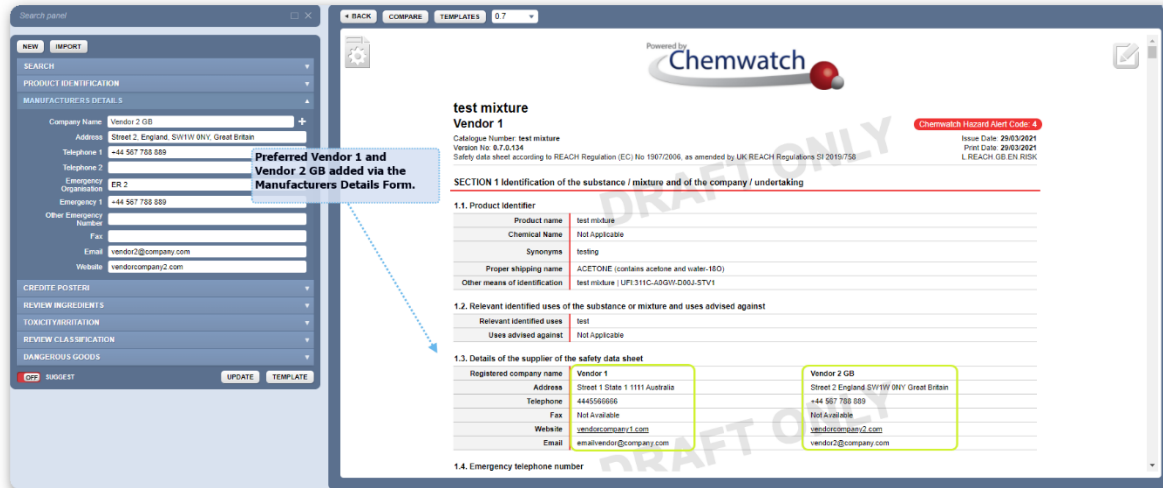
Size: [Slider]

No logo

SAVE CANCEL

In AuthorITe, the **Manufacturers Details Form** allows users to add multiple preferred supplier details to appear in the SDS as shown in the example below; Vendor 1 and Vendor 2.





**i** Users that do not have access to add Preferred Vendors in their AuthorTe program must contact the domain administrator of the system to be granted the respective privileges or consult with your Chemwatch Account Manager via Chemtorage help and support available on the bottom right corner of the user interface.

### 2.5.2.3 CREDO Form Tab - CREDITE POSTERI Description

The CREDO Form tab allows the assignment or search for ingredients. At least one ingredient and corresponding proportion (composition) is required; the form will not save the data extracted if required information is not provided. Ingredient(s) information can be source from Section 2 of the Vendor SDS. CREDITE POSTERI means Physical Properties.

**CREDITE POSTERI**

NAME/CAS NO.	PROPORTION %
1	?
2	?
3	?

State: --Select--

Water Solubility: --Select--

pH: ?      pH as a solution: ?

at: ? %

Flash Point (C): ?      SG/Density (g/cm<sup>3</sup>): ?

Lower Explosive Limit (%): ?      Upper Explosive Limit (%): ?

Boiling point/Range (C): ?      Melting point/Range (C): ?

Autoignition Temperature (C): ?      Decomposition Temperature (C): ?

Volatiles (%vol): ?      Molecular Weight: ?

Relative Vapour Density: ?      Vapour Pressure (kPa): ?

Viscosity (cSt): ?      Total VOC g/l: ?

Evaporation Rate: Not Avail...      MORE

Appearance: ?

Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user to input specific ingredient(s) and the respective proportion(s) %. Note that the Credite Posteri (physical properties) fields are more applicable when creating a mixture.</i>		
Name/CAS No fields	Ingredient (s) fields and the respective ingredient proportion %	Enter the components of the mixture (ingredients) and the corresponding percentage in the mixture/product. These fields can be left blank if user is NOT creating a mixture or does not wish to extract this type of data.
Proportion %	This the ingredient composition in the mixture/product	Enter the percentage composition of the ingredient.
State	This is the state property of the product.	Choose the applicable state of the product from the drop-down list (liquid, solid, compressed gas, etc.)

#### 2.5.2.4 CREDO Form Tab – Review Ingredients





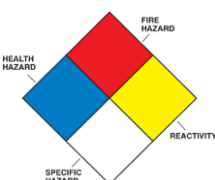
The Extraction Classification form enables users to assign the corresponding Risk (R) Codes or Hazard (H) Codes. The risk or hazard classification codes can be source from Section 2 of the Vendor SDS.

Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user to extract classification data by choosing the applicable SDS format; GHS (CLP) and/or hazard plus (Risk Codes hazards).</i>		
GHS (CLP)	GHS (CLP) classification codes	Switch on the GHS (CLP) button to assign applicable codes. Identify the corresponding GHS H-Codes from the SDS and clicking on each checkbox in order to extract this data.
Hazard Plus	Risk Codes classification	Switch on the Hazard Plus button to assign applicable Risk codes. Identify the corresponding Risk (R)-Codes from the SDS and clicking on each checkbox in order to extract this data.

#### 2.5.2.4 CREDO Form Tab – Extract Classification

The Extraction Classification form (relevant to AuthorITe) enables users to assign the corresponding GHS (CLP) classification hazard (H) codes. The hazard classification codes can

be found in Section 2 of the Vendor SDS. If your user account does not have AuthorITe module, then Credo module will be active to create a mixture for your material. However, this form is available in data extraction for materials that do not have respective data extracted by Chemwatch.

Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user to extract classification data by choosing the applicable SDS format; GHS (CLP) and/or hazard plus (Risk Codes hazards).</i>		
GHS (CLP) 	GHS (CLP) classification codes	Switch on the GHS (CLP) button to assign applicable codes. Identify the corresponding GHS H-Codes from the SDS and clicking on each checkbox in order to extract this data.
Generated 	Hazard codes generated by default based on the GHS classification criteria.	If Chemwatch classification is available will be shown under this column.
Deleted 	Deleted hazard codes	If classification was deleted, those hazard codes will be shown under this column.
User Defined 	User selected hazard codes	If a user selects hazard codes from the list, those H codes will be shown under this column.
NFPA	User can add or modify NFPA data. 	NFPA is the National Fire Protection, USA coding system for the identification of hazards; health, flammability, reactivity and special hazards that a chemical may pose during a fire. These are represented by the <b>NFPA diamond</b> .

**Hazard(s) Otherwise Not Classified**

A new free text box has been added under the Review Classification tab. All texts added to this field will be reflected in Hazard(s) Not Otherwise Classified on the SDS. In Edit Mode, this field can be edited as free text, user CPs can also be added for translation purposes.

### 2.5.2.5 CREDO Form Tab – Dangerous Goods


Dangerous goods classification information is drawn from the database based on the selected material to be used to create a mixture and add the ingredients and respective proportion%. The form fields contain datapoints that are used for the classification of dangerous goods drawn from section 14 (Transport Information) of the Vendor SDS.

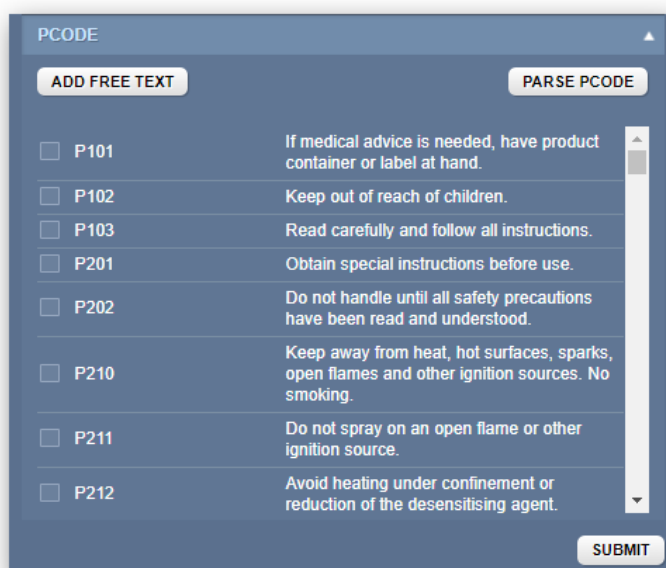
Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user to assign the respective transport classification data associated with the substance (subject to regulated material). Dangerous Goods regulatory data can be sought from Section 14 of the (M)SDS.</i>		
UN/ID Number	United Nations Identity Number	Enter identity number to look up for a UN Number in accordance with transport regulations.

Data Point	Description	Notes on Use of DET Form (Data Point Use)
Sub-risk 1/2	Subsidiary risk number options from the drop-down list	Assign the respective subsidiary risk 1 or 2 as per transport regulations.
DG Class	Dangerous Goods Class	Assign the applicable DG Class for the substance (subject to regulated material).
Packing Group	Packing Group is the number assigned to the category of the packing instructions of the dangerous goods.	Choose the respective Packing Group (I, II or III) from the drop-down list.
Poison Schedule	Australian classification system that controls medicines and poisons (TGA).	Enter the poison schedule (S#) based on the <a href="#">Poisons Standard (SUSMP)</a> , e.g., S5
Shipping Name	Standard technical name that best describes the hazard properties and composition of dangerous goods.	Enter proper shipping name than best describe the most accurate shipping name of the dangerous good.

### 2.5.2.6 CREDO Form Tab – PCode

Precautionary statement means a standard phrase that describes measures that should be taken to minimise or prevent adverse effects of a chemical assigned to a hazard class and category, where each precautionary statement is designated a precautionary code that begins with the letter P and followed by 3 digits. There are five types of precautionary statements: **General, Prevention, Response, Storage and Disposal**.

 Note the **PCODE form** is available in AuthorITe module used for creating or authoring a full SDS. If your user account does not have this module, then Credo module will be active without the PCODE form.







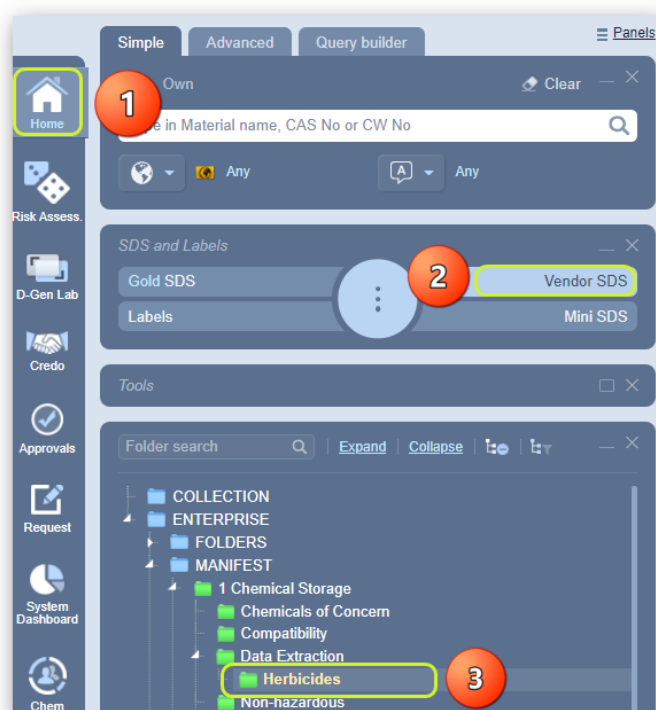
Data Point	Description	Notes on Use of DET Form (Data Point Use)
<i>This tab enables user to assign the respective Precautionary Code(s) (PCODE) for the applicable Precautionary Statements.</i>		
P-Codes and Statements	Precautionary Code and statement listed	Select the checkbox(es) applicable to the product(s)' GHS classification for the corresponding Hazard properties.
Add free text	Free text is allowable as user defined precautions.	Select the "Add Free Text" button to enter precautionary information as user defined text.
Parse	Parse the selected PCODES to match any user defined free text.	Match free text for precautionary statements entered by user. Note that text will be matched to a phrase of a P-Code.





### 2.5.2.7 Extracting Data for a Product in Manifest Module

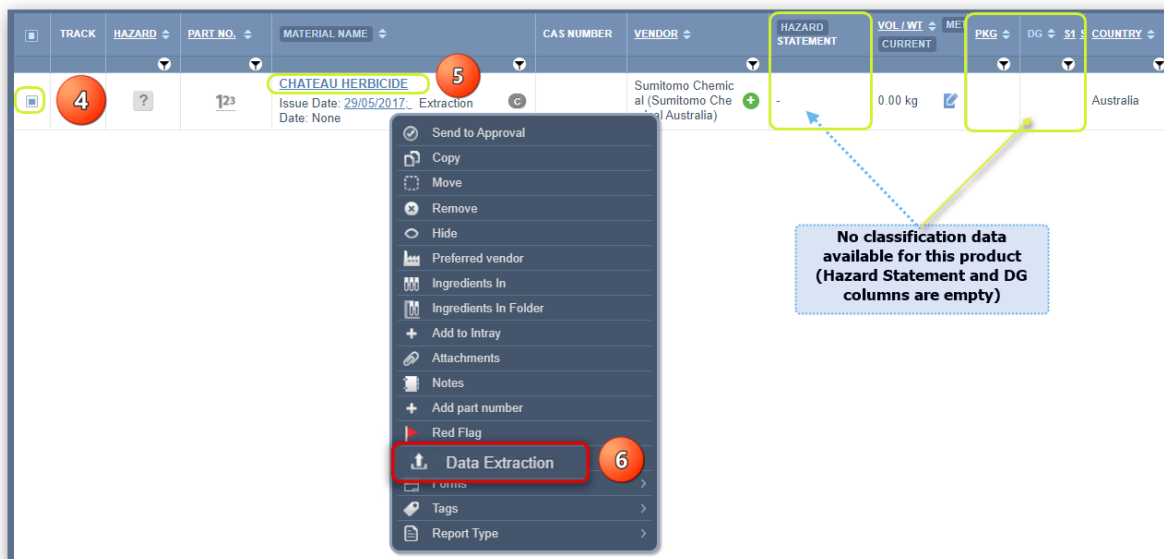
The following steps show how to perform data extraction for a material that does not have a Chemwatch classification where a Vendor SDS is available but no data extraction has been conducted by Chemwatch or a user.

#### Steps: Extracting Data for a Material (product) in Manifest Module


1. Open the **Home** module .
2. Press  the **Vendor SDS** button from the SDS and Labels panel.
3. Click  a **folder name**  under the Manifest Directory where the material is located, e.g., Area/section/**Location**.






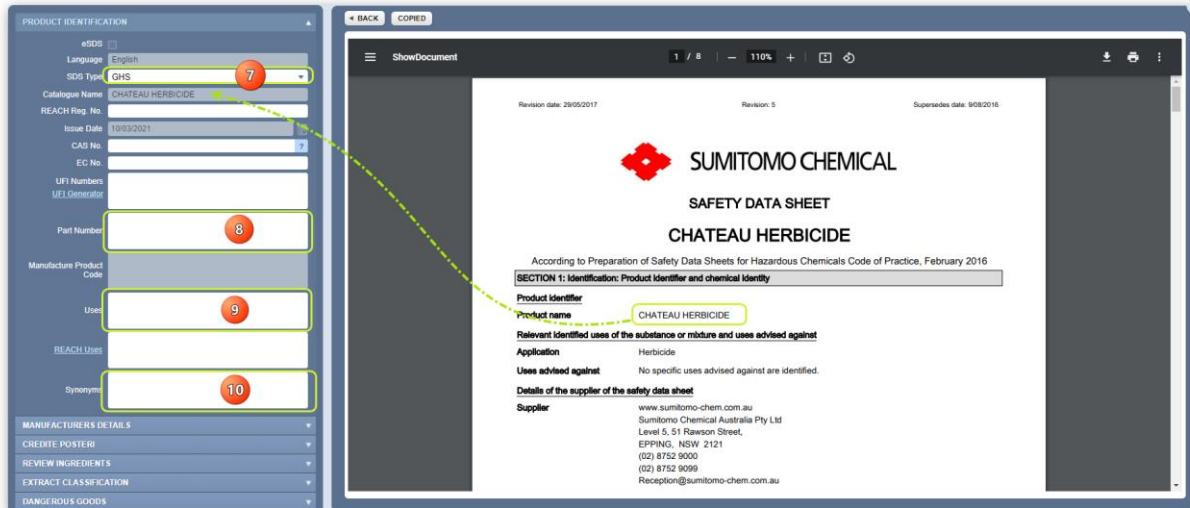
4. Select  the **checkbox** next to the material name.
5. Mouse **right click**  on **material name** to open the context menu.
6. Click  on the **Data Extraction**  option.




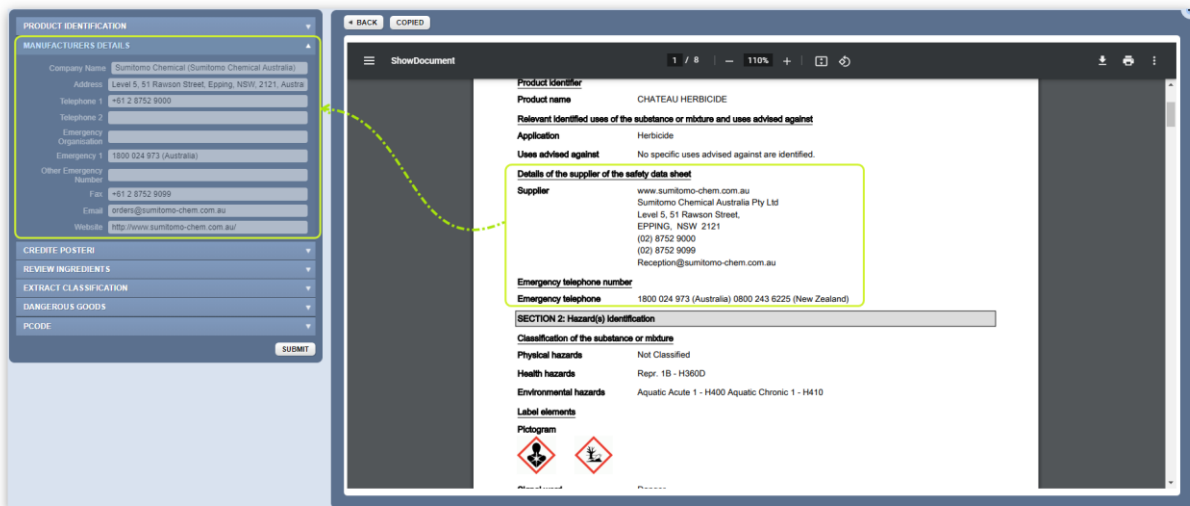
7. The data extraction tool will load the CREDO form defaulting to **Product Identification** tab and render the Vendor SDS for the material. Select the dropdown arrow for **SDS type** and choose the **GHS** option from the list.


 Note that certain fields in the Product Identification form will be prefilled for specific data based on availability of information about the product. In this example, the SDS is in English language, Catalogue Name is provided, e.g., Chateau Herbicide and the Issue date is current as 10/03/2021 and also an Australian version. Ignore REACH Reg. No., UFI Numbers/UFI Generator and REACH Uses as the product's SDS is not European but an Australian SDS. Enter the CAS No. if available from section 3 of the product's SDS.

8. Type  the **Part Number** in the part number free text field (if available in the SDS). Note that this field is optional.
9. Type  the **Uses** details in the uses free text field. Note that the use information is optional, however it is normally available in section 1 of the product's SDS.
10. Type  the **Synonyms** for this product in the synonyms text field. Note that this field is optional, however, synonyms are usually available in section 1 of the product's SDS.

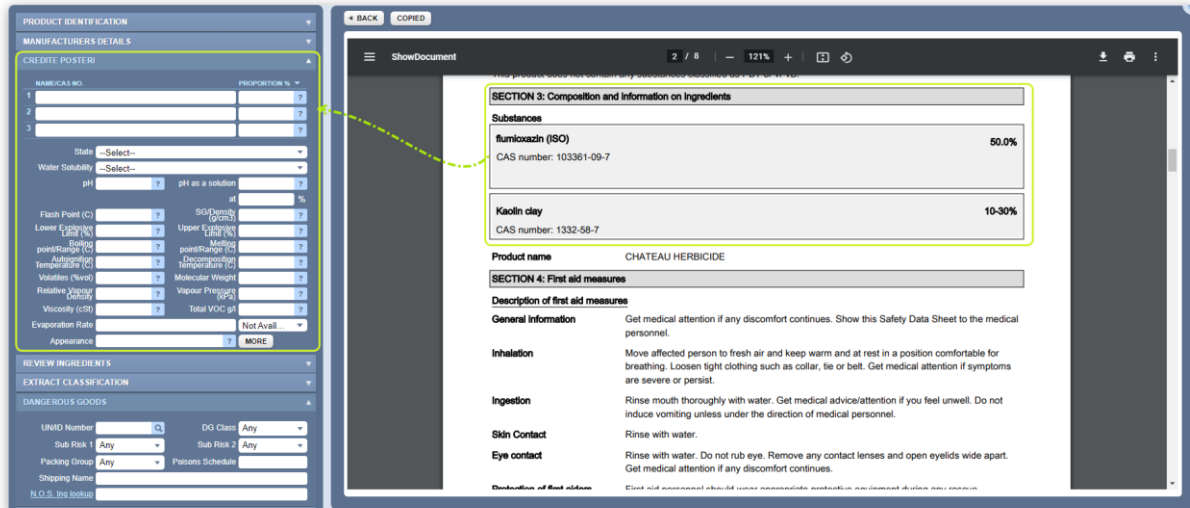


- Click  on the **Manufacturers Details** tab to check if vendor details are automatically filled from the database.



- Click  on the **Credite Poster** tab to enter the respective ingredient(s) of the product's composition. Section 3 of the product's SDS will have the ingredient(s) and composition information to use in the Credite Poster fields to look up for each ingredient and assign the respective proportion %.



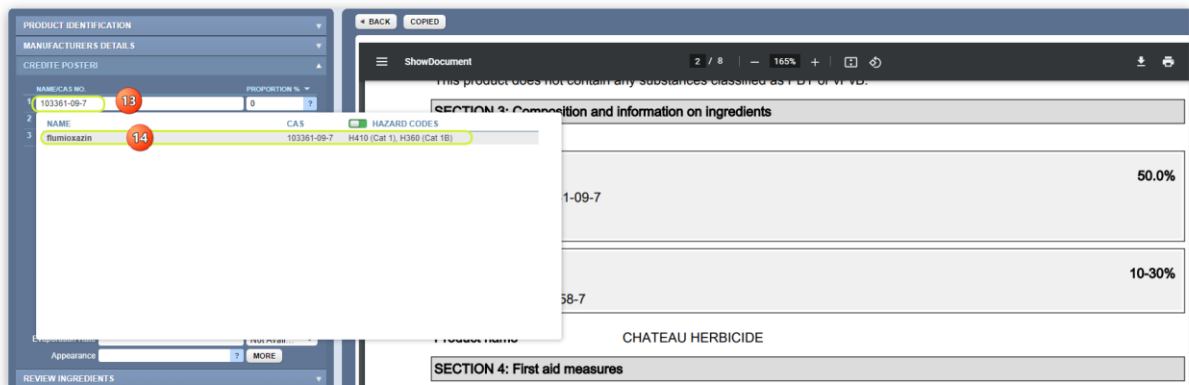


For example; the following information is available in section 3 of the product's SDS.

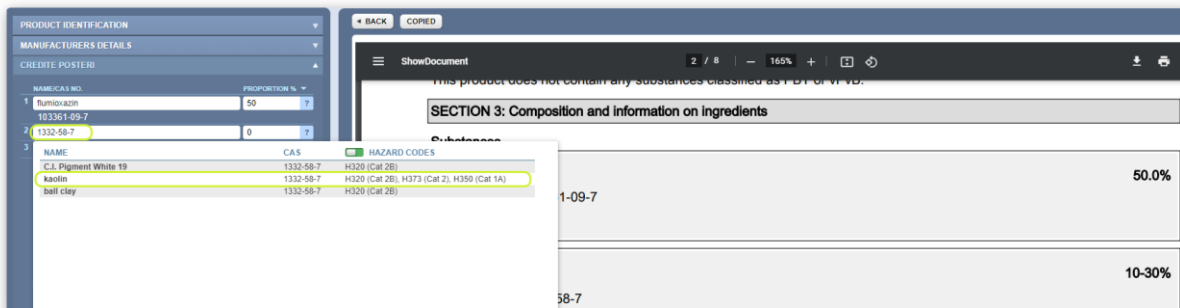
Substances	CAS Number	Proportion%
Flumioxazin (ISO)	103361-09-7	50.0%
Kaolin clay	1332-58-7	10-30%

The next steps will involve searching for these ingredients in the Chemwatch database using the Credite Poster ingredients fields.

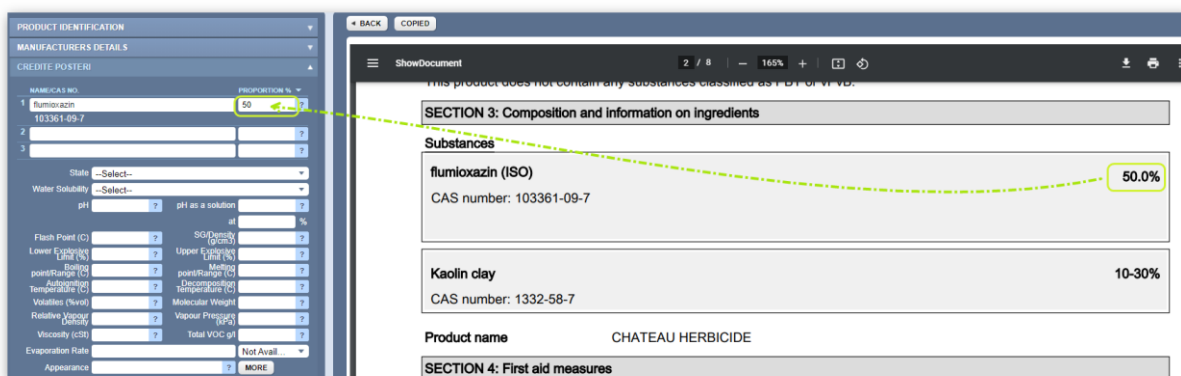
13. Type  the **Ingredient name** for a quick look up and if available in the system, then click on the dropdown listed material name that matches the respective CAS number if available or simply enter the CAS number of the ingredient if available. In this case, the CAS Number is available, e.g., 103361-09-7 for Flumioxazin.
14. Select the **name of the ingredient** from the autocomplete list



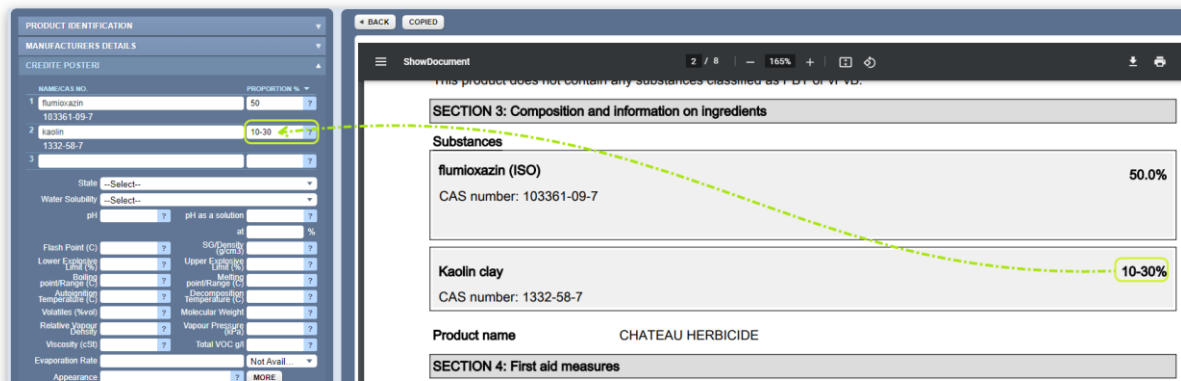
Repeat this step for the next ingredient.



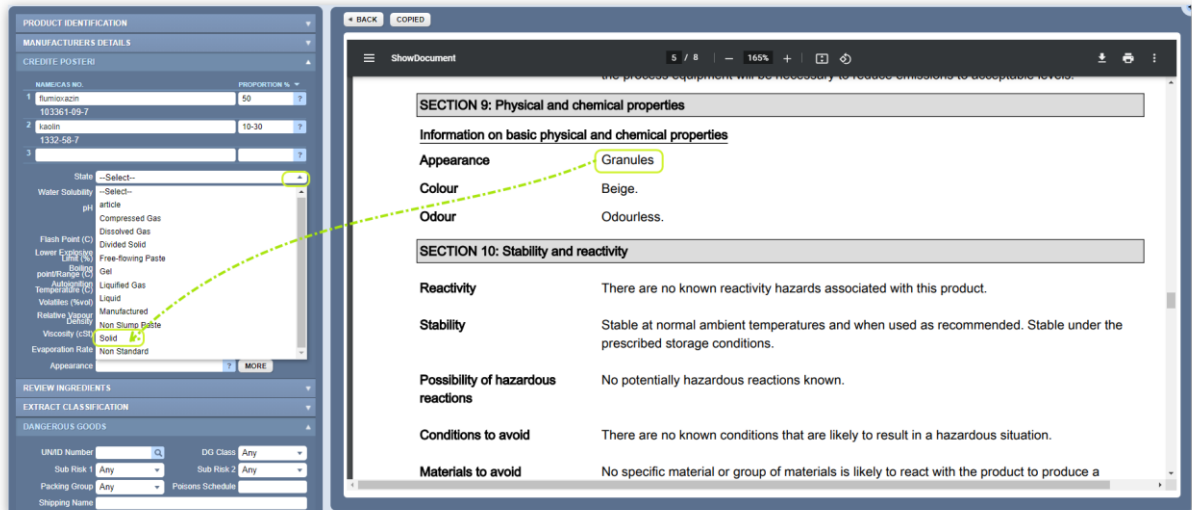
15. Enter the **Ingredients proportion %** in the Proportion % fields respectively.




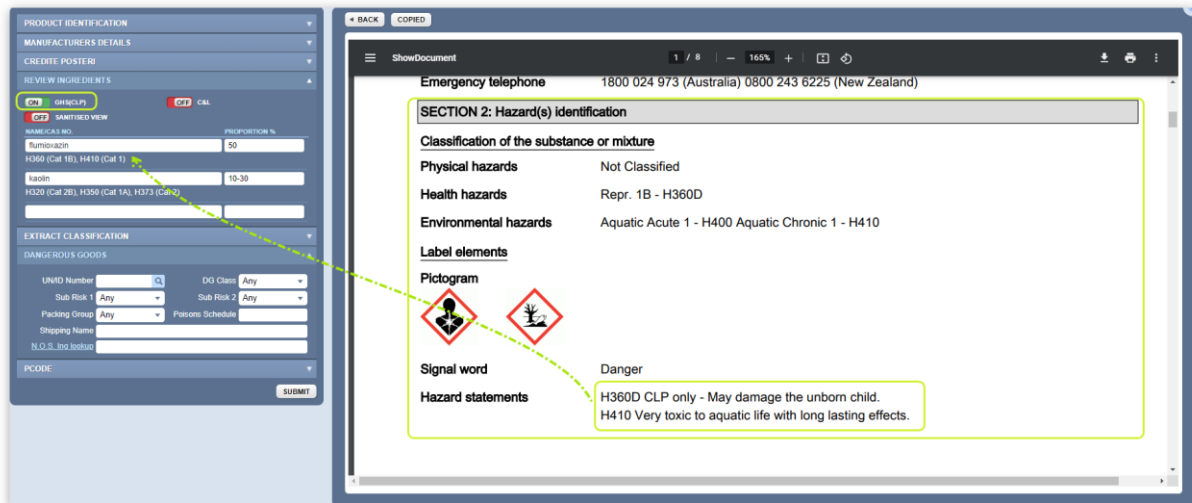
Repeat this step for the next ingredient.




16. Assign the physical **State** of the substance; solid, liquid, gas; water solubility, etc. where information is available in the product's SDS. Other specific data may be ignored if not available in the SDS or are not necessarily relevant when creating a mixture, such as pH, viscosity, relative vapour density, etc. In this exercise, the product's SDS shows that the appearance of the product as "Granules", which means it's a solid and hence we assign the physical state as "Solid".

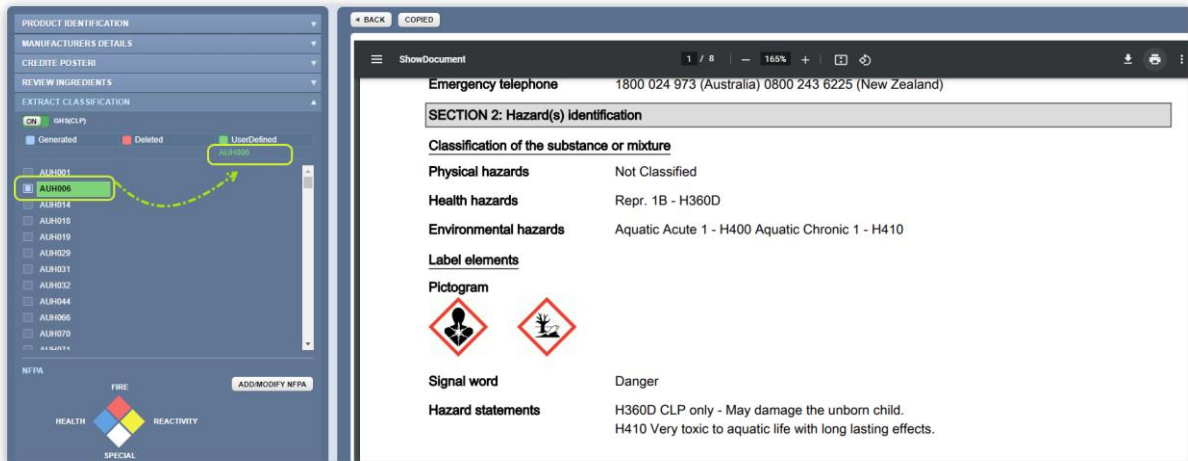


- Click  on the **Review Ingredients** tab to check if the applicable classification criteria are set to GHS (CLP) instead of C&L for each ingredient. The GHS (CLP) switch must be turned ON (green) to match the product's SDS classification as GHS in section 2. Check the respective GHS hazard codes generated by the system versus the ones that are shown in section 2 (Hazards Identification) of the product's SDS.



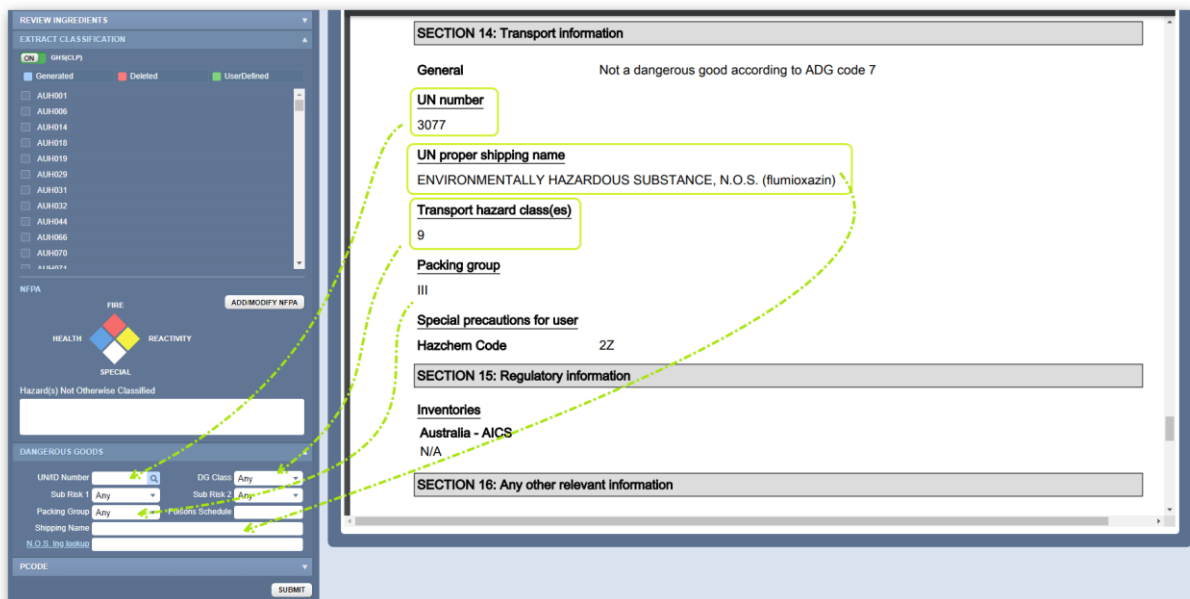
If the hazard codes and statements match, then there's no need to add any hazards.

- Click  on the **Extract Classification** tab to assign any extra applicable classification codes. In this exercise, there are no extra hazard codes to assign. If there were, use the hazard checkbox(es) to select respective hazard codes and these would appear as "UserDefined" as shown below. Note that HNOC is not applicable for Australian SDS and NFPA modification is also not applicable.

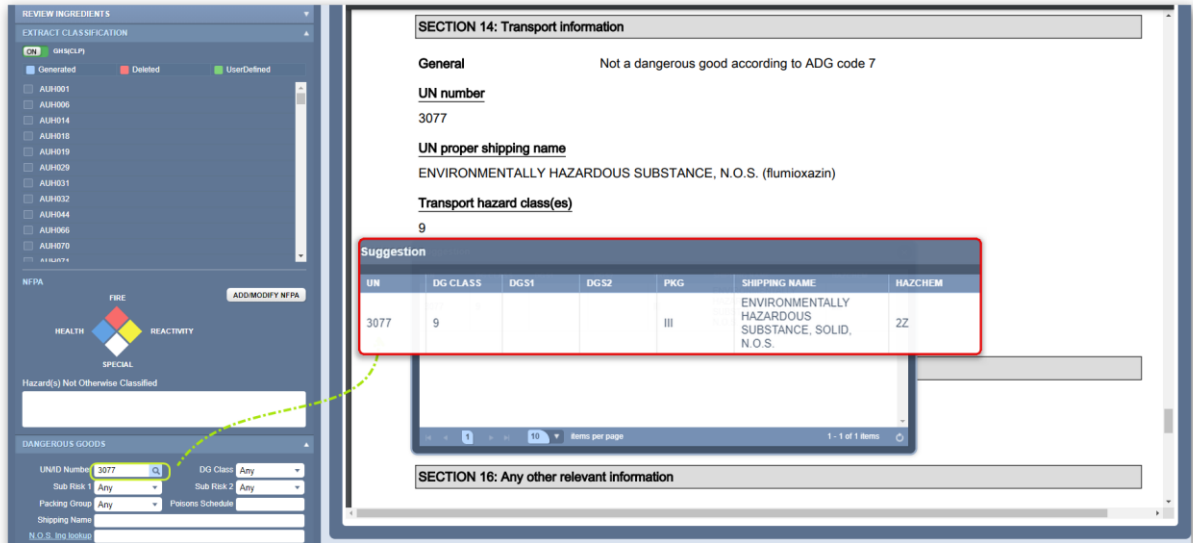


19. Click the **Dangerous Goods** tab to enter the DG classification. Note that this information is generally available in section 14 of the product's SDS. In this exercise, the product is classified as miscellaneous in accordance to the ADG code 7, transport hazard class 9. The main classification information available on the SDS is as follows:

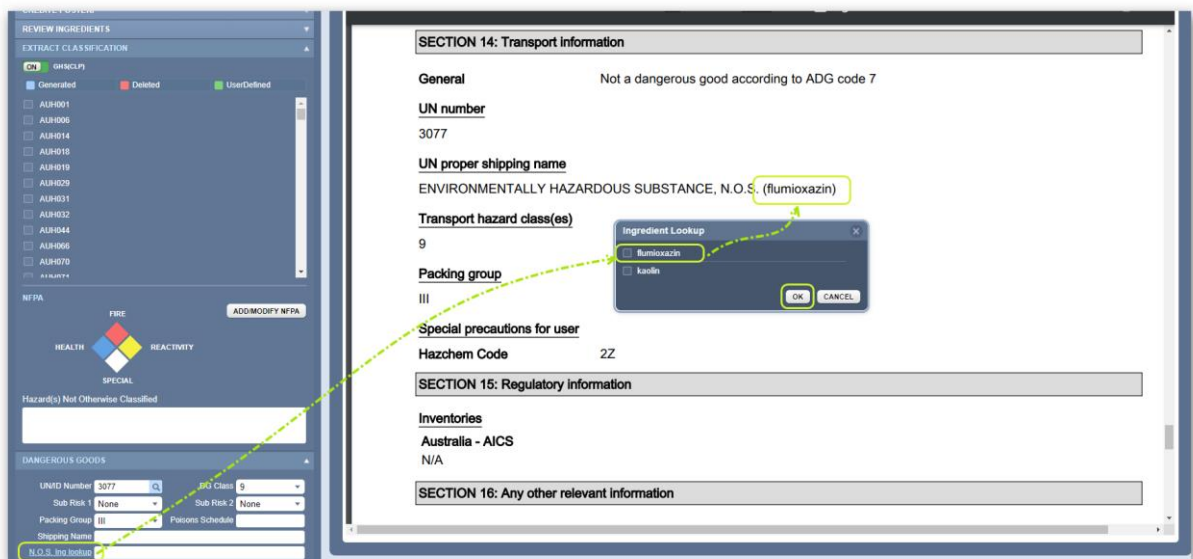
UN number	UN proper shipping name	Transport hazard class	Packing group
3077	flumioxazin	9	III



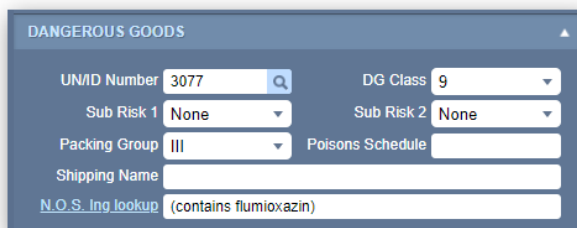
20. Type the **UN/ID Number** as shown in the SDS, e.g., 3077.
21. Click the **Look up** icon (magnifying glass) to check for suggestion of DG classification data. In accordance with the information provided in the SDS, this product is classed as DGC 9, Packing Group III.
22. Click on the **row** with matching classification data from the Suggestion window.




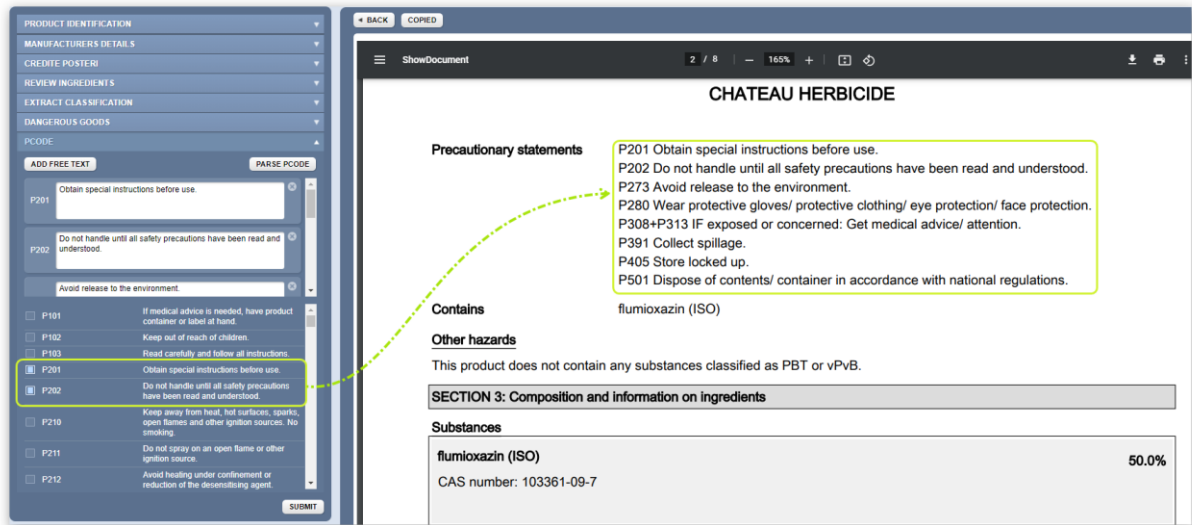
Note that the DG classification form fields will be automatically populated with the applicable data. Use the **N.O.S Ing.lookup** link to choose the respective shipping name (this must match the product's classification information on the SDS).




Once the shipping name has been identified, click the OK button and the information will be displayed on the respective field.




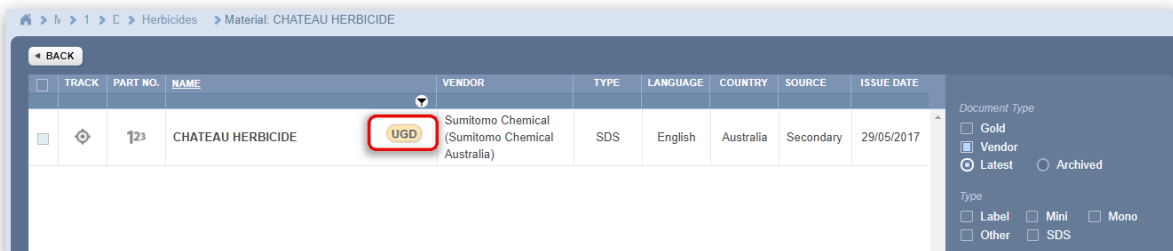
23. Click  on the **PCODE** tab. Choose the appropriate “Precautionary Code/Statements” checkbox(es) by referring to section 2 of the product’s SDS.




24. Press  the **Submit** button to save data and generate the data extraction.  
 25. Confirmation message displays – material is saved successfully.



26. Click  the **Back** button to go back to the list. Note that the record shows a “UGD” icon in the name column of the document list depicting that “User Defined Gold Data” was extracted successfully.



27. Click  the **Back** button again to view the material hazard icon assigned to it in the Manifest grid.

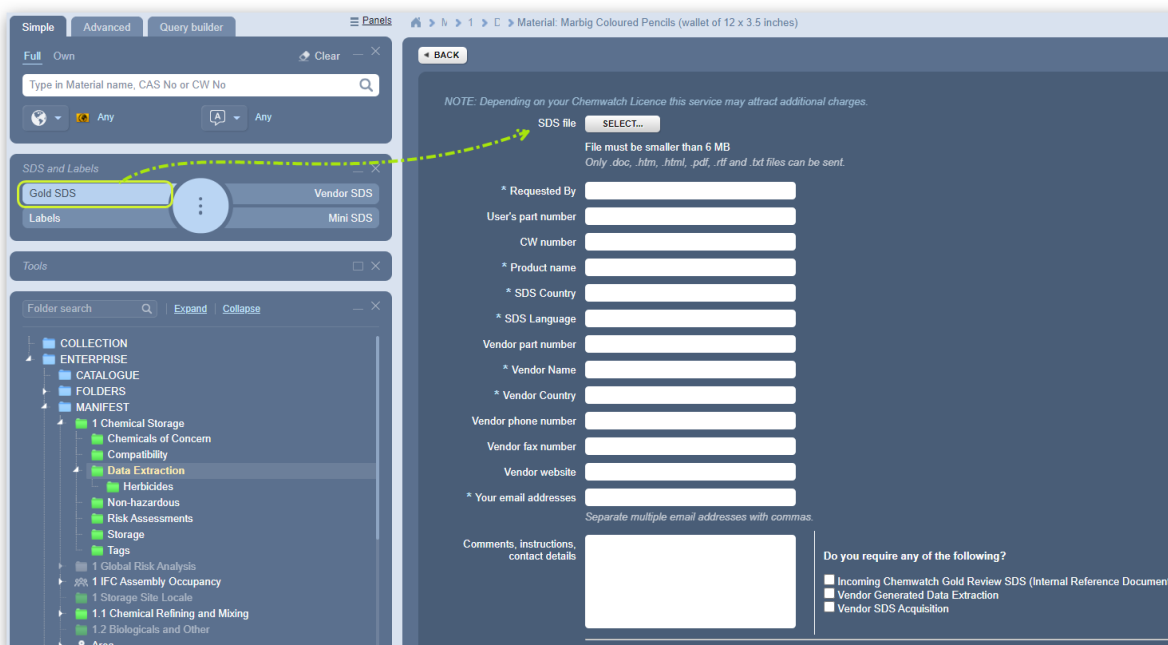


**i** Data extracted in the Manifest module will be transposed to the Risk Assessment module for that specific Vendor SDS. This will enable users to perform risk assessments for this material.

### 2.5.3 Generating Report Documents (Data Extracted Reports)

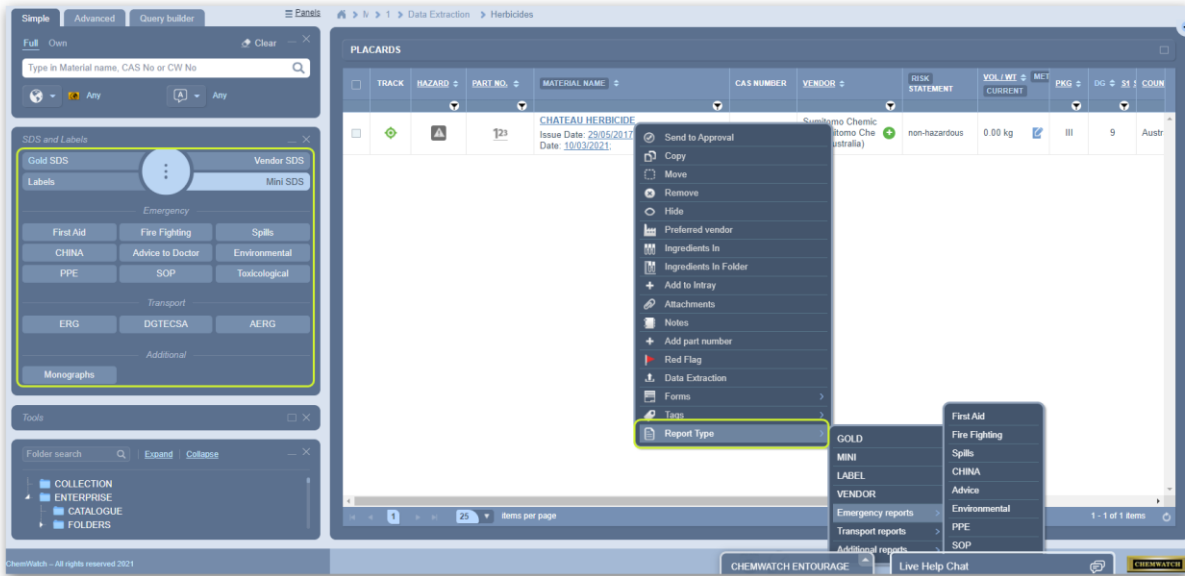
UGD generated classification enables users to generate the following reports for products that were not previously possible to render the following documents; Mini SDS, Labels, Emergency Reports, Transport and Additional Reports.


**i** Note that the Chemwatch full Gold SDS is not available for any UGD generate classification. However, VGD is required in this case. Contact your customer service account manager for more information. Depending on your Chemwatch Licence, this service may attract additional charges.







#### 2.5.3.1 Mini, Gold SDS, Labels and Emergency Reports

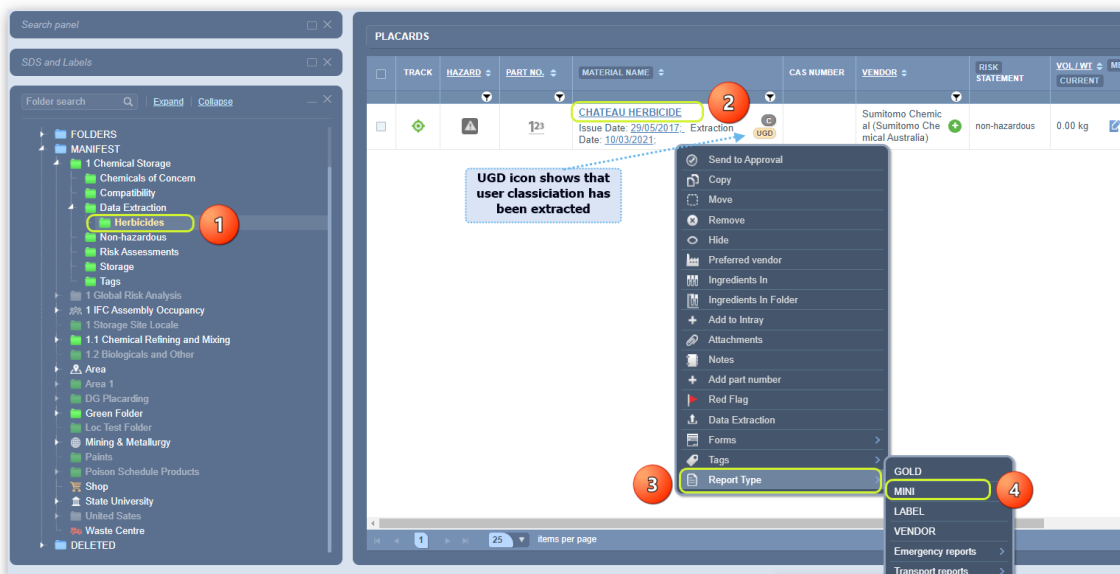
The User Gold SDS, Mini SDS, Labels and Emergency reports are available from the “SDS and Labels panel” or via the mouse right click **i** context menu’s “Report Type” as UGD based reports. The Chemwatch full Gold SDS is not available due to the non-availability of the Chemwatch classification or VGD. The full Gold SDS is authored by Chemwatch, however, when data is extracted from the Vendor SDS as user defined classification, it is possible to obtain a UGD based Gold SDS, Mini SDS, labels and emergency reports based on the user extracted data.



The following steps show how to generate UGD based reports from the mouse right click  context menu, which would be similar reports when generating these reports via the SDS and Labels panel.

### Steps

1. Select  the **folder** where UGD material is available.
2. **Right click**  on the Material/Cat name with UGD icon displayed (showing that user classification data has been extracted).
3. Hover mouse pointer  on the context menu to **Report Type** option.
4. Select  the **Mini SDS** option.





- The UGD based Mini SDS is rendered with an exclamation mark at the top left corner providing information that this document has been generated on Vendor data and the content is NOT reviewed by Chemwatch, so some parts of this document may be incomplete. The Mini SDS can be viewed as a GHS Mini or a Regular Mini and the former is shown in the image below.

Chemwatch: 10-84528 Chemwatch Hazard Alert Code: 0

**GHS MINI**

**CHATEAU HERBICIDE**

INGREDIENTS	CAS NO	%	8HR OEL
flumioxazin	103361-09-7	50	-
kaolin	1332-58-7	10-30	10 (total), 5 (resp) mg/m <sup>3</sup>

**GHS** Not Applicable **DG** UN No: 3077  
DG Class: 9  
Subsidiary Risk: Not Applicable  
Packing Group: III

**HEALTH HAZARD INFORMATION**

Signal word: Not Available

Hazard statement(s): Not Available

**Precautionary statements(s): General**  
If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

**Precautionary statements(s): Prevention**  
Obtain special instructions before use.

**Precautionary statements(s): Response**  
IF exposed or concerned: Get medical advice/attention.  
Collect spillage.

**Precautionary statements(s): Storage**  
Store locked up.

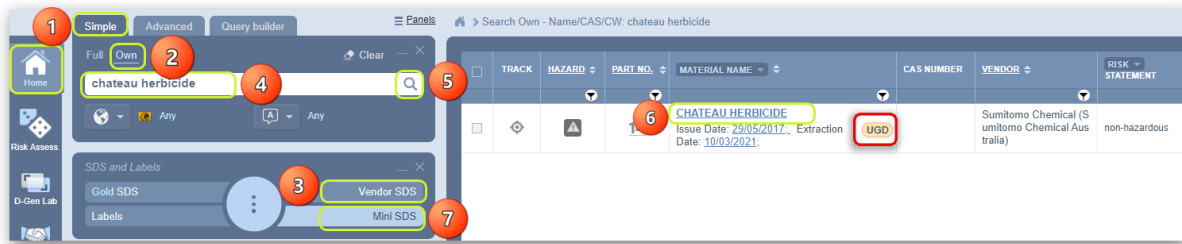
**Precautionary statements(s): Disposal**  
Dispose of contents/container to ...


### 2.5.3.2 Mini SDS and Label(s) are available from OWN Search

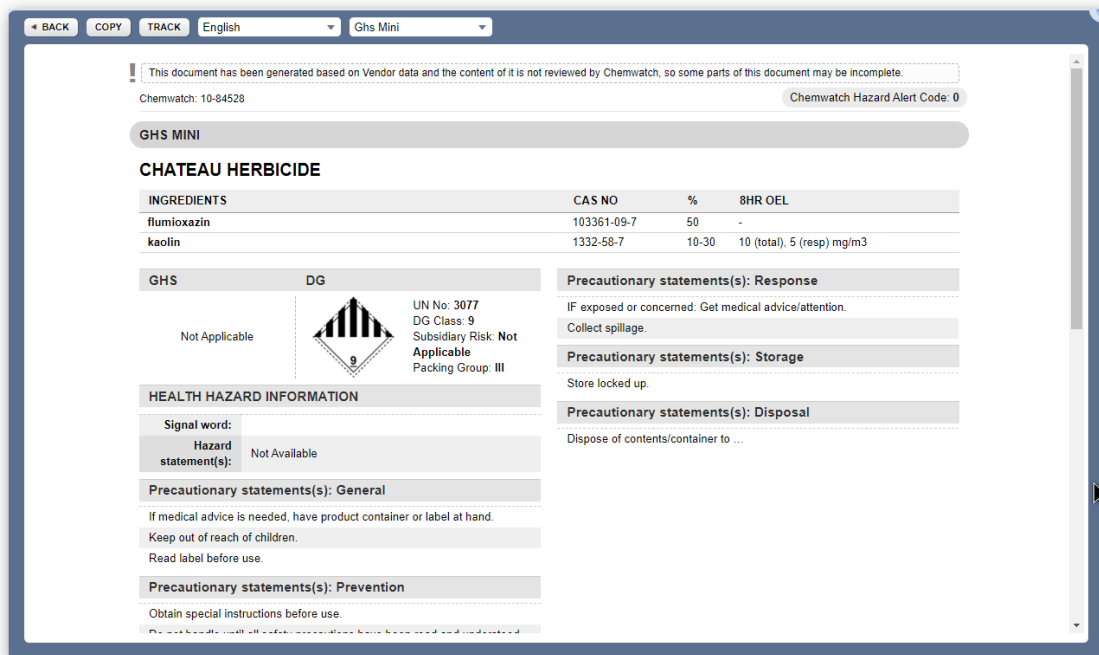
Generating Mini SDS and Label(s) based on user classification data extracted using the DET (Data Extraction Tool) follows same steps as generating a full Chemwatch Mini SDS. The following steps show how to search from your own inventory for a UGD classified material.

#### Steps

- Open Home module **Simple search mode**.
- Select **Vendor SDS** button from the SDS and Labels panel.
- Click on the **Own** link from the Search Panel.
- Type the **Name of the product** that data has been extracted.
- Click the **Search** button from the Search Panel or use autocomplete.
- Click the **Material name** from the search result list to display Vendor SDS.
- Select **Mini SDS** button from the SDS and Labels panel to render a UGD based Mini version.



The UGD based Mini SDS is rendered. Take note that this particular product is classified as nonhazardous and hence the Mini SDS shows grey colour coding, which also matches the hazard colour coding  in the Manifest grid.



Note that the generated data is based on the information that was extracted with reference to the Vendor SDS and its content is NOT reviewed by Chemwatch and some parts of it may be incomplete.

The table below shows some of the respective data extracted.

CREDO Form Fields	Extracted Data	Full Chemwatch Mini SDS Data
Product Identification	Product/Cat name automatically made available by default.	Product name Regulatory hazardous statement

GHS MINI

**CHATEAU HERBICIDE**


INGREDIENTS	CAS NO	%	8HR OEL
flumioxazin	103361-09-7	50	-
kaolin	1332-58-7	10-30	10 (total), 5 (resp) mg/m3

Manufacturer Details	Automatically drawn from the database.	Not displayed in the Mini SDS unless authored for a specific client.
Credite Poster	Ingredients, CAS Number(s), composition proportion % and other physical properties where applicable.	Ingredients, CAS Number(s), composition proportion %, OEL (Occupational Exposure Limit, where applicable).
Extract Classification	GHS classification where applicable	Signal Word, hazard codes/statements, GHS hazard pictograms,

GHS MINI

**CHATEAU HERBICIDE**

INGREDIENTS	CAS NO	%	8HR OEL
flumioxazin	103361-09-7	50	-
kaolin	1332-58-7	10-30	10 (total), 5 (resp) mg/m3


<p><b>GHS</b></p> <p>Not Applicable</p>	<p><b>DG</b></p>  <p>UN No: 3077 DG Class: 9 Subsidiary Risk: <b>Not Applicable</b> Packing Group: III</p>	<p><b>Precautionary statements(s): Response</b></p> <p>IF exposed or concerned: Get medical advice/attention. Collect spillage.</p> <p><b>Precautionary statements(s): Storage</b></p> <p>Store locked up.</p> <p><b>Precautionary statements(s): Disposal</b></p> <p>Dispose of contents/container to ...</p>
<p><b>HEALTH HAZARD INFORMATION</b></p> <p>Signal word:</p> <p>Hazard statement(s): Not Available</p> <p><b>Precautionary statements(s): General</b></p> <p>If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.</p>		

Dangerous Goods	Dangerous Goods transport classification	DG Class, Packing Group, Subsidiary risk(s), HAZCHEM code and DG diamonds where applicable and Poison Schedule (relevant to Australia).
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**GHS MINI**

**CHATEAU HERBICIDE**

INGREDIENTS	CAS NO	%	8HR OEL
flumioxazin	103361-09-7	50	-
kaolin	1332-58-7	10-30	10 (total), 5 (resp) mg/m3

GHS	DG	Precautionary statements(s): Response
Not Applicable	 <p>UN No: 3077 DG Class: 9 Subsidiary Risk: <b>Not Applicable</b> Packing Group: III</p>	<p>IF exposed or concerned: Get medical advice/attention.</p> <p>Collect spillage.</p>
		Precautionary statements(s): Storage
		Store locked up.
		Precautionary statements(s): Disposal
		Dispose of contents/container to ...

**HEALTH HAZARD INFORMATION**

Signal word: Not Available

Hazard statement(s): Not Available

**Precautionary statements(s): General**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.


**Precautionary statements(s): Prevention**

**PCODE**


Precautions for Use and Safe Storage (Compatibility recommendations based on GHS hazard properties).

PPEs graphics, Safe storage GHS graphics for compatibility check.

**PRECAUTIONS FOR USE**



**SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS**



x — Must not be stored together  
o — May be stored together with specific precautions  
+ — May be stored together

← BACK COPY TRACK English Ghs Mini

**HEALTH HAZARD INFORMATION**

Signal word: Not Available

Hazard statement(s): Not Available

**Precautionary statements(s): General**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

**Precautionary statements(s): Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

**Precautionary statements(s): Disposal**

Dispose of contents/container to ...

## 3.0 Create Templates and Export Reports

This chapter will cover the following objectives:

- How to use the Chemwatch Basic templates to generate reports
- How to create user defined templates
- How to export data by using user defined templates
- How to use Theme Formatted Style to generate reports
- How to use quick search in method builder to find data points



### Report Generator

- Generate reports from existing basic templates
- Create advanced template(s) for specific data points
- Select a theme and format
- Exporting data by country/language in various formats



#### Basic Reports

- Assets
- Containers
- Manifest DG report Gold
- Manifest DG report VGD
- Manifest volumes and locations Gold
- Manifest volumes and locations VGD
- Materials Gold
- Materials VGD
- Risk Assessment ILO
- Risk Assessment UN



#### Advanced Reports can be related to;

- Manifest Register Gold
- Manifest Register VGD
- Dangerous Goods and Hazchem Data
- GHS Manifest Data, PPE
- Folders and Locations
- Ingredients Data
- SARA Reporting
- IFC/NFPA Reporting
- Risk Assessment Reporting
- User Fields



### The Report Generator Panel Components

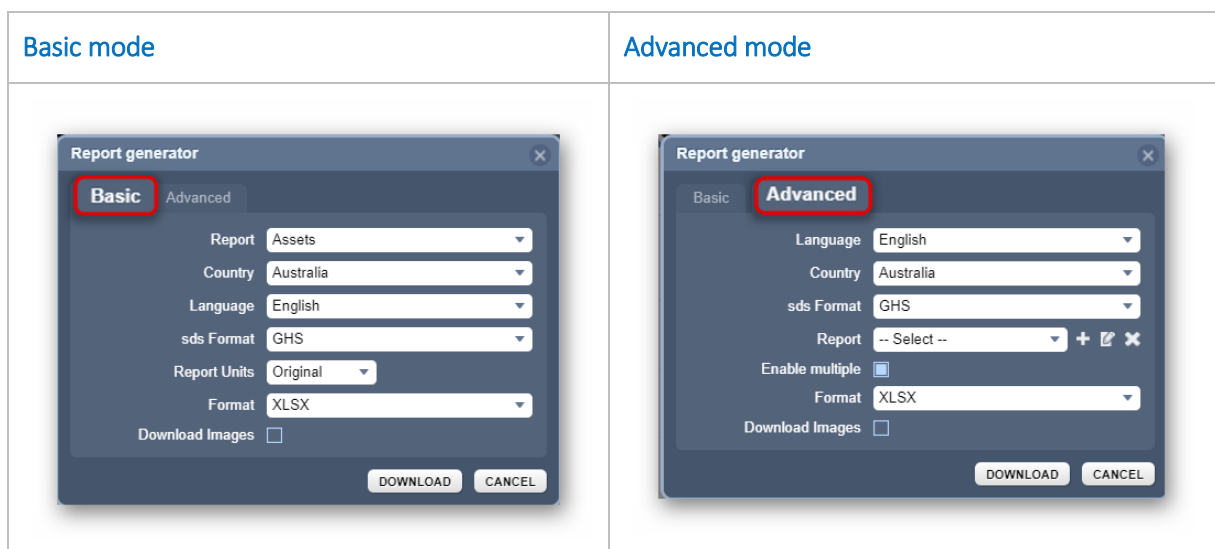
There are two tabs available for user to utilise the report generator feature to export data.

- Basic mode
- Advance mode























Note that the users must be assigned the respective privileges to use the full scope of the Report Generator features. Contact your domain administrator for more information.

The table below provides a summary of the functions for each mode.












The report generator components contained in the above panels are described in the table below for reference on how they can be used to generate reports in various formats.

Component	Attribute	Use	Expectation
<b>Report Generator Button</b> 	Provides the <b>Basic</b> or <b>Advanced</b> features of the report generator tool to export report data in various formats.	Generate reports from basic templates or create advanced templates to export data into various formats. 	 Users must be granted privilege to use the Report Generator feature.
<b>Language</b> 	Provides a drop-down list of available languages.	Enables users to generate reports based on selected language.	
<b>Country</b> 	Provides a drop-down list of available countries.	Enables users to generate report based on selected country.	
<b>SDS Format</b> 	Two types of SDS formats available: <ul style="list-style-type: none"> <li>Local </li> <li>GHS </li> </ul>	Local format relates to Risk Code format (R Codes). GHS format relates to the Globally Harmonised Hazard Classification (H Codes).	
<b>Report</b> 	All created report templates are saved in the drop-down list of this field.	Enables users to choose the report template name to export the respective report based on the assigned data points.	
<b>Enable Multiple</b> 	Enable multiple records of items to be generated	Allows users to include extra-lines for items that may have multiple records	

Component	Attribute	Use	Expectation
<b>Format</b> 	Provides a drop-down list of available report formats: 	A report format is required to be selected in order for the system to use that selected format to export respective data.	
<b>Download Images</b> 	Enabling this feature will include images/graphics when a report is generated.	If any graphics data point is selected when creating a template  , those images will be downloaded.	
<b>Add Report</b> 	Create a new report template  by adding data points by using the method builder panel.	Enables users to create <b>+</b> new report templates by assigning data points to export information through a chosen report format.	
<b>Edit</b> 	Edit an existing report template  .	Enables users to edit report templates data points that were originally assigned or add or remove some	
<b>Delete</b> 	Remove an existing report template  .	Enables users to delete an existing report template that is no longer required.	

### Report Generator User Attributes

Permission	Description	User Interface Attribute	Folder View
<b>Deny</b> 	Directories/folder content cannot be accessed by users who have been denied access.	A message displays “to contact the administrator”.	 Access denied
<b>Not Defined</b> 	Directories/folder will not be visible to users.	Folders assigned to this type of permission will be hidden from user.	 Hidden
<b>Read</b> 	Directories/folder content can be accessed by user but can only view folder content (register of materials) but cannot edit content.	Folder content cannot be edited (i.e., cannot add or copy or move or remove (delete) folders or materials but can generate basic reports if granted the respective report generator privileges.	 View and/or generate basic mode reports
<b>Read-write</b> 	Directories/folder content can be accessed by user, permitted to copy, move, remove (delete) folders, materials and edit material quantities as well create report templates  .	User can view folder content (register of materials) and edit content (folders, materials and quantities).  User can generate basic template reports.  User can create report generator templates in advanced mode.	 View, edit and generate basic reports and advanced reports

In this chapter, will focus on the following Report Generator activities:

- Generating reports using the Basic tab report templates
- Creating user defined templates using the Advanced tab, e.g., Manifest datapoints, Risk Assessment datapoints, NFPA datapoints
- Generating reports using Theme formatted styles templates

## 3.1 Generate Reports using Basic Templates



The **Basic Tab Report Templates** created by Chemwatch are available by default and these templates contain the following datapoints. It may be important to consider these data points prior to choosing a basic report to generate the appropriate data.

Basic Report Template	Description of Report Type	Report Generator Datapoints
Assets	The <b>Assets Report</b> is generated based on OWN material inventory for the available Sisot containers. If there are containers in selected folder, the system will display a corresponding warning message.	Folders/Stores Name, Container Catalogue Number, Container Cat/Container Name, Container Document Linked, Vendor, Container Size, Container Size Unit, Container Quantity, SARA Container Type, SARA Temperature, SARA Pressure, SARA Solid Form, Radioactive Flag.
Containers	The <b>Containers Report</b> is generated based on OWN material inventory for the available Sisot containers. If there are containers in selected folder, the system will display a corresponding warning message.	Folders/Stores Name, Container Catalogue Number, Container Cat/Container Name, Container Document Linked, Vendor, Container Size, Container Size Unit, Container Quantity, Container Status, Container Registration Status, Container Owner, Container Barcode, Container Creation Date, Container Expiry Date.
Hazard Rating	The <b>Hazard Rating Report</b> is generated based on OWN material inventory as per Chemwatch Hazard Ratings. If there are materials without hazard ratings, these will be generated as “Unknown” for the hazard rating datapoint fields in the report.	Material Name, Vendor, GHS Classification Gold, Hazard Rating Gold, Vendor Issue Date, Total Volume, Total Volume Unit, Maximum Volume, Maximum Volume Unit, UN Number, Dangerous Goods Primary Class Gold, SUSMP Poison Schedule, CAS Number Gold, Folders/Stores Name.
Ingredients Full Disclosure UGD	The <b>Ingredients Full Disclosure UGD Report</b> is generated based on OWN material inventory as per the ingredients full disclosure based on User Gold Data (UGD). If there are ingredients without full disclosure, these will be generated as “Not available” in the report.	Material Name, Vendor, Catalogue Name, Ingredients Full Disclosure UGD, Ingredients UGD, Folders/Stores Name.
Manifest DG	The <b>Manifest DG Report GOLD</b> is generated	Chemwatch Number, Material Name, Total





Basic Report Template	Description of Report Type	Report Generator Datapoints
Report GOLD	based on OWN material inventory as per Chemwatch Gold SDS availability. If there are materials without a GOLD SDS, these will be generated as “Unknown” in the report.	Volume Unit, Maximum Volume, Maximum Volume Unit, Dangerous Goods Primary Class Gold, HAZCHEM Gold, Packing Group Gold, Folders/Stores Name.
Manifest DG Report VGD	The <b>Manifest DG Report VGD</b> is generated based on OWN material inventory as per Vendor Gold Data availability. If there are materials without a GOLD SDS and No VGD data extracted, these will be generated with “Unknown” in respective VGD datapoint fields in the report.	Chemwatch Number, Material Name, Catalogue Name, Vendor, Total Volume Unit, Maximum Volume, Maximum Volume Unit, Dangerous Goods Primary Class VGD, HAZCHEM VGD, Packing Group VGD, Folders/Stores Name.
Manifest Volumes and Locations GOLD	The <b>Manifest Volumes and Locations GOLD Report</b> is generated based on OWN material inventory as per Vendor Gold Data availability. If there are materials without a GOLD SDS data extracted, the datapoints will be generated with “empty fields” in the report.	Chemwatch Number, Material Name, Catalogue Name, Total Volume, Total Volume Unit, Maximum Volume, Maximum Volume Unit, Vendor, Dangerous Goods Primary Class Gold, HAZCHEM Gold, Packing Group Gold, Folders/Stores Name.
Manifest Volumes and Locations VGD	The <b>Manifest Volumes and Locations VGD Report</b> is generated based on OWN material inventory as per Vendor Gold Data availability. If there are materials without VGD data extracted, the datapoints will be generated with “empty fields” in respective VGD datapoint in the report.	Chemwatch Number, Material Name, Catalogue Name, Total Volume, Total Volume Unit, Maximum Volume, Maximum Volume Unit, Vendor, Dangerous Goods Primary Class VGD, HAZCHEM VGD, Packing Group VGD, Folders/Stores Name.
Materials Gold	The <b>Materials GOLD Report</b> is generated based on OWN material inventory as per Gold SDS Data availability. If there are materials without Gold data, the datapoints will be generated with “empty fields” in the report.	Chemwatch Number, Material Name, Part No.s User Gold, Preferred Name User, Gold SDS Issue Date (Latest).
Materials VGD	The <b>Materials VGD Report</b> is generated based on OWN material inventory as per VGD Data availability. If there are materials without VGD data, the datapoints will be generated with “empty fields” in the report.	Chemwatch Number, Material Name, Catalogue Name, Vendor, Part No.s User Vendor (All), Vendor Issue Date.
New Zealand Inventory	The <b>New Zealand Inventory Report</b> is generated based on OWN material inventory as per New Zealand classification data availability. If there are materials without related data, the datapoints will be generated with “empty fields” in the report.	Material Name, Catalogue Name, UN Number, GHS Classification New Zealand, DG Primary Class Gold, Storage Incompatibilities, Packing Group Gold, Gold SDS Exists, Mini Storage and Transport, Physical State Gold, Maximum Volume, Maximum Volume Unit, Folders/Stores Name.
Risk Assessment ILO	The <b>Risk Assessment ILO Report</b> is generated based on OWN material inventory as per the Health Risk Assessment Data availability. If there	Material Name, ILO Task, ILO Status, ILO Hazard Rating, ILO Risk Rating, ILO Assessment Date, ILO Assessment Expired

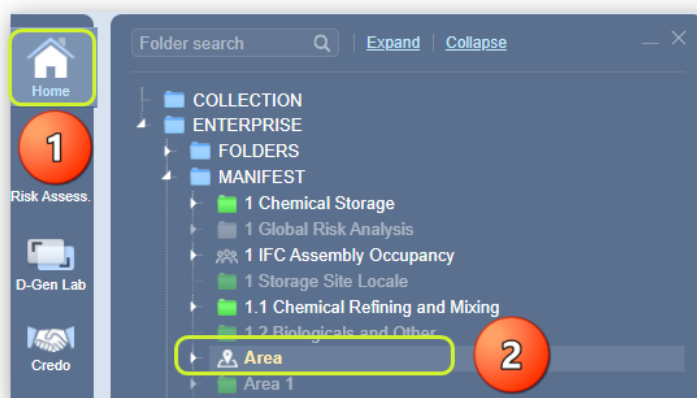
Basic Report Template	Description of Report Type	Report Generator Datapoints
(International Labour Organisation)	are materials without any related risk assessment data, the datapoints will be generated with “empty fields” in the report.	Date, ILO Approved By, Folders/Stores Name.
Risk Assessment UN	The <b>Risk Assessment UN Report</b> is generated based on OWN material inventory as per the Transport/Storage Risk Assessment Data availability. If there are materials without any related risk assessment data, the datapoints will be generated with “empty fields” in the report.	Material Name, UN Task, UN Status, UN Hazard Rating, UN Risk Rating, UN Assessment Date, UN Assessment Expired Date, UN Approved By, Folders/Stores Name.








The following steps show **how to use a basic template to export data to a spreadsheet**. In this worked example, the data will be exported from a folder node at the Area level 1  of the tree using the basic template  name **Manifest locations and volumes GOLD**.

### Steps

Open the **Home module**  (if it's not already the default module).

1. **Expand**  Manifest Directory nodes to view the folder location, e.g., Level 1 Area node.
2. Press  the **Folder name** to list its contents.



3. Click  the **Report Generator** button  at the top right corner of the user interface  .  
Ignore the default selection “Selected ” and click  the **Current page** radio button  option to use the materials list in the current active grid.
4. Click  the **OK** button.

Report Generator button

Choose an option for the Materials List

Report Generator

- Selected
- Current page
- All

OK CANCEL

PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	REGULATORY BURDEN	RISK STATEMENT	VOL / WT	MEI	DG
123	1,2-Dibromoethane Issue Date: 01/07/2020; Extraction Date: 09/12/2020;	106-93-4	Sigma-Aldrich (as MilliporeSigma, Merck)		H301,H311,H315,H319,H331,H335,H350,H411	0.00 kg	6.1	
123	acetone with water	67-64-1*	—		H225,H319,H336	0.00 kg	3	
	acetone	67-64-1	Multiple			560.00 L		

- Select the Report field's drop-down arrow to list available report templates.
- Select the Report name template from the list, e.g., Materials volumes and locations GOLD.

Report generator

Basic Advanced

Report Assets

Country Australia

Language English

sds Format GHS

Report Units Original

Format XLS

Download Images

List of available Chemwatch Templates with specific datapoints

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	REGULATORY BURDEN	RISK STATEMENT	VOL / WT	MEI	DG
		123	1,2-Dibromoethane Issue Date: 01/07/2020; Extraction Date: 09/12/2020;	106-93-4	Sigma-Aldrich (as MilliporeSigma, Merck)		H301,H311,H315,H319,H331,H335,H350,H411	0.00 kg	6.1	
		123	acetone with water	67-64-1*	—		H225,H319,H336	0.00 kg	3	
			acetone	67-64-1	Multiple			560.00 L		
		123	benzene	71-43-2, 1053658-43-7, 1173023-23-8, 174973-66-1, ... more	Multiple			1130.00 L		

- Select the Country from the drop-down arrow, e.g., Australia.
- Select the Language from the drop-down arrow, e.g., English.
- Select the SDS format as GHS from the drop-down arrow.
- Select the Report units from the drop-down arrow, e.g., Original.
- Select the Format from the drop-down arrow, e.g., XLS.
- Press the Download button.

TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL./WT CURRENT	METRIC	DG	SI	PKG	COUNTRY	LANGUAGE
		Acetone Issue Date: 16/12/2015 Extraction Date: None	Wilmor BioEthanol (Sucrogen BioEthanol)	67-64-1	AUH066.H225.H319.H336	0.00 L		3	II		Australia	English
		acetone Issue Date: 21/08/2018 Extraction Date: None						3	II		Australia	English
		acetone Issue Date: 21/01/2010 Extraction Date: None						3	II		Australia	English
		Acetone, 99.8%, anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018 Extraction Date: None						3	II		Spain	English
		Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013 Extraction Date: None									Australia	English
		Antistatic Spray #514-486 Issue Date: 14/08/2015 Extraction Date: 14/08/2015						None	None		Australia	English
		ANTISTATIC SPRAY 514-486				0.00 L						

**Report generator**

Basic    Advanced

Report: Manifest volumes and locations GOLD

Country: Australia 8

Language: English 9

sds Format: GHS 10

Report Units: Original 11

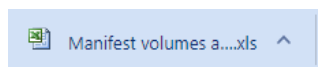
Format: XLS 12

Download Images




13 DOWNLOAD CANCEL

13. Choose a **file location** from the desktop/laptop to save the report.

14. **Open** the downloaded **file** “Manifest volumes and locations GOLD”.xls.



15. The report exports data into the spreadsheet based on the selected datapoints.

 The default datapoints in the report templates  in the Basic mode have been created by Chemwatch and the information exported is inferred to the data located from the source folder or location within the system’s tree structure, which is data drawn from your company’s inventory. Using the same steps to generate other types of reports based on the existing basic templates; the exported data will resemble the following report, although the datapoints may vary from one report to another. Samples of these types of reports based on the basic default templates are provided in the [Appendix](#) of this guide for reference. Close the report generator panel by clicking the close  icon or the cancel button CANCEL.


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	CHEMWATCH	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL V	TOTAL VOLUME	MAXIMUM V	MAXIMUM VOLUME	UNIDG	PRIMARY CLA	HAZCHEM GOL	PACKING GROUP	GOLD	FOLDERS/STORES NAME		
2	1090	acetone	acetone	3M	40 L	100 L	100 L	5		2[Y]E	II			/ENTERPRISE/MANIFEST/Area/Building/General Storage		
3	1090	acetone	acetone	Sigma-Aldrich (Merck)	20 L	100 L	100 L	5		2[Y]E	II			/ENTERPRISE/MANIFEST/Area/Building/General Storage		
4	5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	50 L	100 L	100 L		Not Applicable	Not Applicable	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/General Storage		
5	8514-41	Imaje A17787, A17788, A17789	Imaje A17787, A17788, A17789, A17790	Dover Corporation (Markem-Imaje)	0 L	0 L	0 L		Not Applicable	Not Applicable	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/General Storage		
6	1090	acetone	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0 L	20 L	20 L	3		2[Y]E	II			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
7	2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15 L	15 L	15 L							/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
8	5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	0 L	0 L	0 L		Not Applicable	Not Applicable	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
9	1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	50 L	50 L	50 L	3		3WE	II			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
10	2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0 L	4 L	4 L	5.1		2PE	II			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
11	1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	0 L	0 L	0 L	6.1		Not Applicable	I			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
12	1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0 L	0 L	0 L	6.1		Not Applicable	I			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
13	1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0 L	0 L	0 L	6.1		Not Applicable	I			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
14	1223	kerosene	Kerosene	Blackwoods	15 L	20 L	20 L	5		3Y	III			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
15	1223	kerosene	Kerosene	Blackwoods	250 L	250 L	250 L	5		3Y	III			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
16	21517	L-Alanine	L-Alanine	MP Biomedicals Australia Pty Limited	35 kg	50 kg	50 kg		Not Applicable	Not Applicable	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		
17	1090	acetone	Acetone, 99.8%, anhydrous (max. 0.005% H2O)	Scharlab	50 L	300 L	300 L	3		2[Y]E	II			/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		
18	1006	argon	Argon	BOC (a division of Linde)	20 kg	150 kg	150 kg	2.2		2[T]	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		
19	1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	70 L	350 L	350 L	3		3WE	II			/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		
20	1223	kerosene	Kerosene	Blackwoods	65 L	250 L	250 L	5		3Y	III			/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		
21	10000	water	DEMINERALISED WATER	DuluxGroup	80 L	100 L	100 L		Not Applicable	Not Applicable	Not Applicable			/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		

## 3.2 Create Templates using Advanced Tab to Generate Reports

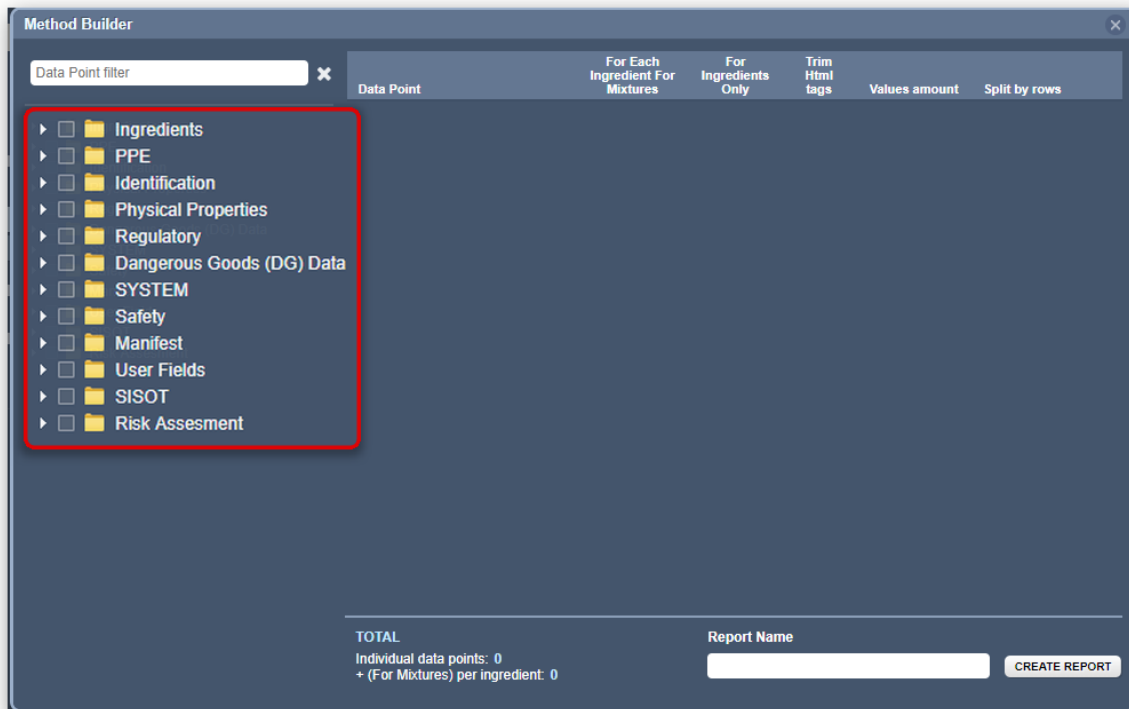
This topic will cover the following objectives:

- How to create advanced templates based on Manifest related data
- How to create advanced templates based on Risk Assessment related data
- How to create advanced templates based on NFPA related data
- How to export data by using user defined templates
- How to use Theme Formatted Style to generate reports
- How to use search in method builder to find specific data points



The **Advanced** tab provides users, who have the appropriate report generator related permissions with the ability to create new templates, edit existing templates and use those user defined templates  to generate reports.

The templates must be created using specific datapoints available in the Method Builder directory folders. The Method Builder contains a filter function to look up for a specific datapoint from the directory. Once a datapoint is identified, it can be selected to add it to your template.



Searching for data points had become easy on RG with the introduction of 2-character data points searching. Users can now search for data points like UN (acronym), etc.




Note that there are many Chemwatch datapoints available including those that may be user defined. These datapoints, in turn; are used by the system to drive the required information

from the database and exported using the collated template to generate the selected data to a spreadsheet as a report.

Report Generator Data Points	
Directory	Data Points' Categories
Ingredients	Composition/constituents proportion GOLD, UGD, VGD
PPE	GHS PPE Graphics, Glove selection, Mini SDS Eye/Hands/Nose/Respiratory
Identification	Appearance, CAS Number, Cat Name, Extraction Date Material Name, Part No.s, SDS Country, Trade Names, Tags, Use, Vendor details, Vendor Issue Date
Physical Properties	Auto Ignition Temperature, Boiling Point, Decomposition Temperature, Flammability, Flash Range, LEL, Melting Range, Molecular Weight, Odour, pH, Physical Sate, Relative Vapour Density, Specific Gravity, UEL, Viscosity, Volatile Component, Water Solubility
Regulatory	Annex XIV Sunset Date, Combustible Liquids Class, GHS Classification, My Reach Uses, SUSMP
Dangerous Goods (DG) Data	Diamond Graphics, DG Classification, EPG Number, IERG Number, HAZCHEM, Packing Group, Spills Fire Distance, UN Number
SYSTEM	CW ER Data, ERG Number, First Aid, Hazards Action Guide, Shipping Name. SDS Type, SMILES
Safety	Health Effects, Toxicity, CW Hazard Ratings, Engineering Controls, Fire Hazards, First Aid...
Manifest	Biological Monitoring, Folders/Stores Name. Max Volume, total Volume, Units
User Fields	User dependent fields
SISOT	Container Data – Barcode, Cat Name, Volume/Weight, Catalogue Number, Scan Date, SARA,...
Risk Assessment	Approved By, Assessment Date, Status, Task, Assessment Expiry Date, Hazard Rating, Risk Rating




### 3.2.1 Create Template on Manifest Data and Generate a Report

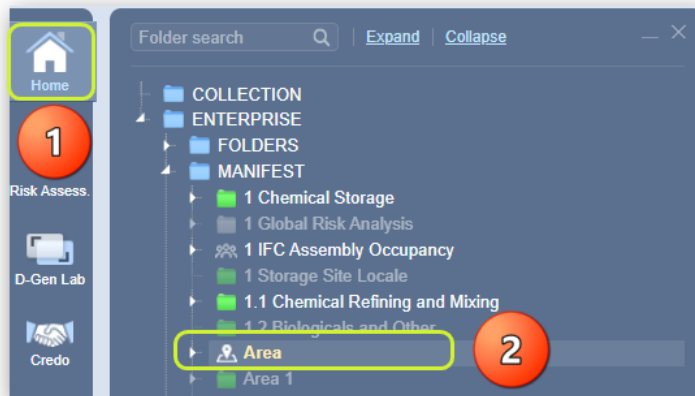
The following steps show how to create a template  to export Manifest data into a spreadsheet. In this worked example, the information will be exported using data from a folder node at the Area level 1  under the Manifest Directory within the tree structure. A few data points for a Manifest related type of report may include the following datapoints.








Directory	Method Builder Data Points
Identification	Cat Name, SDS Country, Vendor details, Vendor Issue Date
PPE	GHS PPE Graphics
Physical Properties	Physical Sate
Regulatory	GHS Classification, SUSMP
Dangerous Goods (DG) Data	DG Classification, Packing Group, UN Number, DG Diamond Graphic
Safety	Health Effects, Safe Storage
Manifest	Folders/Stores Name. Max Volume, Total Volume, Units
Risk Assessment	Approved By, Assessment Date, Status, Task, Assessment Expiry Date, Hazard Rating, Risk Rating

## Steps: Create template and Export Manifest Data into a Spreadsheet













Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., level 1 Area node.
2. Press  the **Folder name**. Take note that the Manifest list grid  defaults to Cat Name.

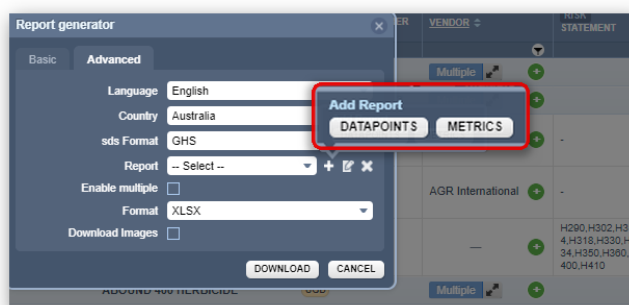
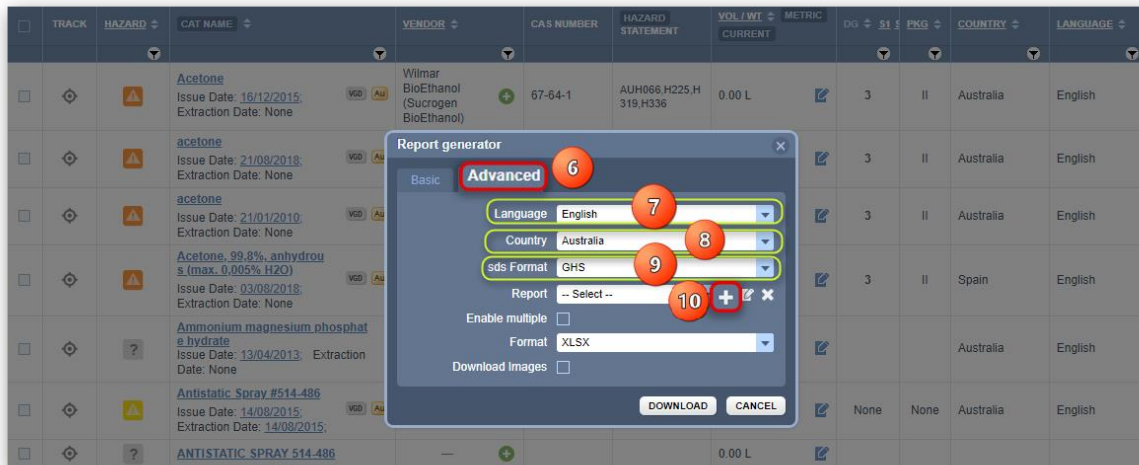


3. Click  the **Report Generator** button  at the top right corner of the user interface .
4. Ignore the default selection "Selected"  and click  the **Current page** radio button  option
5. Click  the **OK** button.

PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	REGULATORY BURDEN	RISK STATEMENT
123	1,2-Dibromoethane Issue Date: 01/07/2020; Extraction Date: 09/12/2020;	106-93-4	Sigma-Aldrich (as MiliporeSigma, Merck)		H301,H311,H315,H319,H331,H335,H350,H411
123	acetone with water	67-64-1*	—		H225,H319,H336
	acetone	67-64-1	Multiple		

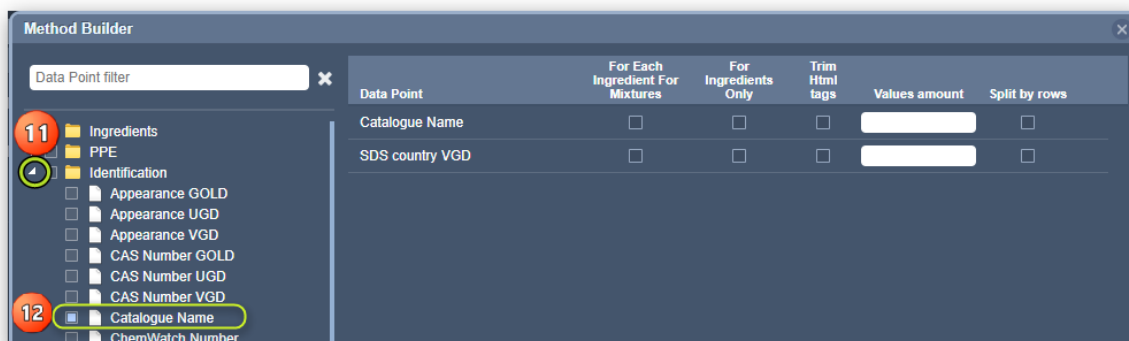
6. Press  the **Advanced** tab from the report generator panel.
7. Select  the **Country** from the drop-down arrow , e.g., Australia .
8. Select  the **Language** from the drop-down arrow , e.g., English.
9. Select  the **SDS format as GHS** from the drop-down arrow .
10. Hover move pointer over  the **Add**  icon to open the method builder window in order to add data points and then create a report template . Click  the **Add Report Datapoints** button to open the method builder window and create a report template.







11. Select the expand arrow next to the Identification folder directory to open the list of datapoints.
12. Click the data points checkboxes listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Identification	Cat Name, SDS Country, Vendor details, Vendor Issue Date







13. Scroll up to select the expand arrow next to the PPE folder directory to open the list of datapoints.

14. Click  the **data point checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.





Directory	Method Builder Data Points
PPE	GHS PPE Graphics



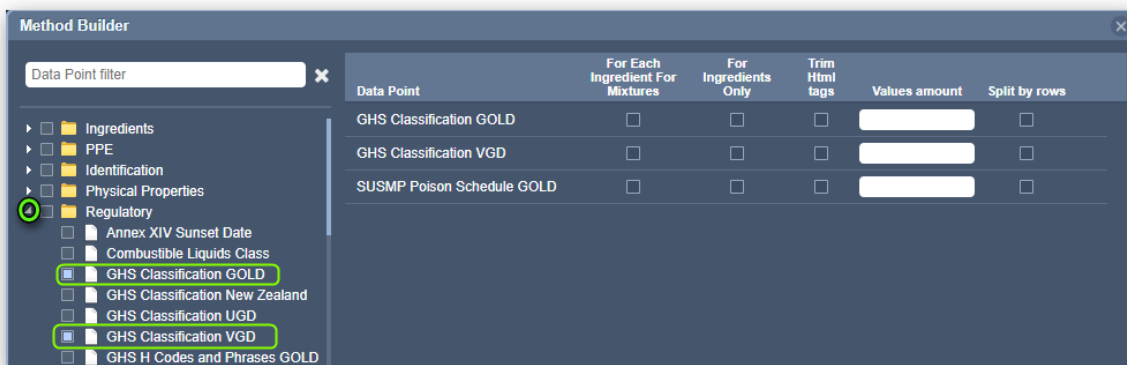
15. Scroll down to select  the **expand arrow**  next to the **Physical Properties** folder directory to open the list of datapoints.
16. Click  the **data points checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Physical Properties	Physical State



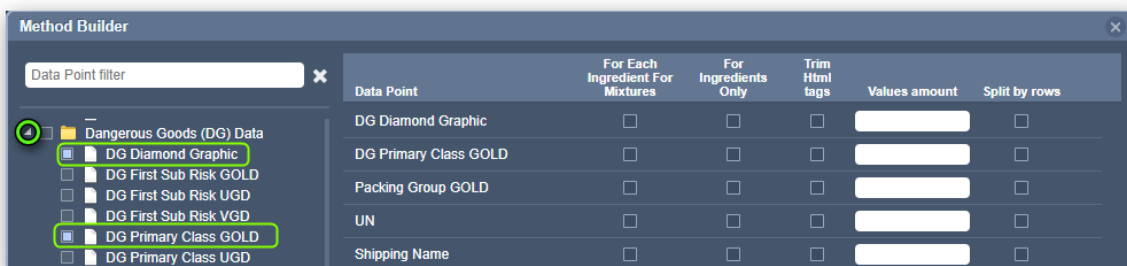
17. Scroll down to select  the **expand arrow**  next to the **Regulatory** folder directory to open the list of datapoints.
18. Click  the **data points checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Regulatory	GHS Classification, Signal Word, SUSMP



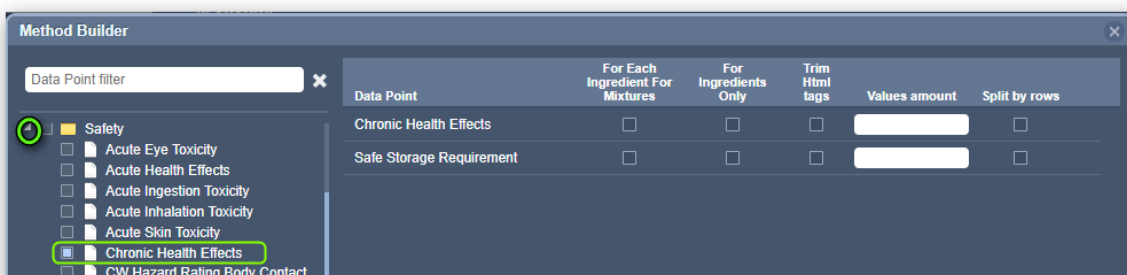
19. Scroll down to select the expand arrow next to the Dangerous Goods (DG) Data folder directory to open the list of datapoints.
20. Click the data points checkboxes listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.





Directory	Method Builder Data Points
<a href="#">Dangerous Goods (DG) Data</a>	DG Primary Class, Packing Group, UN Number, Shipping Name, DG Diamond Graphic



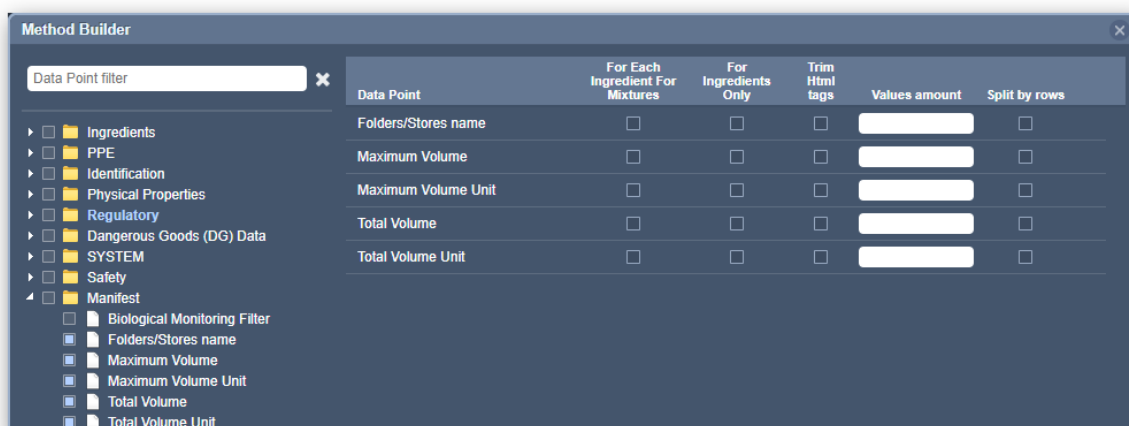
21. Scroll down to select the expand arrow next to the Safety folder directory to open the list of datapoints.
22. Click the data points checkboxes listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.





Directory	Method Builder Data Points
<a href="#">Safety</a>	Health Effects, Safe Storage

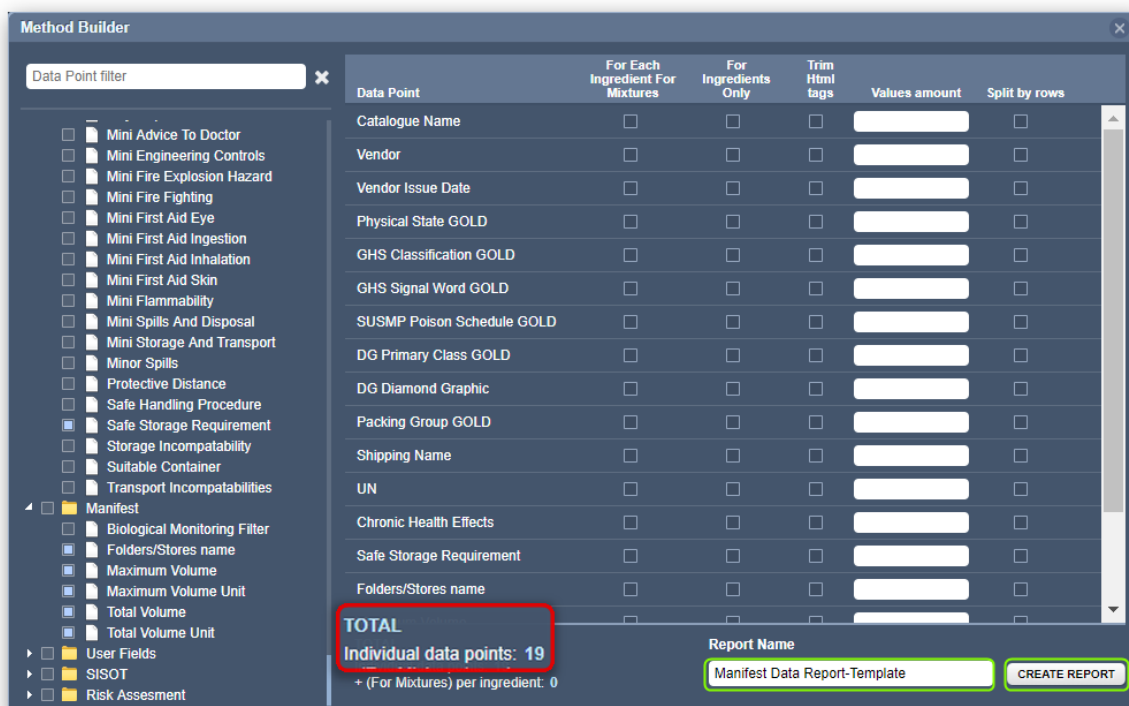


23. Scroll down to select  the **expand arrow**  next to the **Manifest** folder directory to open the list of datapoints.
24. Click  the **data points checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Manifest	Folders/Stores Name, Max Volume, Total Volume, Units

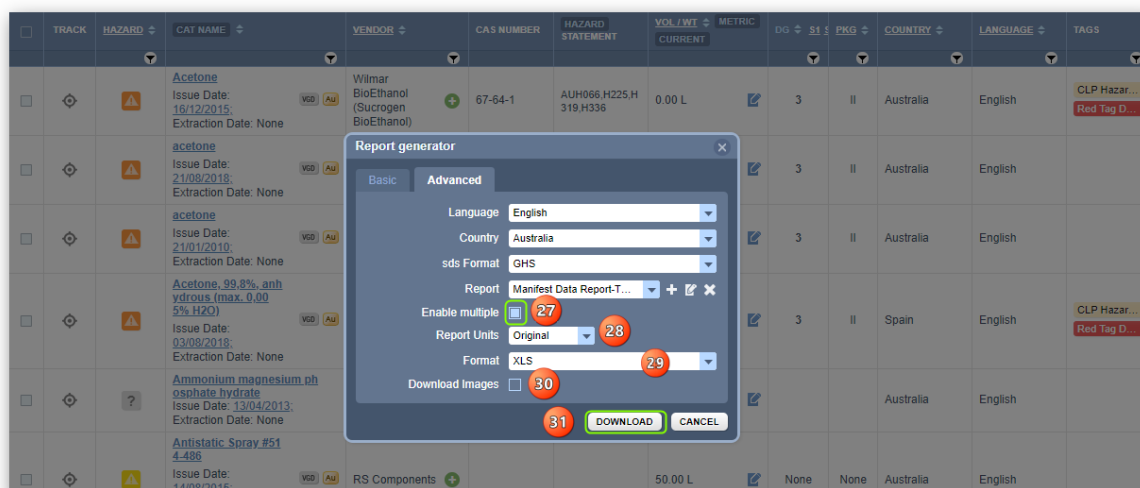


25. Type  the **Report template**  name in the Report Name free text field .
26. Press  the **Create Report** button.

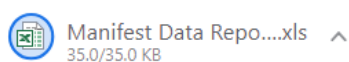


**i** A confirmation message will display in the top middle of the user interface when the report is created and the method builder window will close and the report generator panel will be retained to continue the tasks below.

27. Select  the “Enable multiple” checkbox .
28. Select  the **Report units** from the drop-down arrow , e.g., Original.
29. Select  the **Format** from the drop-down arrow , e.g., XLS.
30. Select  the **Download images** checkbox .
31. Press  the **Download** button.



32. Choose a “file location” from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the “Downloads Folder”.
33. Open the downloaded file “Manifest Data Report.xls”.



34. The report exports data into the respective report format, e.g., spreadsheet .

**i** The datapoints in the report template in the Advanced mode have been created by Chemwatch and the information exported is inferred from the data located in the source folder or location within the system’s tree structure, which is data drawn from your company’s inventory.

### Manifest Report with GHS Pictograms

CATALOGUE NAME	VENDOR	VENDOR ISSUE DATE	GHS CLASSIFICATION GOLD	GHS SIGNAL WORD GOLD	SUSMP POISON SCHEDULE GOLD	DG PRIMARY CLASS GOLD	PACKING GROUP GOLD	SHIPPING NAME	UN	SAFE STORAGE REQUIREMENT	FOLDERS / STORES NAME	MAXIMUM VOLUME	MAXIMUM VOLUME UNIT	TOTAL VOLUME	TOTAL VOLUME UNIT	GHS PICTOGRAM IMAGES GOLD
Image A1778	Dover Cor	19.01.2009	Eye Irritation Categ	Warning	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Store in or /ENTERPRI		0 L		0 L		
acetone	3M	21.01.2011	Eye Irritation Categ	Danger	S5	3	II	ACETONE	1090	Store in or /ENTERPRI		100 L		40 L		
acetone	Sigma-Ald	21.08.2011	Eye Irritation Categ	Danger	S5	3	II	ACETONE	1090	Store in or /ENTERPRI		100 L		20 L		
Antistatic Spi RS Comp	14.08.2011	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Store in or /ENTERPRI		100 L		50 L		Not Applicable
Benzene	Alfa Aesar	17.11.2011	Aspiration Hazard	( Danger	S7	3	II	BENZENE	1114	Store in or /ENTERPRI		50 L		50 L		
Kerosene	Blackwood	01.03.2011	Aspiration Hazard	( Danger	S5	3	III	KEROSENE	1223	Store in or /ENTERPRI		20 L		15 L		
Chloric acid	Sigma-Ald	13.04.2011	Eye Irritation Categ	Danger	Not Applicable	5.1	II	CHLORIC ACID	2626	Store in or /ENTERPRI		4 L		0 L		
Acetone	Wilmar Bk	16.12.2011	Eye Irritation Categ	Danger	S5	3	II	ACETONE	1090	Store in or /ENTERPRI		20 L		0 L		
			Gas under Pressure	Warning	Not Applicable	2.2	Not Applicable	ARGON, COM	1006	Cylinders : /ENTERPRI		0 L		0 L		
HYDROGEN BOC	(a di	26.05.2011	Acute Aquatic Hazi	Danger	S7	6.1	I	HYDROGEN C	1051	Rotate all s /ENTERPRI		0 L		0 L		

### Manifest Report with DG Diamonds


CATALOGUE NAME	VENDOR	VENDOR ISSUE DATE	PHYSICAL STATE GOLD	GHS CLASSIFICATION GOLD	GHS SIGNAL WORD GOLD	SUSMP POISON SCHEDULE GOLD	DG PRIMARY CLASS GOLD	DG DIAMOND GRAPHIC	PACKING GROUP GOLD	SHIPPING NAME	UN	CHRONIC HEALTH EFFECTS	SAFE STORAGE REQUIREMENT	FOLDERS / STORES NAME	MAXIMUM VOLUME	MAXIMUM VOLUME UNIT	TOTAL VOLUME	TOTAL VOLUME UNIT
Image A17787	Dover Cor	19.01.2009	Liquid	Eye Irritation Categ	Warning	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Limited evid	Store in original c /ENTERPRI			0 L	0 L
acetone	3M	21.01.2010	Liquid	Eye Irritation Categ	Danger	S5	3		II	ACETONE	1090	Prolonged d	Store in original c /ENTERPRI		100 L		40 L	
Antistatic Spra RS Comp	14.08.2015	Liquid	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Not Applicable	Limited evid	Store in original c /ENTERPRI		100 L		50 L	
Benzene	Alfa Aesar	17.11.2016	Liquid	Aspiration Hazard	( Danger	S7	3		II	BENZENE	1114	On the basis	Store in original c /ENTERPRI		50 L		50 L	
Kerosene	Blackwood	01.03.2015	Liquid	Aspiration Hazard	( Danger	S5	3		III	KEROSENE	1223	Limited evid	Store in original c /ENTERPRI		20 L		15 L	
Chloric acid	Sigma-Ald	13.04.2013	Liquid	Eye Irritation Categ	Danger	Not Applicable	5.1		II	CHLORIC ACID	2626	Limited evid	Store in original c /ENTERPRI		4 L		0 L	
Acetone	Wilmar Bk	16.12.2015	Liquid	Eye Irritation Categ	Danger	S5	3		II	ACETONE	1090	Prolonged d	Store in original c /ENTERPRI		20 L		0 L	
			Compressed Gas	Gas under Pressure	Warning	Not Applicable	2.2		Not Applicable	ARGON, CO	1006	Long-term e	Cylinders should /ENTERPRI		0 L		0 L	
HYDROGEN C BOC	(a di	26.05.2015	Liquid	Acute Aquatic Hazi	Danger	S7	6.1			HYDROGEN	1051	Limited evid	Rotate all stock to /ENTERPRI		0 L		0 L	
HYDROGEN C	Sigma-Ald	23.10.2008	Liquid	Acute Aquatic Hazi	Danger	S7	6.1			HYDROGEN	1051	Limited evid	Rotate all stock to /ENTERPRI		0 L		0 L	

Use the same steps to create other report templates and generate respective reports based on other types of datapoints; the exported data will resemble the following report, although the datapoints may vary from one report template to another. Close the report generator panel by clicking the close icon or the cancel button.



The risk assessment datapoints and reports are available in the system's report generator method builder to enable users to export respective RA data based on status of the risk assessments of the materials in any selected folder.

- The Report Generator ghs signal report on saved risk assessments from within the Risk Assessment module or by using the Manifest module

- Risk Assessment reports for both ILO (Health) and UN (Dangerous Goods/Storage) are also available as part of the Basic mode reports
- Risk assessment datapoints can be accessed individually from the method builder and can also be used in combination with other datapoints available in method builder depending on the type of information required in the report. The report is best drawn from the materials/product located in a folder.


The Report Generator Basic tab contains two types of RA templates ;







- Risk Assessment ILO ([Health](#))
- Risk Assessment UN ([Dangerous Goods/Storage](#))

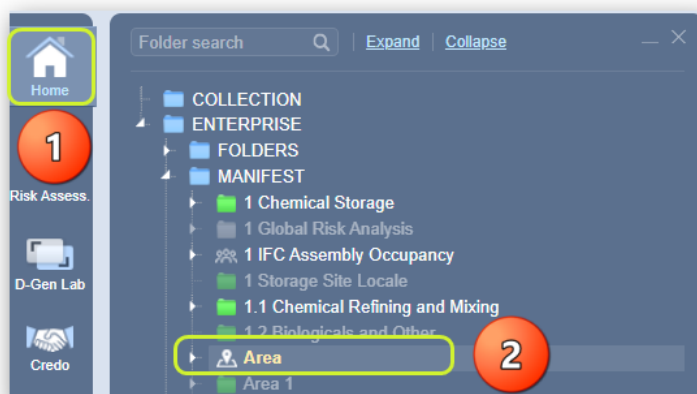
The following steps illustrate the sequence with screen capture on 'how to create a template  to export risk assessment data to a spreadsheet. In this worked example, the information will be exported using data from a folder node at the Area level 1  under the manifest directory within the tree structure. The following list contains the risk assessment data points that will be captured in the report.

Directory	Method Builder Data Points
Identification	Cat Name, Material Name
Manifest	Folders/Stores Name
Risk Assessment	Approved By, Assessment Date, Status, Task, Assessment Expiry Date, Hazard Rating, Risk Rating

### Steps

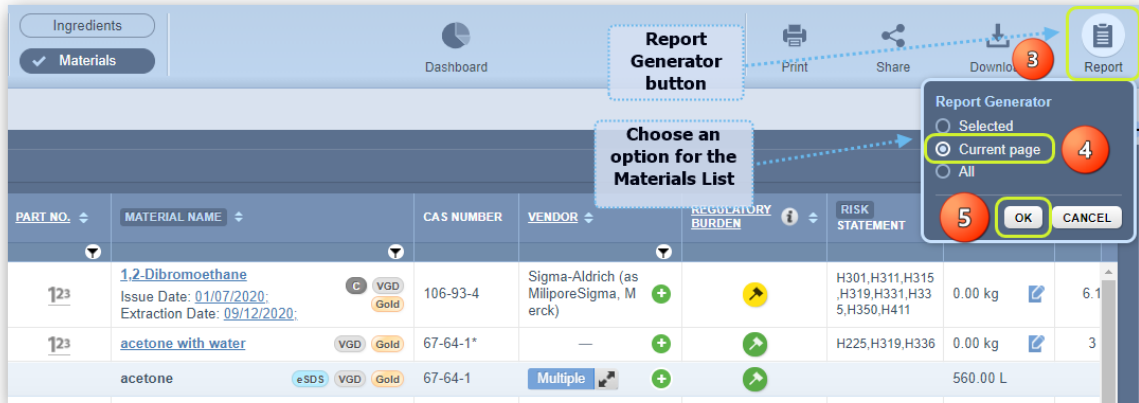
Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., level 1 Area node.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name.
3. Click  the **Report Generator** button  at the top right corner of the user interface .

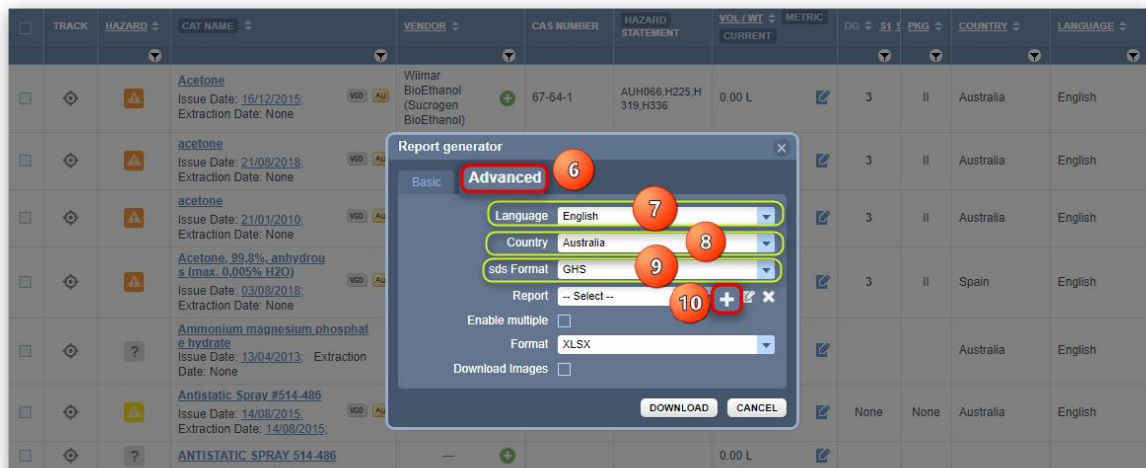




- Ignore the default selection “Selected” and click the **Current page** radio button option. The “Selected” option can be used when there are specific materials within the current folder that you intend to generate a report.
- Click the **OK** button.



- Press the **Advanced** tab from the report generator panel.
- Select the **Country** from the drop-down arrow, e.g., Australia.
- Select the **Language** from the drop-down arrow, e.g., English.
- Select the **SDS format as GHS** from the drop-down arrow.
- Hover move pointer over the **Add** icon to open the method builder window in order to add data points and then create a report template.



Click the **Add Report Datapoints** button to open the method builder window and create a report template.



TRACK	HAZARD	CAT NAME	VENDOR	CAS NUMBER	HAZARD STATEMENT	VOL / WT	METRIC	DO	PKG	COUNTRY	LANGUAGE	
		Acetone Issue Date: 16/12/2015 Extraction Date: None	Wilmor BioEthanol (Surogen BioEthanol)	67-64-1	AUH066,H225,H 319,H336	0.00 L			3	II	Australia	English
		acetone Issue Date: 21/08/2018 Extraction Date: None							3	II	Australia	English
		acetone Issue Date: 21/01/2010 Extraction Date: None							3	II	Australia	English
		Acetone, 99.8% anhydrous (max. 0.005% H2O) Issue Date: 03/08/2018 Extraction Date: None								II	Spain	English
		Ammonium magnesium phosphate hydrate Issue Date: 13/04/2013 Extraction Date: None									Australia	English
		Antistatic Spray #514-486 Issue Date: 14/08/2015 Extraction Date: 14/08/2015							None	None	Australia	English
		ANTISTATIC SPRAY 514-486				0.00 L						

**Report generator**

Basic    **Advanced**

Language: English

Country: Australia

sds Format: GHS

Report: -- Select --

Enable multiple:

Format: XLSX

Download Images:

DOWNLOAD    CANCEL

11. Select the **expand arrow** next to the **Identification** folder directory to open the list of datapoints.
12. Click the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

**Directory**

**Method Builder Data Points**

Identification

Cat Name, Material Name

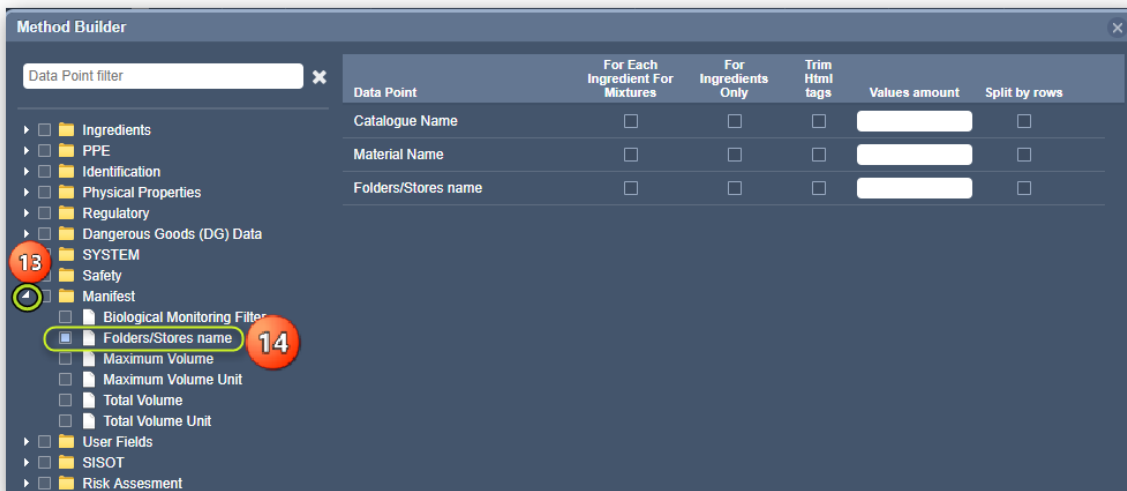
**Method Builder**



11. Data Point filter

- 11. Identification
  - Appearance GOLD
  - Appearance UGD
  - Appearance VGD
  - CAS Number GOLD
  - CAS Number UGD
  - CAS Number VGD
  - 12. Catalogue Name
  - ChemWatch Number
  - Document No
  - Extraction Date UGD
  - Extraction Date VGD
  - Gold SDS Issue Date (Latest)
  - Material Name
  - Material Tag Description

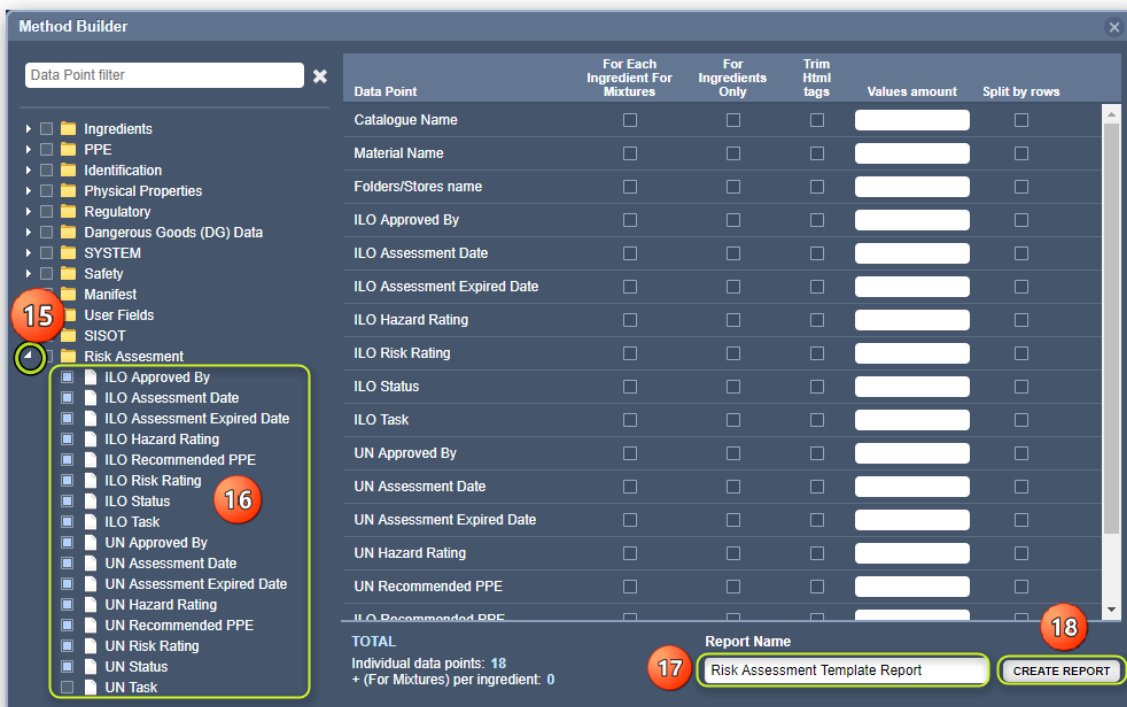
Data Point	For Each Ingredient For Mixtures	For Ingredients Only	Trim Html tags	Values amount	Split by rows
Catalogue Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
Material Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>





13. Scroll down to select the **expand arrow** next to the **Manifest** directory folder to open the list of datapoints.
14. Click the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane (which can also be used for further editing).











15. Scroll down to select  the **expand** arrow next to the **Risk Assessment** folder directory to open the list of datapoints.
16. Click  the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Risk Assessment	Approved By, Assessment Date, Status, Task, Assessment Expiry Date, Hazard Rating, Risk Rating




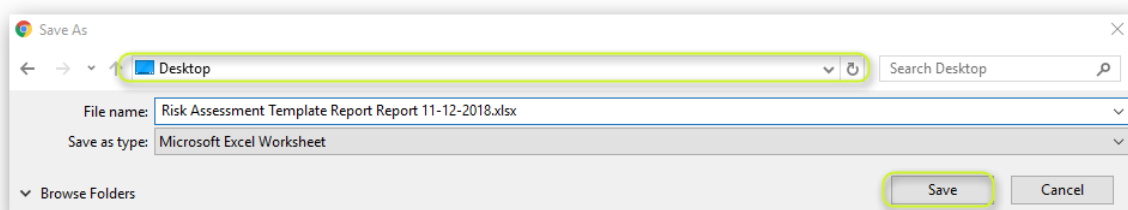
17. Type  the **Report template**  **name** in the Report Name free text field .
18. Press  the **Create Report** button.

 A confirmation message will display in the top middle of the user interface when the report is created and the method builder window will close and the report generator panel will be retained to continue the tasks below.

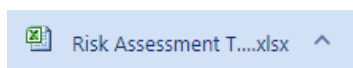
19. Select  the “Enable multiple” checkbox .
20. Select  the **Format** from the drop-down arrow , e.g., XLS.
21. Select  the **Download Images** checkbox .
22. Press  the **Download** button.





23. Choose a “file location ” from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the “Downloads Folder”.



24. Open the downloaded file “Manifest Data Report.xls .





25. The report exports data into the respective report format, e.g., spreadsheet .

 The datapoints in the report template  in the Advanced mode have been created by Chemwatch and the information exported is inferred from the data located in the source folder or location within the system’s tree structure, which is data drawn from your company’s inventory.


Manifest Risk Assessment Report with PPE Recommended

CATALOGUE NAME	MATERIAL NAME	FOLDERS/STORES NAME	ILO APPROVED BY	ILO ASSESSMENT DATE	ILO ASSESSMENT EXPIRED DATE	ILO HAZARD RATING	ILO RISK RATING	ILO STATUS	ILO TASK	UN APPROVED BY	UN ASSESSMENT DATE	UN ASSESSMENT EXPIRED DATE	UN HAZARD RATING	UN RECOMMENDED PPE	ILO RECOMMENDED PPE	UN RISK RATING	UN STATUS
Acetone	acetone	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage								Supervisor	03/02/2015 00:00	03/02/2020 00:00	3			4	Assessment Complete
Acetone	acetone	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage											3			4	Assessment Incomplete
Acetone	acetone	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage	Oconnor	09/02/2016 12:03	09/02/2021 00:00	2	1	Assessment Complete	Mixing								
Benzene	benzene	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage											3			3	Assessment Incomplete
Benzene	benzene	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		10/21/2015 18:01	10/21/2020 00:00	4+	4	Assessment Complete	No task defined								
	kerosene	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage															Assessment Required
	kerosene	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		04/19/2016 00:00	04/19/2021 00:00	2	1	Assessment Complete	No task defined								
Benzene	benzene	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants											3			2	Assessment Incomplete
Benzene	benzene	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants		11/12/2018 00:00	11/12/2023 00:00	4+	2	Assessment Complete	Mixing								

 Use the same steps to create other report templates and generate respective reports based on other types of datapoints; the exported data will resemble the following report, although the datapoints may vary from one report template to another. Close the report generator panel by clicking the close  icon or the cancel button


**CANCEL**


### 3.2.3 Create Template on NFPA Data and Generate a Report

NFPA (The US, National Fire Protection Association) VGD (Vendor Gold Data) data points are now available for domains with Administrative Settings ; Prefer Gold, Prefer VGD and Force VGD. These data points are available in the Report Generator Method Builder to enable users, especially in the US; to generate NFPA data related to their respective requirements. Note: This article does not necessarily apply to all Chemwatch applications' users across the world. Should this article not be relevant to you, please ignore this update. The following data points are reflected in the Method Builder's panel folder directory "Regulatory Folder".

- NFPA Health - VGD
- NFPA Fire - VGD
- NFPA Reactivity - VGD
- NFPA Special - VGD







The following steps illustrate the sequence with screen capture on 'how to create a template  to export NFPA data to a spreadsheet. In this worked example, the information will be

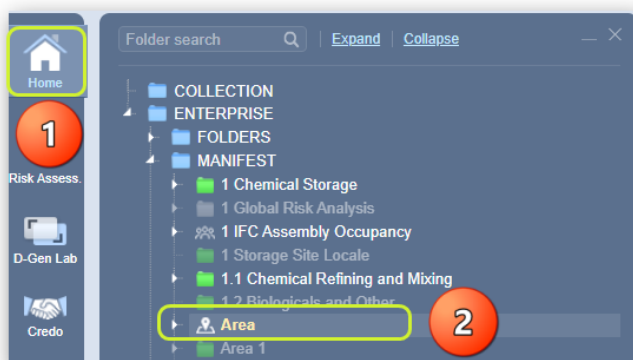
exported using data from a folder node at the Area level 1  under the Manifest Directory within the tree structure. The following list contains the NFPA related data points that will be captured in the report.








Directory	Method Builder Data Points
Identification	Cat Name, SDS Country, Vendor details, Vendor Issue Date
Regulatory	NFPA Fire, NFPA Health, NFPA Reactivity, NFPA Special VGD
Manifest	Folders/Stores Name, Max Volume, Total Volume, Units

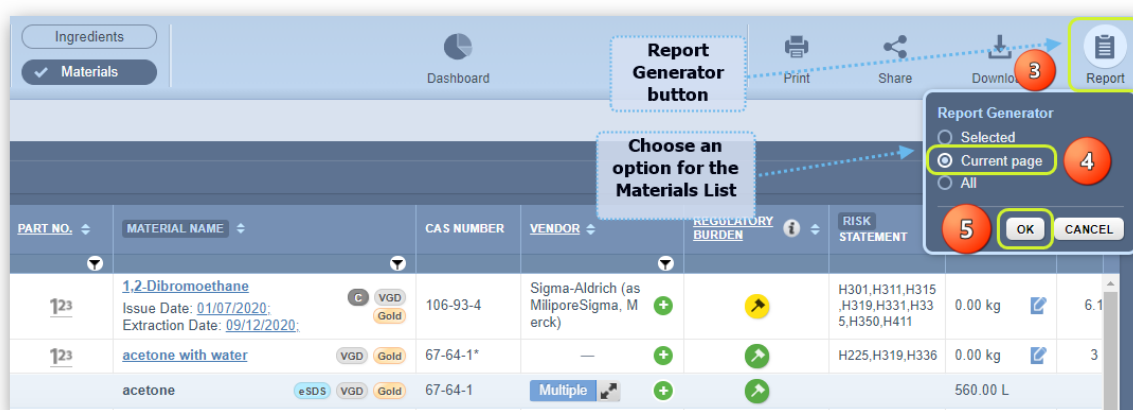
## Steps







Open the **Home** module  (if it's not already the default module).

1. **Expand**  Manifest directory nodes to view the folder location, e.g., level 1 Area node.
2. Press  the **Folder name**. Take note that the manifest list grid  defaults to Cat Name.

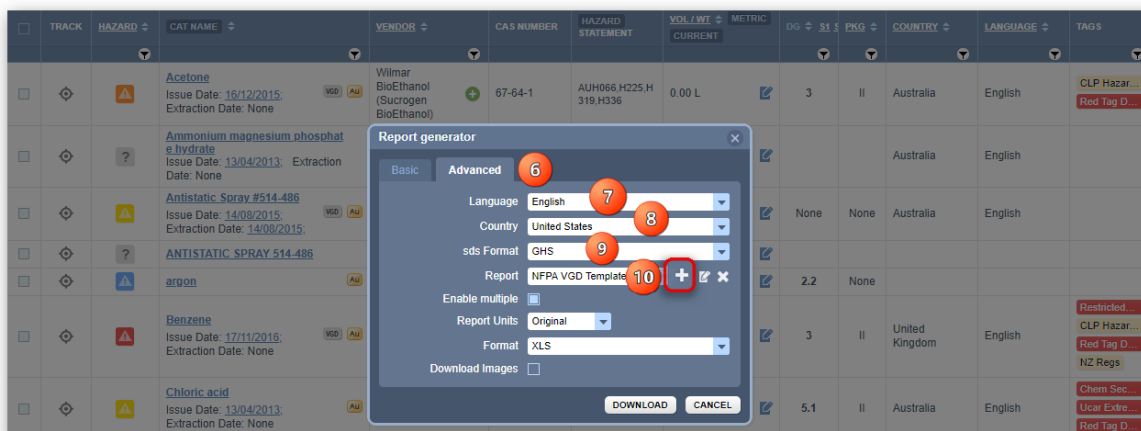


3. Click  the **Report Generator** button  at the top right corner of the user interface .
4. Ignore the default selection "Selected " and click  the **Current page** radio button  option.
5. Click  the **OK** button.

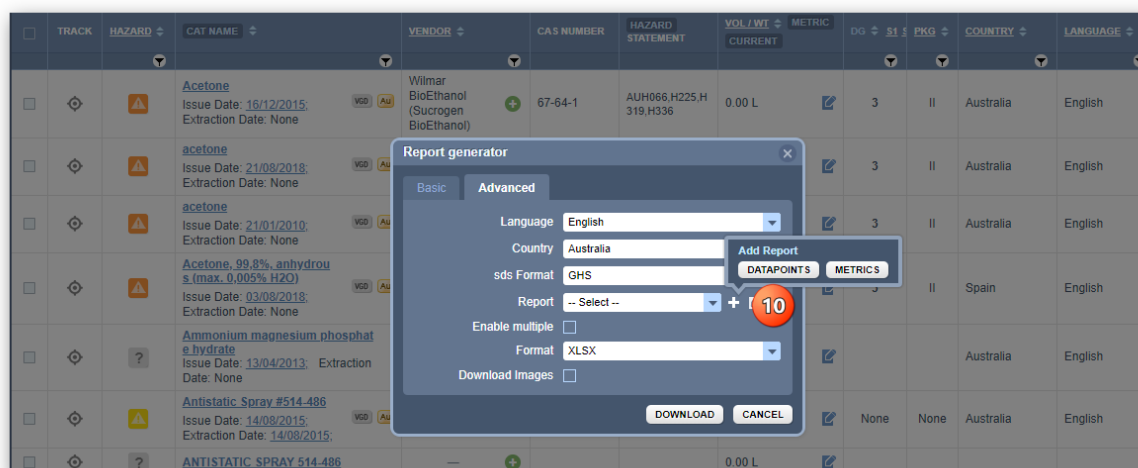


6. Press  the **Advanced** tab from the report generator panel.
7. Select  the **Country** from the drop-down arrow , e.g., United States .
8. Select  the **Language** from the drop-down arrow , e.g., English.

- Select the SDS format as GHS from the drop-down arrow.
- Hover move pointer over the Add icon to open the method builder window in order to add data points and then create a report template.



Click the Add Report Datapoints button to open the method builder window and create a report template.



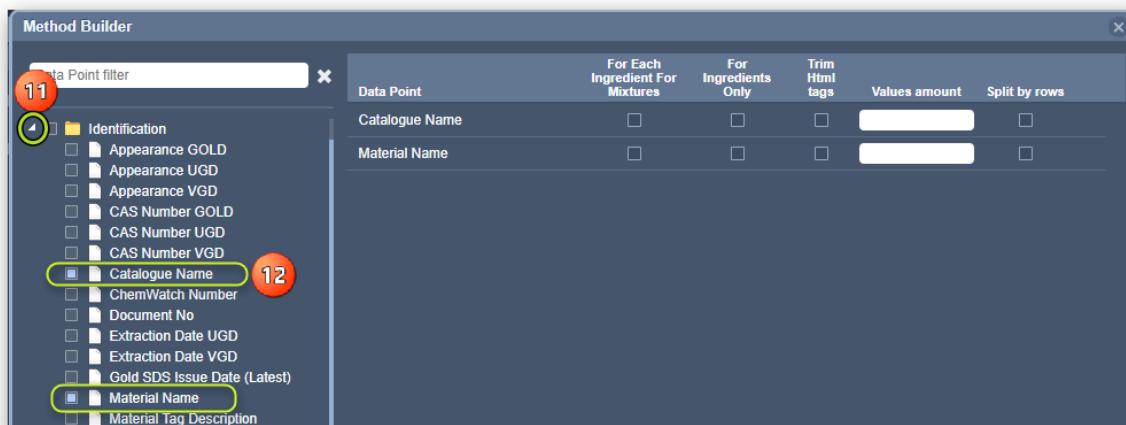
- Select the expand arrow next to the Identification folder directory to open the list of datapoints.
- Click the data points checkboxes listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

**Directory**

Identification

**Method Builder Data Points**

Cat Name, Material Name



13. Scroll down to select the **expand arrow** next to the **Manifest** folder directory to open the list of datapoints.
14. Click the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
<b>Manifest</b>	Folders/Stores Name, Max Volume, Total Volume, Units



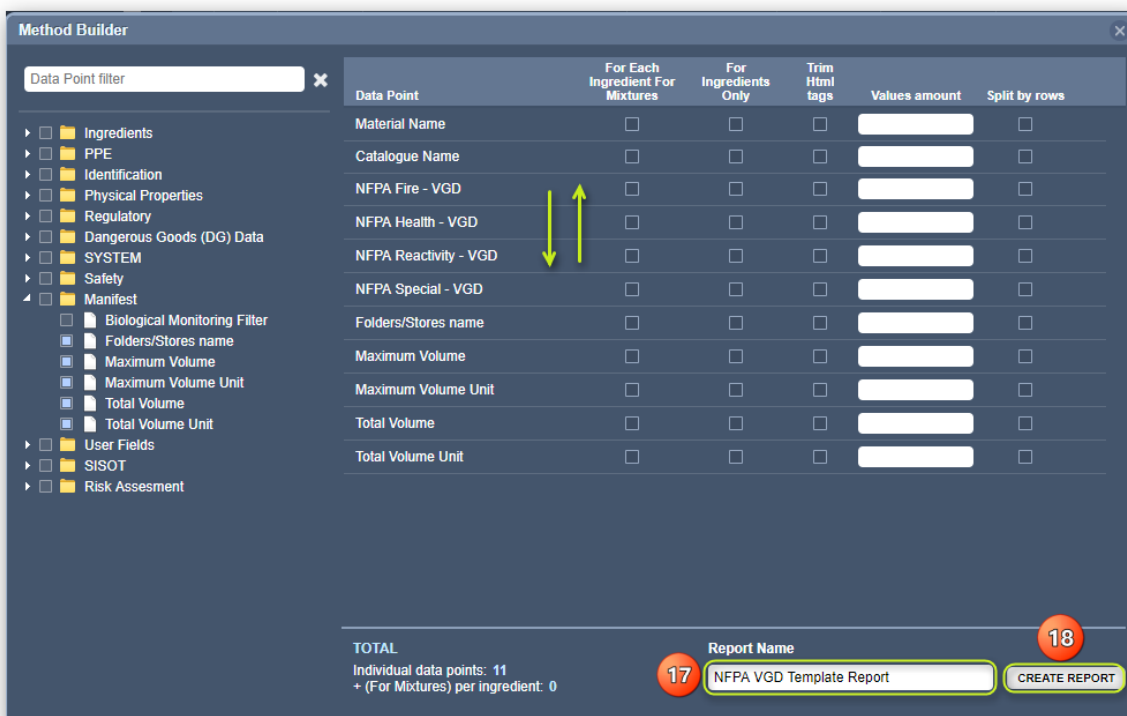
15. Scroll down to select the **expand arrow** next to the **Regulatory** folder directory to open the list of datapoints.
16. Click the **datapoints checkboxes** listed below or simply use the search field to type “NFPA” and look up for any related data points. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
<b>Regulatory</b>	NFPA Fire, NFPA Health, NFPA Reactivity, NFPA Special VGD



17. Type the Report template name in the Report Name free text field.

*i* The selected data points can also be rearranged in preferred order by using the drag and drop function to place a line item into the method builder grid on the right hand-side. This will assist in adjusting the data points in preparation for the export report so that there's no need to rearrange columns in the exported report spreadsheet.



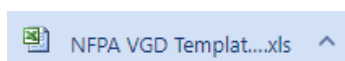
18. Press the Create Report button.

*i* A confirmation message will display in the top middle of the user interface when the report is created and the method builder window will close and the report generator panel will be retained to continue the tasks below.

19. Select the "Enable multiple" checkbox.
20. Set the Report Units to "Original".
21. Select the Format from the drop-down arrow, e.g., XLS.
22. Press the Download button.



23. Choose a “file location” from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the “Downloads Folder”.
24. **Open** the downloaded file “NFPA VGD Template Report.xls”.



25. The **report exports data** into the respective report format, e.g., spreadsheet.

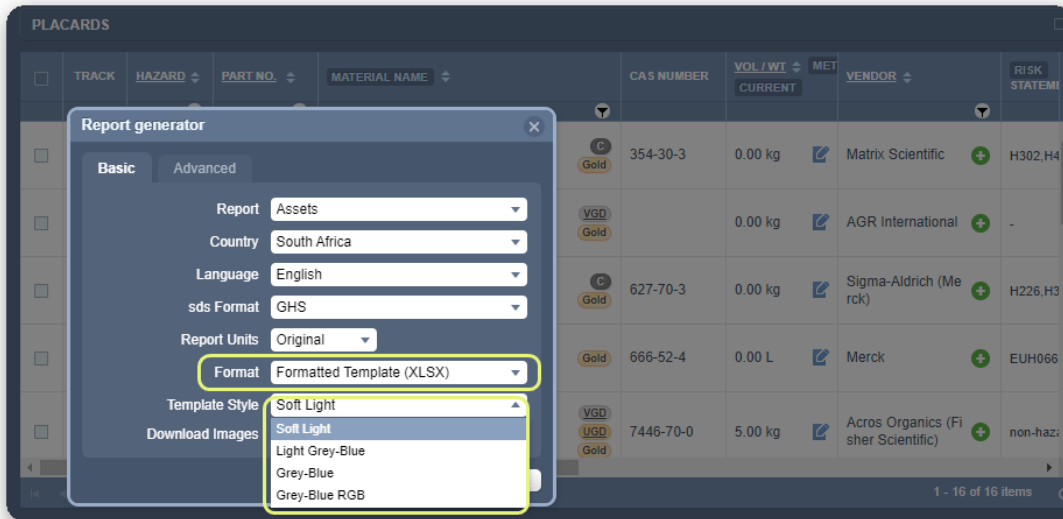
**i** The NFPA VGD datapoints in the report template in the Advanced mode are dependent of availability of vendor data extraction for the inventory records. Companies or organizations that outside the US, may ignore this topic on generating NFPA related reports. Close the report generator panel by clicking the close icon or the cancel button **CANCEL**.

### 3.3 Generate Reports using Theme Formatted Styles

#### The Basic Mode Formatted Styles

Chemwatch has implemented various types of Formatted Template Styles in XLSX format, which encompass different themes. The template styles are available in the **Basic mode tab**, located in the "Format" field as themes:

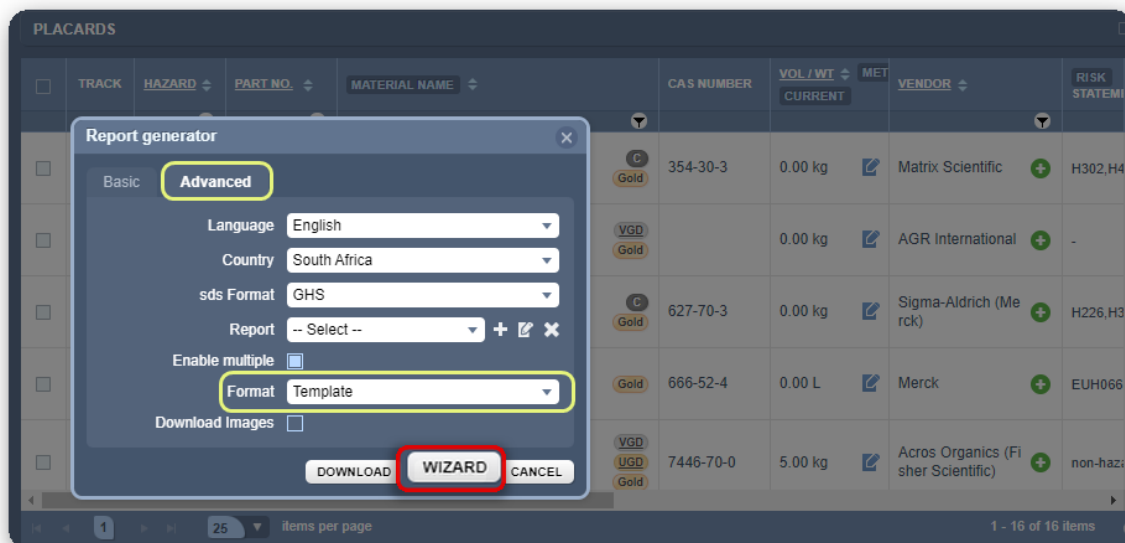
- Soft Light, Light Grey-Blue, Grey-Blue, Grey-Blue RGB

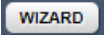


These themes come in presentation-ready styled sheets that have colour coded schemes. For example, an Assets basic report using the “Light Grey-Blue” template style is generated below.

ASSETS REPORT												
Location: /ENTERPRISE/MANIFEST/1 Chemical Storage												
Container Catalogue Number	Container Catalogue Name	Container Name	Vendor	Container				Average		Release		Temp
				Size	Size Unit	Qty	Type	Volume	Volume Unit	Volume	Volume Unit	
108744	Abound 400 Herbicide	Abound 400 Herbicide	DowDuPont	50	L	5	Above ground tank	Ambient	Ambient	None	False	
	Asc-500 Esomeprazole sodium	Asc-500 Esomeprazole sodium	Ascent Scientific	10	L	8	Above ground tank	Ambient	Ambient	None	False	
	trichloroethane	1,1,1-Trichloroethane for synthesis	Merck	20	L	3	Above ground tank	Ambient	Ambient	None	False	
	Thinner	Chemtools Acetone	ChemTools	10	L	1	Above ground tank	Ambient	Ambient	None	False	
	acetone-D6	acetone-D6	Merck	5	L	5	Above ground tank	Ambient	Ambient	None	False	
108744	abound 400 herbicide	Abound 400 Herbicide	DowDuPont	50	L	2	Above ground tank	Ambient	Ambient	None	False	
	acetone	acetone	3M	10	L	4	Above ground tank	Ambient	Ambient	None	True	
12095	Benzene	BENZENE, 99.9-%, HPLC GRADE	Sigma-Aldrich (as MilliporeSigma, Merck)	2	L	4	Above ground tank	Ambient	Ambient	None	False	

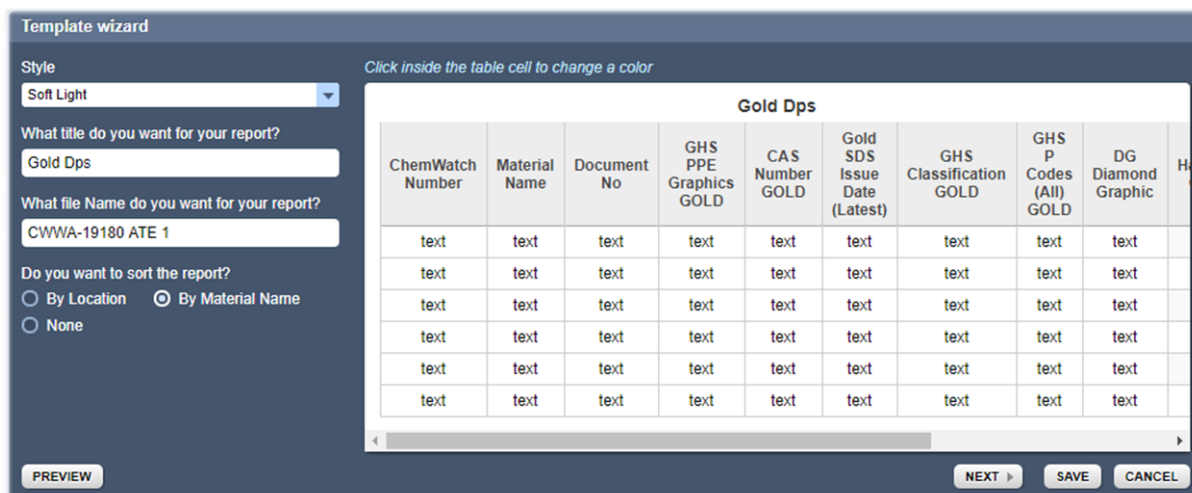
### The Advanced Mode Formatted Styles




The newly “Formatted Template (XLSX)” will be triggered through the “Wizard” button  from the Report Generator panel when the format “Template” is assigned from the drop-down list of various formats.


The Wizard template provides radio buttons to be able to sort the report by these options:

- By Location
- By Material Name
- None



The template wizard contains the following elements to style your report:

Template Wizard Element	Report Options
Report <b>Style</b>	Choose the report style from the 4 options: <b>Soft Light, Light Grey-Blue, Grey-Blue, Grey-Blue RGB</b>
Report <b>Title</b>	Assign a title to your type of report <ul style="list-style-type: none"> <li>○ Gold Dps (Chemwatch Gold Datapoints)</li> <li>○ VGD Dps (Vendor Gold Datapoints)</li> <li>○ UGD Dps (User Gold Datapoints)</li> <li>○ SISOT Dps (Assets and Containers Datapoints)</li> <li>○ RA Dps (Risk Assessment Datapoints)</li> </ul> <i>And many more...</i>
Report <b>Name</b>	Report file name during template  creation.
Type of <b>Sort</b>	Sort the report by “Location” or “By Material Name or None.
Change <b>Cell Colour</b>	Table cells can be set to desired colour(s).
Report <b>Preview</b>	Enables preview content and style of the formatted report.

The template styles  based reports can vary from a wide range of data points listed in the Method Builder directories.

The descriptions of the Method Builder data points can be found [here](#). This means that these reports can contain datapoints for a range of common set of data:

- o **Gold** (Chemwatch Gold Datapoints)
- o **VGD** (Vendor Gold Datapoints)
- o **UGD** (User Gold Datapoints)
- o **SISOT** (Assets and Containers Datapoints)
- o **RA** (Risk Assessment Datapoints)

The samples of the advanced template reports based on the above data points are shown below.

**Gold** (Chemwatch Gold Datapoints)

Gold Dps													
CHEMWATCH NUMBER	MATERIAL NAME	DOCUMENT NO	GRS PPE GRAPHICS GOLD	CAF NUMBER GOLD	SOLE USE ISSUED DATE (A-Z)	GRS CLASSIFICATION GOLD	GRS P CODE (ALL) GOLD	DIS DIAGRAMM GRAPHIC	BACKUM GOLD	UM	TOTAL	UNIT	FOLDER/STORE NAME
5000	acetone	a100		67 64.1	25/02/2018	Eye Irritation Category 2 (Acute) Liquid Category 2 (Acute) (single exposure) Category 2 (Acute) (single exposure)	P101+P102+P103+P104+P105+P106+P107+P108+P109+P110+P111+P112+P113+P114+P115+P116+P117+P118+P119+P120+P121+P122+P123+P124+P125+P126+P127+P128+P129+P130+P131+P132+P133+P134+P135+P136+P137+P138+P139+P140+P141+P142+P143+P144+P145+P146+P147+P148+P149+P150+P151+P152+P153+P154+P155+P156+P157+P158+P159+P160+P161+P162+P163+P164+P165+P166+P167+P168+P169+P170+P171+P172+P173+P174+P175+P176+P177+P178+P179+P180+P181+P182+P183+P184+P185+P186+P187+P188+P189+P190+P191+P192+P193+P194+P195+P196+P197+P198+P199+P200+P201+P202+P203+P204+P205+P206+P207+P208+P209+P210+P211+P212+P213+P214+P215+P216+P217+P218+P219+P220+P221+P222+P223+P224+P225+P226+P227+P228+P229+P230+P231+P232+P233+P234+P235+P236+P237+P238+P239+P240+P241+P242+P243+P244+P245+P246+P247+P248+P249+P250+P251+P252+P253+P254+P255+P256+P257+P258+P259+P260+P261+P262+P263+P264+P265+P266+P267+P268+P269+P270+P271+P272+P273+P274+P275+P276+P277+P278+P279+P280+P281+P282+P283+P284+P285+P286+P287+P288+P289+P290+P291+P292+P293+P294+P295+P296+P297+P298+P299+P300+P301+P302+P303+P304+P305+P306+P307+P308+P309+P310+P311+P312+P313+P314+P315+P316+P317+P318+P319+P320+P321+P322+P323+P324+P325+P326+P327+P328+P329+P330+P331+P332+P333+P334+P335+P336+P337+P338+P339+P340+P341+P342+P343+P344+P345+P346+P347+P348+P349+P350+P351+P352+P353+P354+P355+P356+P357+P358+P359+P360+P361+P362+P363+P364+P365+P366+P367+P368+P369+P370+P371+P372+P373+P374+P375+P376+P377+P378+P379+P380+P381+P382+P383+P384+P385+P386+P387+P388+P389+P390+P391+P392+P393+P394+P395+P396+P397+P398+P399+P400+P401+P402+P403+P404+P405+P406+P407+P408+P409+P410+P411+P412+P413+P414+P415+P416+P417+P418+P419+P420+P421+P422+P423+P424+P425+P426+P427+P428+P429+P430+P431+P432+P433+P434+P435+P436+P437+P438+P439+P440+P441+P442+P443+P444+P445+P446+P447+P448+P449+P450+P451+P452+P453+P454+P455+P456+P457+P458+P459+P460+P461+P462+P463+P464+P465+P466+P467+P468+P469+P470+P471+P472+P473+P474+P475+P476+P477+P478+P479+P480+P481+P482+P483+P484+P485+P486+P487+P488+P489+P490+P491+P492+P493+P494+P495+P496+P497+P498+P499+P500+P501+P502+P503+P504+P505+P506+P507+P508+P509+P510+P511+P512+P513+P514+P515+P516+P517+P518+P519+P520+P521+P522+P523+P524+P525+P526+P527+P528+P529+P530+P531+P532+P533+P534+P535+P536+P537+P538+P539+P540+P541+P542+P543+P544+P545+P546+P547+P548+P549+P550+P551+P552+P553+P554+P555+P556+P557+P558+P559+P560+P561+P562+P563+P564+P565+P566+P567+P568+P569+P570+P571+P572+P573+P574+P575+P576+P577+P578+P579+P580+P581+P582+P583+P584+P585+P586+P587+P588+P589+P590+P591+P592+P593+P594+P595+P596+P597+P598+P599+P600+P601+P602+P603+P604+P605+P606+P607+P608+P609+P610+P611+P612+P613+P614+P615+P616+P617+P618+P619+P620+P621+P622+P623+P624+P625+P626+P627+P628+P629+P630+P631+P632+P633+P634+P635+P636+P637+P638+P639+P640+P641+P642+P643+P644+P645+P646+P647+P648+P649+P650+P651+P652+P653+P654+P655+P656+P657+P658+P659+P660+P661+P662+P663+P664+P665+P666+P667+P668+P669+P670+P671+P672+P673+P674+P675+P676+P677+P678+P679+P680+P681+P682+P683+P684+P685+P686+P687+P688+P689+P690+P691+P692+P693+P694+P695+P696+P697+P698+P699+P700+P701+P702+P703+P704+P705+P706+P707+P708+P709+P710+P711+P712+P713+P714+P715+P716+P717+P718+P719+P720+P721+P722+P723+P724+P725+P726+P727+P728+P729+P730+P731+P732+P733+P734+P735+P736+P737+P738+P739+P740+P741+P742+P743+P744+P745+P746+P747+P748+P749+P750+P751+P752+P753+P754+P755+P756+P757+P758+P759+P760+P761+P762+P763+P764+P765+P766+P767+P768+P769+P770+P771+P772+P773+P774+P775+P776+P777+P778+P779+P780+P781+P782+P783+P784+P785+P786+P787+P788+P789+P790+P791+P792+P793+P794+P795+P796+P797+P798+P799+P800+P801+P802+P803+P804+P805+P806+P807+P808+P809+P810+P811+P812+P813+P814+P815+P816+P817+P818+P819+P820+P821+P822+P823+P824+P825+P826+P827+P828+P829+P830+P831+P832+P833+P834+P835+P836+P837+P838+P839+P840+P841+P842+P843+P844+P845+P846+P847+P848+P849+P850+P851+P852+P853+P854+P855+P856+P857+P858+P859+P860+P861+P862+P863+P864+P865+P866+P867+P868+P869+P870+P871+P872+P873+P874+P875+P876+P877+P878+P879+P880+P881+P882+P883+P884+P885+P886+P887+P888+P889+P890+P891+P892+P893+P894+P895+P896+P897+P898+P899+P900+P901+P902+P903+P904+P905+P906+P907+P908+P909+P910+P911+P912+P913+P914+P915+P916+P917+P918+P919+P920+P921+P922+P923+P924+P925+P926+P927+P928+P929+P930+P931+P932+P933+P934+P935+P936+P937+P938+P939+P940+P941+P942+P943+P944+P945+P946+P947+P948+P949+P950+P951+P952+P953+P954+P955+P956+P957+P958+P959+P960+P961+P962+P963+P964+P965+P966+P967+P968+P969+P970+P971+P972+P973+P974+P975+P976+P977+P978+P979+P980+P981+P982+P983+P984+P985+P986+P987+P988+P989+P990+P991+P992+P993+P994+P995+P996+P997+P998+P999+P1000	2Y	100	1	L	ENTERPRISE/OLDER/ChemwatchGold VY VGD	

**VGD** (Vendor Gold Datapoints)

VGD Dps															
CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	REGION	ISSUANCE NO	ISSUE STATUS	ISSUE DATE	EXTRACTION DATE VGD	GRS CLASSIFICATION VGD	GRS PROGRAM IMAGE VGD	PROPERTY NO	UM	SHIPPING NAME	TOTAL	UNIT	FOLDER/STORE NAME
1421	LP1 (Bk)	LP1 (Bk)	ITV	0216163	United States	05/01/2018	Application Hazard Category 2 (Acute) Inhalation Category 2 (Acute) (single exposure) Category 2 (Acute) (single exposure)		100	100	100	PETROLEUM DISTILLATE, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	0	L	ENTERPRISE/OLDER/ChemwatchGold VY VGD

**UGD** (User Gold Datapoints)

UGD dps															
CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	REGION	ISSUANCE NO	ISSUE STATUS	ISSUE DATE	EXTRACTION DATE VGD	GRS CLASSIFICATION VGD	GRS PROGRAM IMAGE VGD	PROPERTY NO	UM	SHIPPING NAME	TOTAL	UNIT	FOLDER/STORE NAME
20-0876	CR Bands Mean Green Super Strength Clean & Disinfect	Mean Green	CR Bands	0308661	United States	02/01/2018	Application Hazard Category 2 (Acute) Inhalation Category 2 (Acute) (single exposure) Category 2 (Acute) (single exposure)		100	100	100	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	0	L	ENTERPRISE/OLDER/ChemwatchGold VY VGD

**SISOT** (Assets and Containers Datapoints)

SISOT Dps													
CONTAINER CATALOGUE NAME	VENDOR	CONTAINER CATALOGUE NUMBER	CONTAINER DATE ACQUISITION	CONTAINER QUANTITY	CONTAINER BARCODE	CONTAINER OWNER	CONTAINER SIZE	CONTAINER UNIT	CONTAINER STATUS	CONTAINER VOLUME	CONTAINER UNIT	TOTAL	UNIT
Galmet Fast Dry High Gloss	ITW (ITW Polymers & Fluids)	GSPSA350	12/02/2016	04/12/16	1	000000003	None	1	L	False	4	L	

## RA (Risk Assessment Datapoints)

RA Dps									
MATERIAL NAME	ILO TASK	ILO STATUS	ILO HAZARD RATING	ILO RECOMMENDED PPE	ILO RISK RATING	ILO ASSESSMENT DATE	ILO ASSESSMENT EXPIRED DATE	ILO APPROVED BY	
"CYREL" FLEKO SUPER CLEANER	No task defined	Assessment Complete	1		3	15/05/2018	15/05/2021	Tester 1	
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+)-10-camphorsulfonyl chloride	No task defined	Assessment Complete	3		4+	15/05/2018	15/05/2021	Tester 2	
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+)-10-camphorsulfonyl chloride		Assessment Required							
(+/-)-2,4-dimethylcyclopentanone		Assessment Required							
(+/-)-2-chloropropionitrile		Assessment Required							
(+/-)-2-methylglutaronitrile		Assessment Required							

### How to Generate these Reports?

Consider this following overarching overview on Formatted Styles.

Note that before selecting an advanced formatted template , a report template must be created first, which can then be used to export the data by using the styles template wizard. Any selected datapoints during the creation of a template, those data points will be generated as columns in the exported report.

#### Format (Style) Template Report

1. Set Report Generator Report to "Selected/Current Page/All of your inventory list of materials in a folder"
2. Create a report template by selecting **data points** from the Method Builder window in Advanced Tab
3. Select the report template name and assign it to the new format template (advanced mode). Open the template wizard to assign report style and the type of sorting.

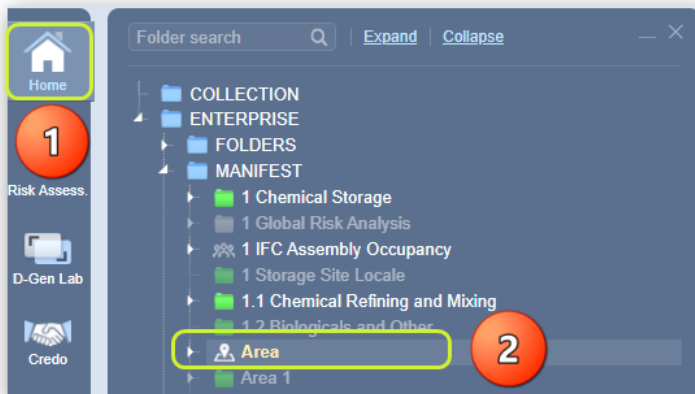
### 3.3.1 Generate a Theme Formatted Style Report in Basic Mode

The following steps demonstrate **how to use a basic template to export data to a spreadsheet using a theme formatted style**. In this worked example, the data will be exported from a folder node at the Area level 1 of the tree using the basic template name "Manifest locations and volumes GOLD" and the formatted style theme name "Grey-Blue RGB" colour scheme.

#### Steps: Generate a Them Formatted Style Report in Basic Mode

Open the **Home** module (if it's not already the default module).

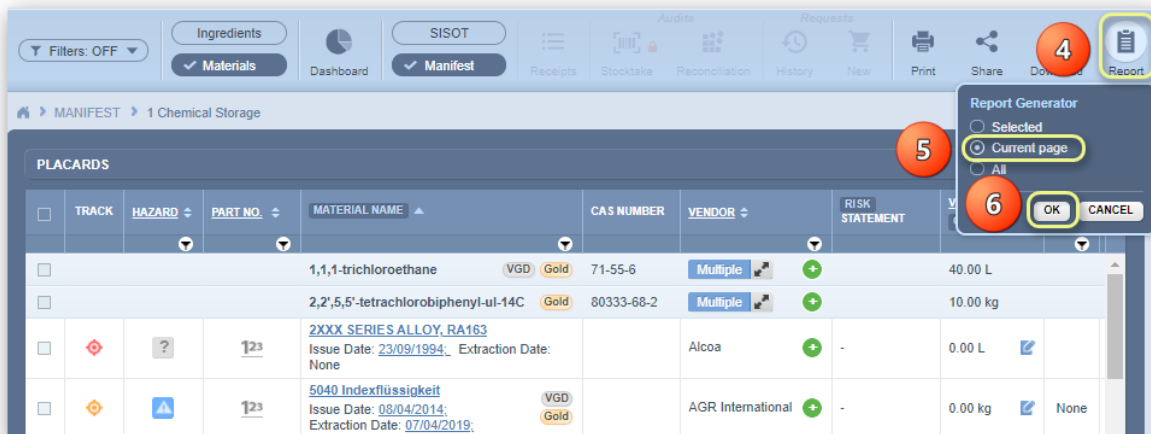
1. **Expand** Manifest directory nodes to view the folder location, e.g., level 1 Area node.
2. Press the **Folder name**. Take note that the manifest list grid defaults to Cat Name.



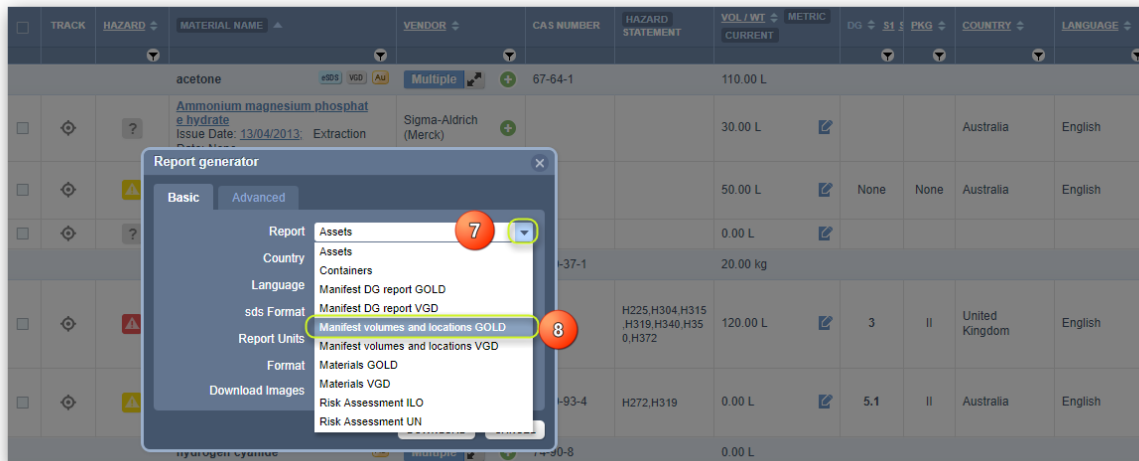
3. Change Cat Name header to **Material Name** to generate any data points based on Chemwatch GOLD data.















TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG
			Cat Name						
			Material Name						
			1,1,1-trichloroethane	71-55-6	Multiple		40.00 L		
			2,2',5,5'-tetrachlorobiphenyl-ul-14C	80333-68-2	Multiple		10.00 kg		
		123	2XXX SERIES ALLOY, RA163 Issue Date: 23/09/1994; Extraction Date: None		Alcoa		0.00 L		
		123	5040 Indexflüssigkeit Issue Date: 08/04/2014; Extraction Date: 07/04/2019;		AGR International		0.00 kg		None

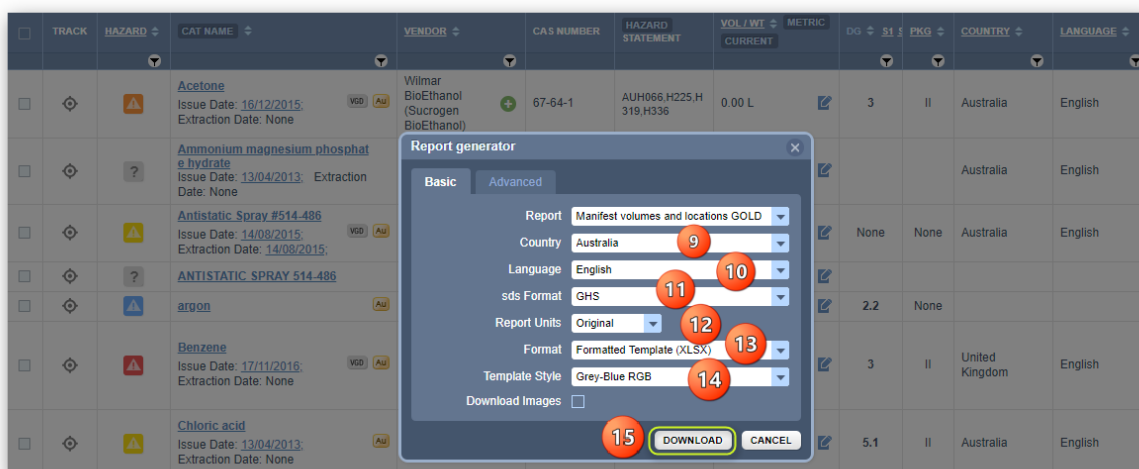
4. Click the **Report Generator** button at the top right corner of the user interface. Ignore the default selection "Selected" and click the **Current page** radio button option.
5. Click the **OK** button,




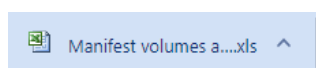
6. Select the **Report** field's drop-down arrow to list available report templates.
7. Select the **Report name** template from the list, e.g., Materials volumes and locations GOLD.




8. Select  the **Country** from the drop-down arrow , e.g., Australia .
9. Select  the **Language** from the drop-down arrow , e.g., English.
10. Select  the **SDS format as GHS** from the drop-down arrow .
11. Select  the **Report units** from the drop-down arrow , e.g., Original.
12. Select  the **Format** from the drop-down arrow , e.g., Formatted Style.
13. Select  the **Template Style** from the drop-down arrow , e.g., Grey-Blue RGB.
14. Press  the **Download** button.



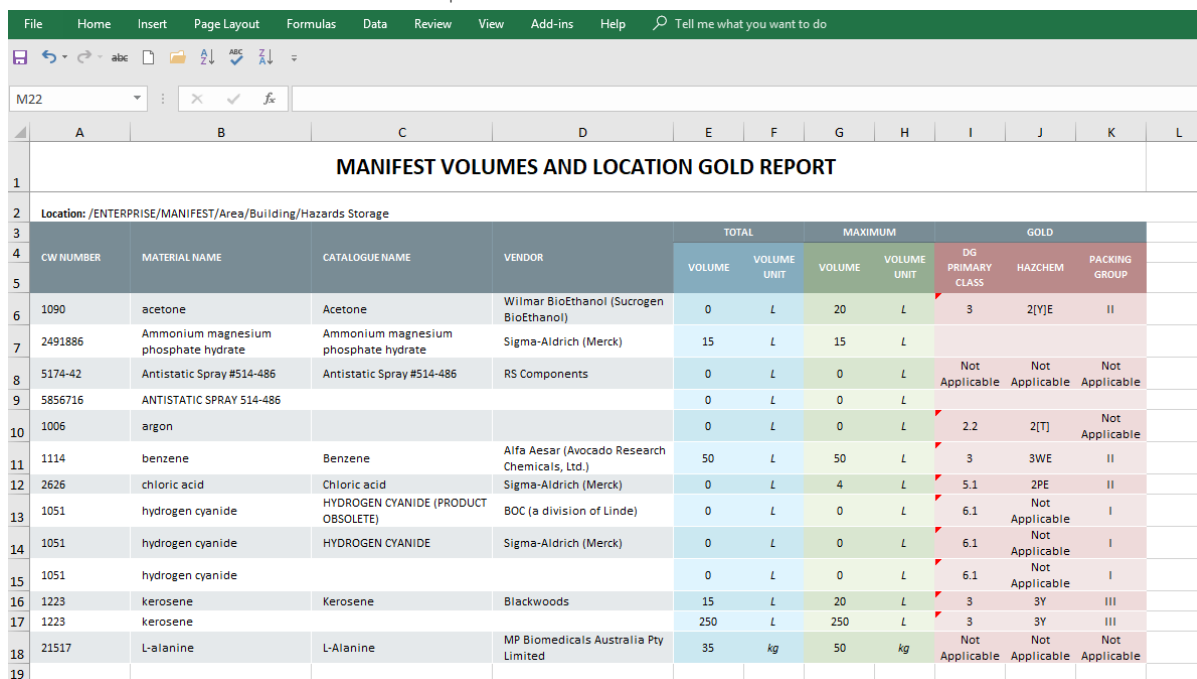
15. Choose a **“file location”**  from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the **“Downloads Folder”**.
16. Open the downloaded file **“Manifest volumes and locations GOLD”.xls**.



17. The report exports data into the spreadsheet based on the default Chemwatch datapoints.



 The default datapoints in the report templates in Basic mode – Theme Formatted Styles have been created by Chemwatch and the information exported is inferred to the data located from the source folder or location. Samples of these types of theme formatted style reports based on the basic default templates are provided in the [appendix](#) of this guide for reference.

### Manifest volumes and locations GOLD Report






MANIFEST VOLUMES AND LOCATION GOLD REPORT										
Location: /ENTERPRISE/MANIFEST/Area/Building/Hazards Storage										
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD		
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP
1090	acetone	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0	L	20	L	3	2[Y]E	II
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15	L	15	L			
5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	0	L	0	L	Not Applicable	Not Applicable	Not Applicable
5856716	ANTISTATIC SPRAY 514-486			0	L	0	L			
1006	argon			0	L	0	L	2.2	2[T]	Not Applicable
1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	50	L	50	L	3	3WE	II
2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0	L	4	L	5.1	2PE	II
1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	0	L	0	L	6.1	Not Applicable	I
1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0	L	0	L	6.1	Not Applicable	I
1051	hydrogen cyanide			0	L	0	L	6.1	Not Applicable	I
1223	kerosene	Kerosene	Blackwoods	15	L	20	L	3	3Y	III
1223	kerosene			250	L	250	L	3	3Y	III
21517	L-alanine	L-Alanine	MP Biomedicals Australia Pty Limited	35	kg	50	kg	Not Applicable	Not Applicable	Not Applicable

### 3.3.2 Generate a Theme Formatted Style Report in Advanced Mode

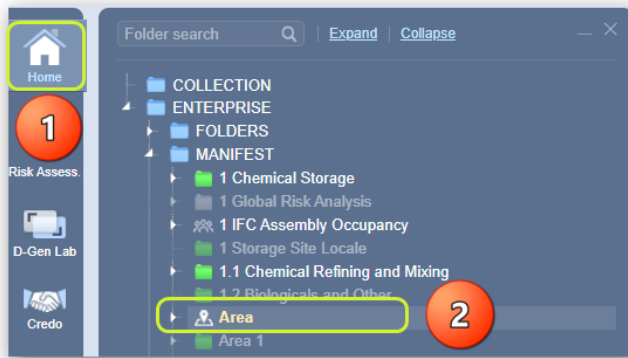
In the Report Generator Advanced mode; the **Wizard** provides users with the ability to set a specific format template. The following steps show **how to use the advanced template**  **to export data to a spreadsheet using a theme formatted style**. In this worked example, the data will be exported from a folder node at the Area level 1  of the tree using the basic template name “Manifest locations and volumes GOLD” and the formatted style theme name “Grey-Blue RGB” colour scheme.

#### Steps: Generate a Them Formatted Style Report in Advanced Mode

Open the **Home** module  (if it’s not already the default module).

1. Expand  Manifest Directory nodes to view the folder location, e.g., level 1 Area node.
2. Press  the **Folder name**. Take note that the manifest list grid defaults to Cat Name. The default view mode is Cat Name.

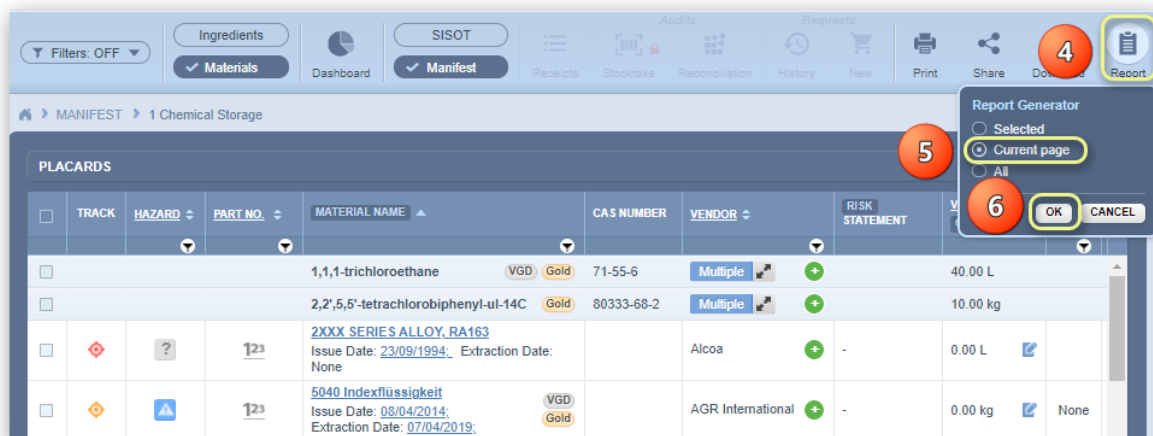





3. Change Cat Name header to **Material Name** header in order to generate any data points based on Chemwatch Gold data.

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL / WT	MET	PKG
			Cat Name						
			Material Name						
			1,1,1-trichloroethane	71-55-6	Multiple		40.00 L		
			2,2',5,5'-tetrachlorobiphenyl-ul-14C	80333-68-2	Multiple		10.00 kg		
		123	2XXX SERIES ALLOY, RA163 Issue Date: 23/09/1994; Extraction Date: None		Alcoa		0.00 L		
		123	5040 Indexflüssigkeit Issue Date: 08/04/2014; Extraction Date: 07/04/2019;		AGR International		0.00 kg		None

4. Click the **Report Generator** button at the top right corner of the user interface.
5. Ignore the default selection "Selected" and click the **Current page** radio button option.
6. Click the **OK** button.

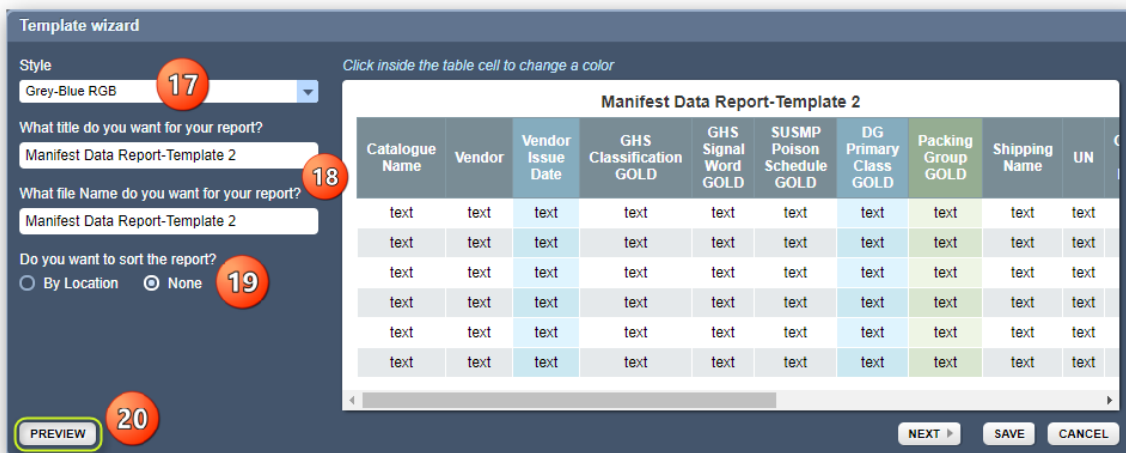


7. Press the **Advanced** tab from the report generator panel.
8. Select the **Language** from the drop-down arrow, e.g., English.
9. Select the **Country** from the drop-down arrow, e.g., Australia .
10. Select the **SDS format as GHS** from the drop-down arrow.
11. Select the **Report name** from the drop-down list of available report names (if any templates have been created). In this case, the Manifest Data Report created in section 3.2.1, will be selected for this worked example.

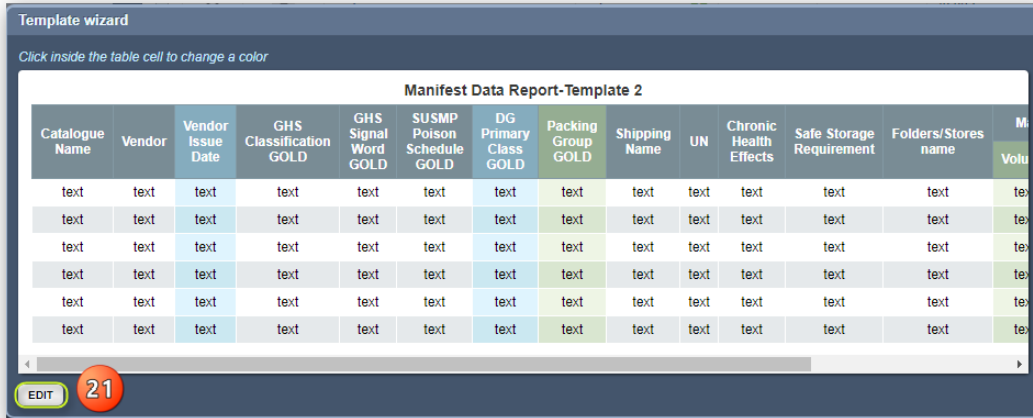
12. Select  the **Enable multiple** checkbox.
13. Select  the **Report units** from the drop-down arrow, e.g., Original.
14. Select  the **Format** from the drop-down arrow, e.g., Template.
15. Select  the **Download Images** checkbox.
16. Press  the **Wizard** button to open the Template Wizard window.






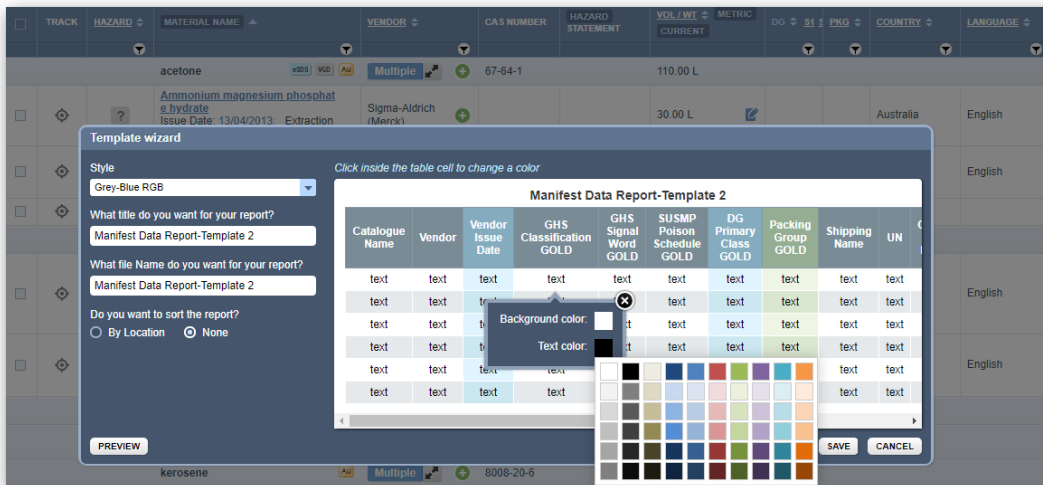
17. Select  the **Style** from the Template Wizard drop-down arrow, e.g., Grey-Blue RGB.
18. Maintain the same report name and file name as per the selected **template report name** in step 11 above.



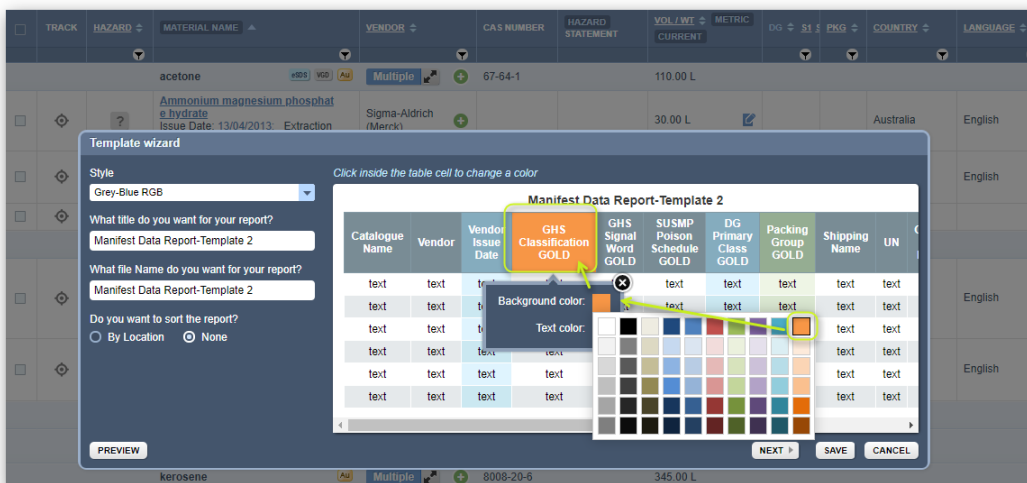
19. Select  the sorting "By Location or **None**". In this worked example, no sorting is applied.
20. Press the "**Preview**" button on the bottom left on the Template Wizard to check how the report would look like.
21. Press  the **Edit** button to go back to the edit mode.




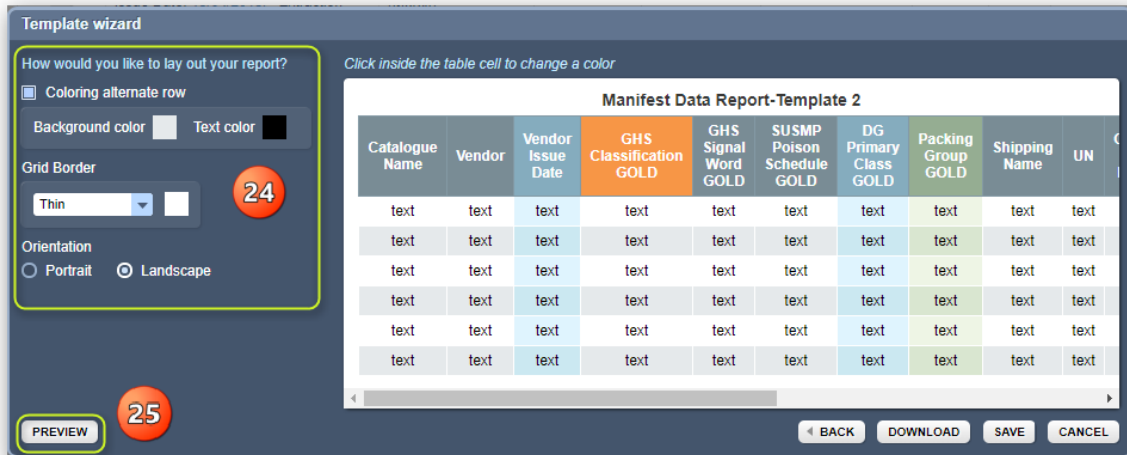
22. Click  **Inside a cell** on the table to change a colour if need be. Choose the background color  and/or the text colour  by selecting the respective boxes. The default colour theme is shown below.




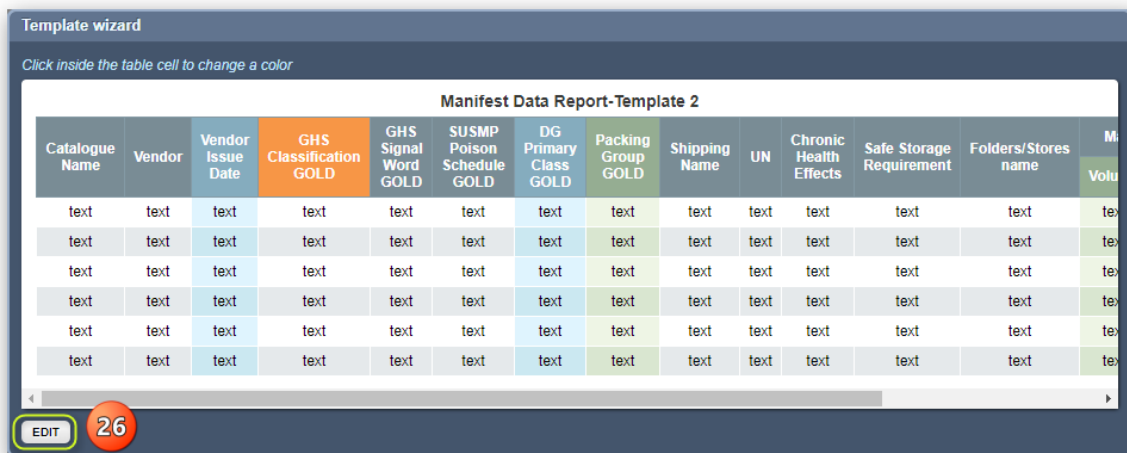
An example of an assigned colour change for a column cell has been selected below.





23. Press  the **Next** button to change the layout and the coloring alternate row, grid border and orientation. The default coloring for the Grey-Blue theme is set to a white background, black text, a thin grid border and landscape orientation.
24. Set the respective **coloring alternate row**, **grid border** and **orientation** (portrait or landscape). Note that in this worked example, will maintain the default fields.



25. Press the “**Preview**” button on the bottom left on the Template Wizard to check how the report would look like.
26. Press  the **Edit** button to go back to the edit mode.



27. Press  the **Save** button to save the template  for future use.

**Template wizard**

How would you like to lay out your report?  
 Coloring alternate row

Background color  Text color

Grid Border  
 Thin

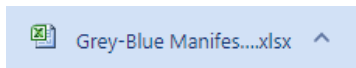
Orientation  
 Portrait  Landscape

Click inside the table cell to change a color

Catalogue Name	Vendor	Vendor Issue Date	GHS Classification GOLD	GHS Signal Word GOLD	SUSMP Poison Schedule GOLD	DG Primary Class GOLD	Packing Group GOLD	Shipping Name	UN
text	text	text	text	text	text	text	text	text	text
text	text	text	text	text	text	text	text	text	text
text	text	text	text	text	text	text	text	text	text
text	text	text	text	text	text	text	text	text	text
text	text	text	text	text	text	text	text	text	text
text	text	text	text	text	text	text	text	text	text

PREVIEW      < BACK      DOWNLOAD      SAVE      CANCEL

- Press the **Download** button to export data.
- Choose a “**file location**” from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the “**Downloads Folder**”.
- Open the downloaded file “Manifest Data Report”.xls .




- The report exports data into the spreadsheet based on the selected Chemwatch datapoints.
- Click the **Cancel** button on the Template Wizard and then press the close icon on the Report Generator panel.

The default datapoints in the report templates in the Advanced mode – Theme Formatted Styles have been created by Chemwatch and the information exported is inferred to the data located from the source folder or location within the system’s tree structure, which is data drawn from your company’s inventory. Samples of these types of theme formatted style based on Basic mode templates are provided in the [Appendix](#) of this guide for reference. Close the report generator panel by clicking the close icon or the cancel button.



### Manifest Data Template Report

Manifest Data Report-Template 2															
CATALOGUE NAME	VENDOR	VENDOR ISSUE DATE	GHS CLASSIFICATION GOLD	GHS SIGNAL WORD GOLD	SUSMP POISON SCHEDULE GOLD	DG PRIMARY CLASS GOLD	PACKING GROUP GOLD	SHIPPING NAME	UN	CHRONIC HEALTH EFFECTS	SAFE STORAGE REQUIREMENT	FOLDERS/STORES NAME	MAXIMUM VOLUME UNIT	TOTAL VOLUME UNIT	GHS PICTOGRAM IMAGES GOLD
Artistic Spray #514-486	RS Components	14.08.2015	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative	Store in original containers. Keep containers securely sealed.	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	0 L	0 L	Not Applicable
Benzene	Alfa Aesar (Acquardo Research)	17.11.2016	Aspiration Hazard Category 1 1 Carcinogenicity	Danger	57	3	II	BENZENE	1114	On the basis of epidemiological data, the material is regarded as	Store in original containers in approved flame	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	50 L	50 L	
Kerosene	Blackwoods	01.03.2015	Aspiration Hazard Category 1 1 Flammable	Danger	55	3	III	KEROSENE	1223	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers in approved	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	20 L	15 L	
			Aspiration Hazard Category 1 1 Flammable	Danger	55	3	III	KEROSENE	1223	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers in approved	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	250 L	250 L	
Chloric acid	Sigma-Aldrich (Merck)	13.04.2013	Eye Irritation Category 2A 2A Oxidizing Liquid	Danger	Not Applicable	5.1	II	CHLORIC ACID, AQUEOUS SOLUTION with	2626	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers. Keep containers	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	4 L	0 L	
Acetone	Wilmar Bioethanol (Gougenon)	16.12.2015	Eye Irritation Category 2A 2A Flammable Gas under Pressure (Compressed gas)	Danger	55	3	II	ACETONE	1090	Prolonged or repeated skin contact may cause drying with cracking	Store in original containers in approved flame	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	20 L	0 L	
			Gas under Pressure (Compressed gas)	Warning	Not Applicable	2.2	Not Applicable	ARGON, COMPRESSED	1006	Long-term exposure to the product is not thought to produce chronic effects	Cylinders should be stored in a purpose-built	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	0 L	0 L	
HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	26.05.2015	Acute Aquatic Hazard Category 1 1 Acute Toxicity	Danger	57	6.1	I	HYDROGEN CYANIDE, STABILISED	1051	Limited evidence suggests that repeated or long-term occupational exposure	Rotate all stock to prevent ageing. Use on FIFO (First	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	0 L	0 L	
HYDROGEN CYANIDE (Merck)	Sigma-Aldrich (Merck)	23.10.2008	Acute Aquatic Hazard Category 1 1 Acute Toxicity	Danger	57	6.1	I	HYDROGEN CYANIDE, STABILISED	1051	Limited evidence suggests that repeated or long-term occupational exposure	Rotate all stock to prevent ageing. Use on FIFO (First	/ENTERPRISE/MANIFEST/Area/Building/Hazardous Storage	0 L	0 L	

### 3.4 Personal Protective Equipment (PPE) Data Points

The **Report Generator Advanced** tool **ADVANCED** provides users who have been granted access by the domain administrator with the ability to create/edit user dependent templates and use those user defined templates  to generate reports. Chemwatch has made upgrades to the way users receive PPE information generated from your newly created templates using this advanced report generator mode. Previously, PPE data points generated an image and a URL address as output via the Report Generator.

Images:

A	B	C	D	E	F
CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	GHS PPE GRAPHICS GOLD	ILO RECOMMENDED PPE
21-2846	Septone Methylated Spirits	Septone Methylated Spirits	ITW AAMTech		

URL for Graphics:

A	B	C	D	E	F
CHEMWATCH NUMBI	MATERIAL NAME	CATALOGUE NAME	VENDOR	GHS PPE GRAPHICS GOLD	ILO RECOMMENDED PPE
21-2846	Septone Methylated Spirits	Septone Methylated Spirits	ITW AAMTech	<a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGLV.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGLV.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSOVE.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSOVE.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSBTS.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSBTS.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSHR.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSHR.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGGL.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGGL.gif</a>	<a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGLV.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGLV.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSOVE.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSOVE.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSBTS.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSBTS.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSHR.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSHR.gif</a>   <a href="http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGGL.gif">http://jr.chemwatch.net/Resources/Images/PPE/GHS/GHSGGL.gif</a>

However, The URL address will be replaced for the PPE names, so you can view PPE information in a way that's easier to understand. There are no changes to the images generated - the PPE images will still appear as they always have.

CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	GHS PPE GRAPHICS GOLD	ILO RECOMMENDED PPE
21-2846	Septone Methylated Spirits	Septone Methylated Spirits	ITW AAMTech	Gloves   Overalls   Boots   Half-Face Respirator   Goggles	Boots   Face protection   Long Gloves

The advanced user defined templates must be created using specific datapoints available in the Method Builder directory folders. The Method Builder contains a filter function to look up for a specific datapoint from the directory. Once datapoints are identified, e.g., PPE, those datapoints can be selected to add them to your template to be able to generate the information input to the report.

## Report Generator

- Generate reports from existing basic templates
- Create advanced template(s) for specific data points
- Select a theme and format
- Exporting data by country/language in various formats



### Basic Reports

- Assets
- Containers
- Manifest DG report Gold
- Manifest DG report VGD
- Manifest volumes and locations Gold
- Manifest volumes and locations VGD
- Materials Gold
- Materials VGD
- Risk Assessment ILO
- Risk Assessment UN







### Advanced Reports can be related to;

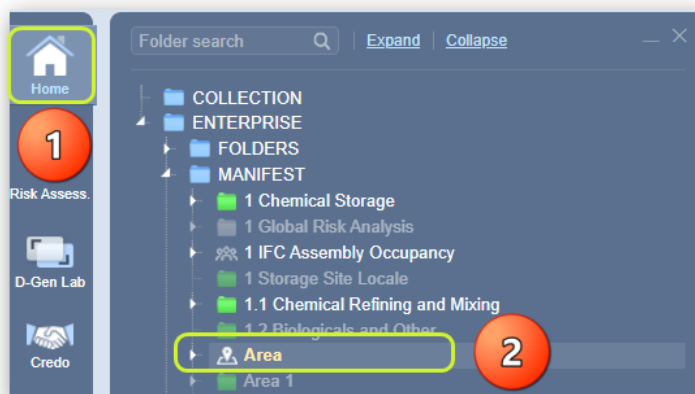
- Manifest Register Gold
- Manifest Register VGD
- Dangerous Goods and Hazchem Data
- GHS Manifest Data, PPE
- Folders and Locations
- Ingredients Data
- SARA Reporting
- IFC/NFPA Reporting
- Risk Assessment Reporting
- User Fields










The following steps show how to create a template  and export Manifest related data and graphics into a spreadsheet (XLS format).

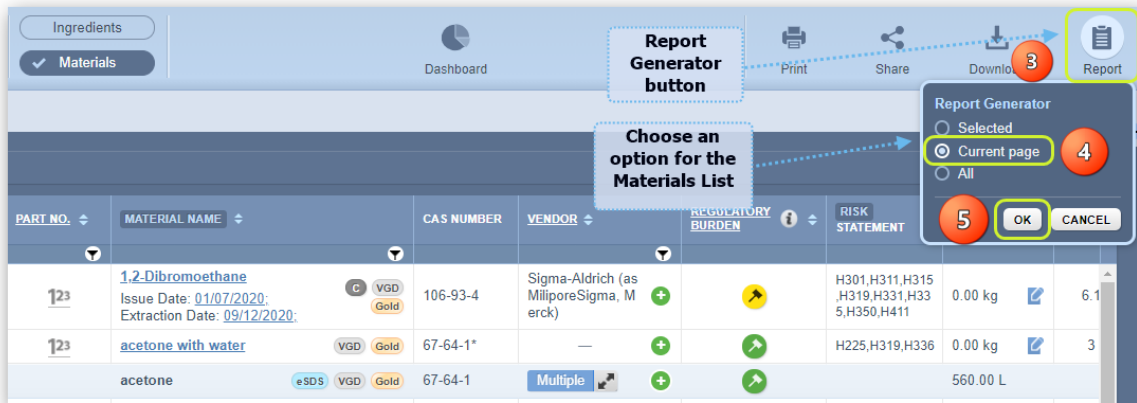
### Steps: Creating a User Defined Template and Export Data to Generate a Report



1. Open the **Home module**  (if it's not already the default module).
2. **Expand**  Manifest directory nodes to view the folder location, e.g., level 1 Area node.
3. Press  the **Folder name**. Take note that the Manifest list grid  defaults to Cat Name.

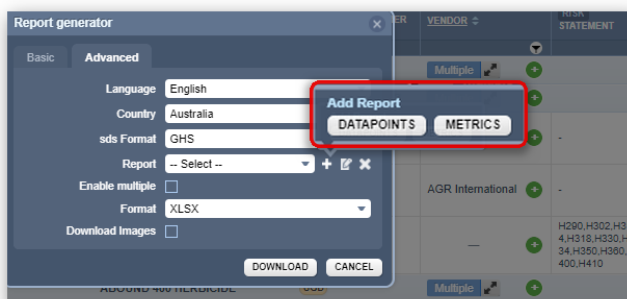
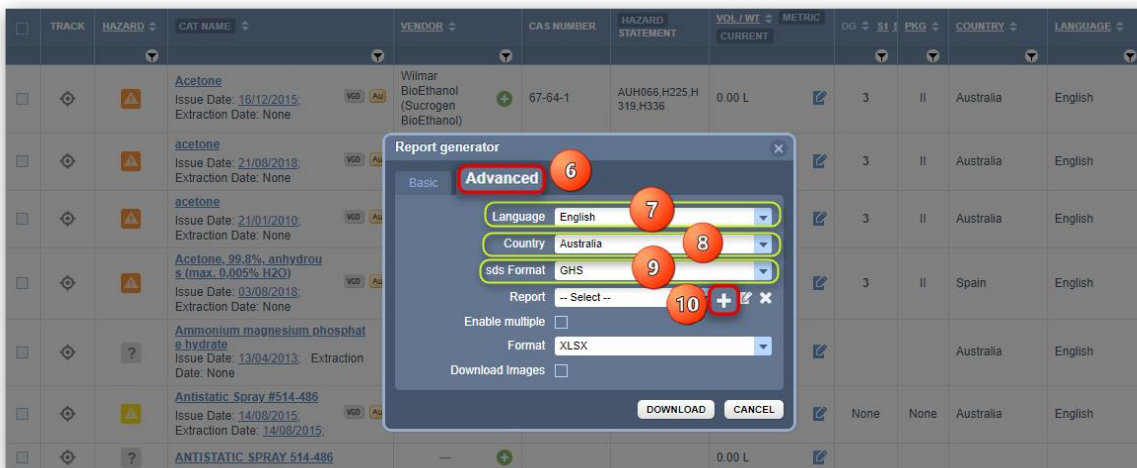


4. Click  the **Report Generator** button  at the top right corner of the user interface .
5. **Ignore the default selection** "Selected  " and click  the Current page radio button  option
6. Click  the OK button.






- Press the **Advanced** tab from the report generator panel.
- Select the **Country** from the drop-down arrow, e.g., Australia .
- Select the **Language** from the drop-down arrow, e.g., English.
- Select the **SDS format** as GHS from the drop-down arrow.
- Hover move pointer over the **Add +** icon to open the method builder window in order to add data points and then create a report template . Click the **Add Report Datapoints** button to open the method builder window and create a report template.



- Select the **expand arrow** next to the **Identification** folder directory to open the list of datapoints.





13. Click  the **data points checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Identification	Cat Name, SDS Country, Vendor details, Vendor Issue Date





Data Point	For Each Ingredient For Mixtures	For Ingredients Only	Trim Html tags	Values amount	Split by rows
Catalogue Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
SDS country VGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>

14. Scroll up to select  the **expand arrow** next to the **PPE** folder directory to open the list of datapoints.
15. Click  the **data point checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

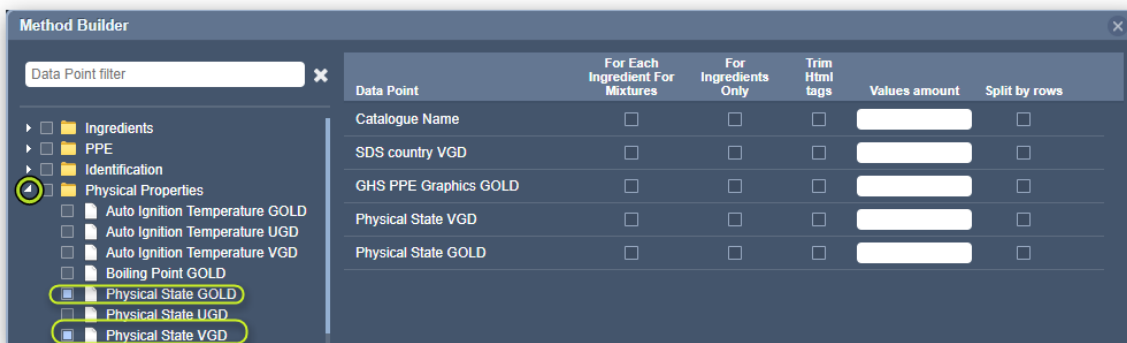
Directory	Method Builder Data Points
PPE	GHS PPE Graphics



Data Point	For Each Ingredient For Mixtures	For Ingredients Only	Trim Html tags	Values amount	Split by rows
Catalogue Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
SDS country VGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
GHS PPE Graphics GOLD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>

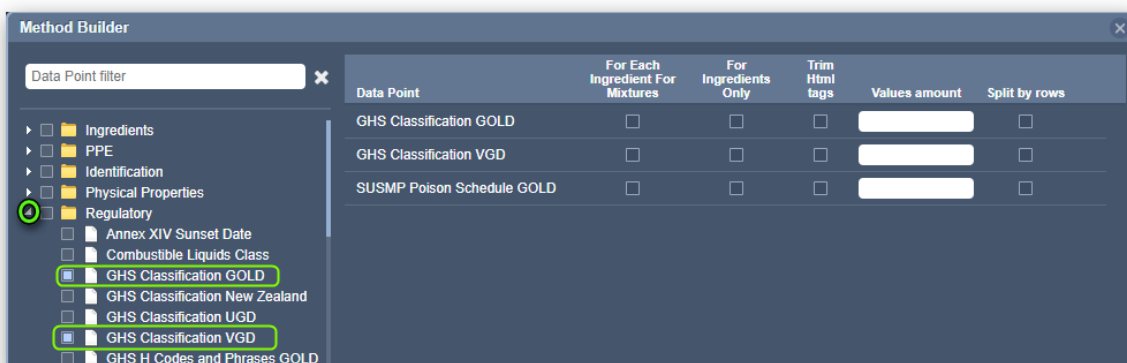
16. Scroll down to select  the **expand arrow** next to the **Physical Properties** folder directory to open the list of datapoints.
17. Click  the **data points checkboxes**  listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

Directory	Method Builder Data Points
Physical Properties	Physical Sate



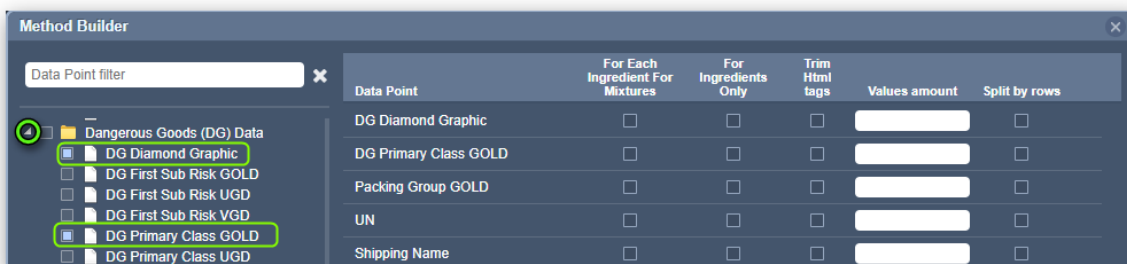
18. Scroll down to select the **expand arrow** next to the **Regulatory** folder directory to open the list of datapoints.
19. Click the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.



Directory	Method Builder Data Points
<a href="#">Regulatory</a>	GHS Classification, Signal Word, SUSMP



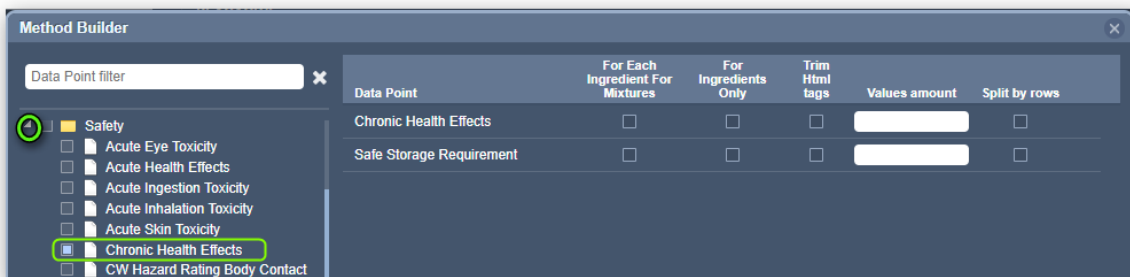
20. Scroll down to select the **expand arrow** next to the **PPE Data** folder directory to open the list of datapoints.
21. Click the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.



Directory	Method Builder Data Points
<a href="#">Dangerous Goods (DG) Data</a>	DG Primary Class, Packing Group, UN Number, Shipping Name, DG Diamond Graphic



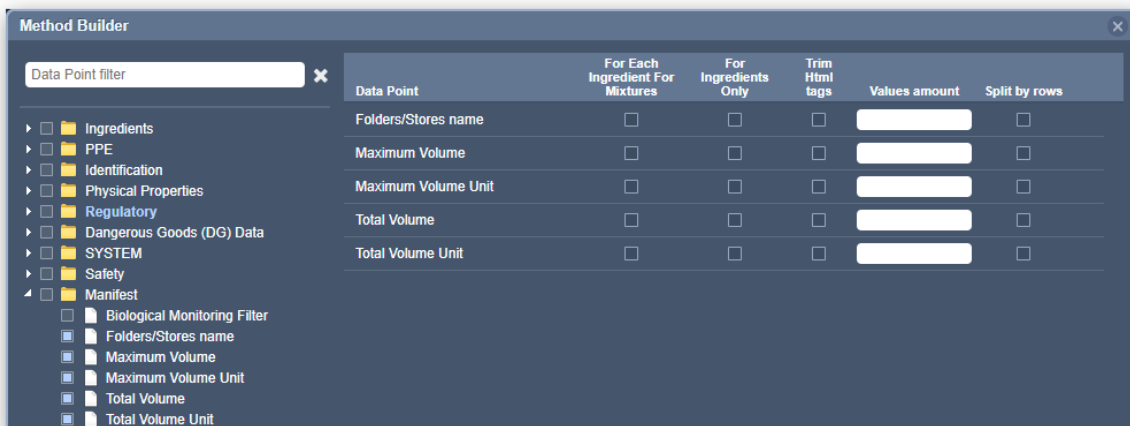
22. Scroll down to select  the **expand arrow** next to the **Safety** folder directory to open the list of datapoints.
23. Click  the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.





Directory	Method Builder Data Points
<b>Safety</b>	Health Effects, Safe Storage



24. Scroll down to select  the **expand arrow** next to the **Manifest** folder directory to open the list of datapoints.
25. Click  the **data points checkboxes** listed below. Note that the selected data points will be automatically listed on the right-hand side pane for further editing.

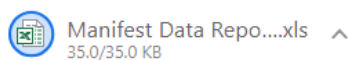
Directory	Method Builder Data Points
<b>Manifest</b>	Folders/Stores Name, Max Volume, Total Volume, Units



26. Type  the Report template  name in the Report Name free text field .
27. Press  the **Create Report** button.

28. Select  the “Enable multiple” checkbox .
29. Select  the Report units from the drop-down arrow, e.g., Original.
30. Select  the Format from the drop-down arrow, e.g., XLS.
31. Select  the Download images checkbox .
32. Press  the Download button.

33. Choose a “file location” from the desktop/laptop to save the report if your desktop is not set to automatically save downloads to the “Downloads Folder”.
34. Open the downloaded file “Manifest Data Report.xls”.



35. The report exports data into the respective report format, e.g., spreadsheet

### Manifest with GHS PPE Report

	A	B	C	D	E	F	G	H	I
1	<b>MATERIAL NAME</b>	<b>VENDOR</b>	<b>MAXIMUM</b>	<b>FOLDERS/STORES NAME</b>	<b>MAX</b>	<b>GHS PPE GRAPHICS GOLD</b>	<b>GHS CLASSIFICATION GOLD</b>	<b>DG DIAMOND GRAPH</b>	<b>GHS PICTOGRAM IMAGES GOLD</b>
2	1,1,1-trichloroethane	Sigma Aldrich (as Millipore)	0	/ENTERPRISE/MANIFEST/1 Store	L		Acute Toxicity (Inhalation) Category 4 Eye Irritation Category 2A Hazardous to the Ozone Layer Category 1		
3	acetic acid glacial	Fisher Scientific	0	/ENTERPRISE/MANIFEST/1 Store	L		Acute Toxicity (Dermal) Category 4 Flammable Liquid Category 3 Serious Eye Damage Category 1 Skin Corrosion/Irritation Category 1A		
4	acetic acid glacial	Sigma-Aldrich (Merck)	0	/ENTERPRISE/MANIFEST/1 Store	L		Acute Toxicity (Dermal) Category 4 Flammable Liquid Category 3 Serious Eye Damage Category 1 Skin Corrosion/Irritation Category 1A		

### ILO Recommended PPE Report

	A	B	C	D	E	F
1	<b>CHEMWATCH NUMBER</b>	<b>MATERIAL NAME</b>	<b>CATALOGUE NAME</b>	<b>VENDOR</b>	<b>GHS PPE GRAPHICS GOLD</b>	<b>ILO RECOMMENDED PPE</b>
2	21-2846	Septone Methylated Spirits	Septone Methylated Spirits	ITW AAMTech		
3						

## 4.0 Risk Assessment

This chapter will cover the following objectives:

- Risk assessment user interface features and toolbar
- How to access materials from folders
- How to activate the risk assessment for a material
- How to assign task
- How to set risk assessment parameters
- How to apply controls to minimize risks
- How to set personal protective equipment
- How to save a risk assessment
- How to approve a risk assessment
- How to generate a risk assessment job report
- How to print, share or download a risk assessment report



### Risk Assessment

- Perform health risk assessments based on ILO model
- Perform storage/transport risk assessments, UN
- Generate a risk assessment job report
- Generate a risk assessment report with approval

	EXTREME	HIGH	MOD	LOW	MIN	
SEVERITY	EXTREME	EXTREME +	EXTREME +	EXTREME	HIGH	HIGH
E	HIGH	EXTREME	EXTREME	EXTREME	MOD	MOD
R	MOD	EXTREME	HIGH	MOD	MOD	LOW
I	LOW	HIGH	MOD	LOW	LOW	MIN
T	MIN	LOW	LOW	LOW	MIN	MIN

#### Control Banding Approach

- Create inventory folders/manifest based on worker locations or storage/transportation
- Identify health hazards
- Prevent harm to health
- Provide appropriate control measures
- Ensure controls measures are in place
- Keep control measures in good working order
- Provide information, instructions and training
- Provide health surveillance/monitoring where applicable
- Plan for emergencies



#### Control Banding Methodology

- Uses six hazard groups (A to E and S) to determine the severity; Low, Moderate, High or Extreme
- Ability of the chemical (Solid -DUSTINESS, Liquid-VOLATILITY) to become airborne
- Determine the Scale of Use by quantity of chemical
- Address the Frequency of Use (ILO model is based on a 40hr work-week)
- Risk calculation based on Chemwatch default (ILO) Risk Matrix model or User Defined Risk Matrix; Low, Moderate, High, Extreme or Seek Specialist Advice
- Selection of Control Approach
- Generate Risk Assessment Report
- Create a Job Report based on tasks and locations



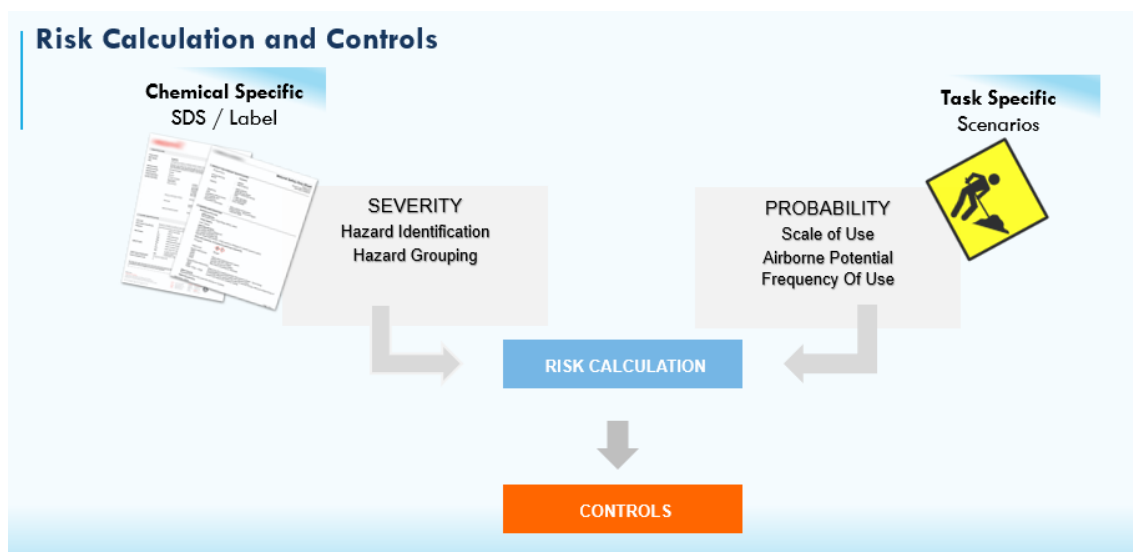
### Control Banding Risk Assessment

The Chemwatch Risk Assessment module uses the Control Banding methodology. Control Banding is an assessment method used to manage workplace risks by grouping chemicals according to similar physical and chemical characteristics, taking into account how the

chemical will be handled or used and what the anticipated exposure is and determine a set of controls to prevent harm to workers.

Generally, a risk assessment starts with hazard identification, hazard grouping and aims at determining appropriate ways to eliminate or control the risk. Factors that influence the degree of risk include:

- How much a person is exposed to a hazard?
- How the person is exposed, e.g., by inhalation, skin contact, ingestion, etc?
- How severe are the effects under specific conditions of exposure?



Hazard classification information is available from the Vendor SDS. A predefined hazard grouping method is used to assign a “**Band**” to the chemical by using risk assessment calculation rules based on the Control Banding methodology. Hazard classification serves as the basis of risk assessment where the hazard statement codes have been mapped directly to the control banding hazard groups. For example; any hazardous chemical that is vaporous and has a hazard statement H336; May cause drowsiness or dizziness, is categorized in Hazard Group A where the concentration range of the vapour is greater than 50 to 500ppm (part per million). The table below provides the hazard classification grouping as the basis of risk assessments. Chemwatch utilizes ILO risk assessment model for control banding methodology to identify hazards based on hazard groupings, taking into effect the risk assessment conditions and calculates the risk band for a hazard chemical to provide the appropriate controls to minimize risks.

## Severity

### Hazard Classification as the basis of Risk Assessment




Hazard Group	Type	Concentration range	Units	R-phrases	H-statements
A	Dust	>1 to 10	mg/m <sup>3</sup>	R36, R39 and all R-numbers not otherwise listed	H303, H304, H305, H313, H315, H316, H318, H319, H320, H333, H336 and all H-numbers not otherwise listed
	Vapour	>50 to 500	ppm		
B	Dust	>0.1 to 1	mg/m <sup>3</sup>	R20/21/22 and R68/20/21/22	H302, H312, H332, H371
	Vapour	>5 to 50	ppm		
C	Dust	>0.01 to 0.1	mg/m <sup>3</sup>	R23/24/25, R34, R35, R37, R39/23/24/25, R41, R43, R48/20/21/22, R68/23/24/25	H301, H311, H314, H317, H318, H331, H335, H370, H373
	Vapour	>0.5 to 5	ppm		
D	Dust	<0.01	mg/m <sup>3</sup>	R26/27/28, R39/26/27/28, R40, R48/23/24/25, R60, R61, R62, R63, R64	H300, H310, H330, H351, H360, H361, H362, H372
	Vapour	<0.5	ppm		
E	Dust	-	mg/m <sup>3</sup>	R42, R45, R46, R49, R68	H334, H340, H341, H350
	Vapour	-	ppm		

#### SDS Hazard Classification









### The Risk Assessment Settings

The Risk Assessment Settings  are the integral part of risk assessment calculations and starts with determining the calculation model during the set-up of the domain account. There are two model options in the risk assessment settings, one of which is set the application by default:

- Chemwatch ILO 5x5 matrix model
- User Defined matrix model (customizable)

### The Chemwatch ILO 5x5 Matrix Model

The Chemwatch model is the default risk assessment matrix. There are five risk levels (bands), each mapped to a specific colour coding and control type; and the risk assessment period is set to 5 years by default.

Level	Risk	Color	Icon Color	Control
0	None	Grey		Not Applicable
1	Low	Blue		None Required
2	Moderate	Yellow		General Ventilation
3	High	Orange		Local Exhaust/Fume Hood
4	Very High	Red		Containment
4+	Extreme	Crimson		Seek Specialist Advice

The risk matrix determines the likelihood, frequency of exposure and the consequence severity of the hazard.



RISK MATRIX				Consequence severity (Hazard)				
		Hours per month		Low 1 (A)	Minor 2 (B)	Moderate 3 (C)	Major 4 (D)	Critical 4+ (E)
LIKELIHOOD	Almost certain	>30	4	2	3	4	4	4+
	Likely	15-30	3	1	2	3	4	4+
	Possible	4-15	2	1	1	2	3	4
	Unlikely	0.5-4	1	0	1	2	2	3
	Rare	0.5 or less	0	0	0	1	2	3

**i** None hazardous chemicals pose no risk; hence, controls will not be applicable; and the band will default to a grey icon=0, **0**. If a Risk Matrix customization is required, contact your Chemwatch System domain Administrator for more details.

### Hazard versus Risk

A **hazard** is not the same as a **risk**. The difference between a hazard and a risk is that a hazard is any source of potential damage, harm or adverse health effects, whereas a risk is the chance or probability that a person will be harmed or experience adverse health effects if exposed to a hazard. Hazards can include objects in the workplace, such as machinery or dangerous chemicals whereas risk assessment starts with hazard identification and aims to determine the appropriate ways to eliminate and/or control the hazard. The risk assessment module will display the **hazard rating** and **risk rating (band)** for a chemical based on the hazard identification, hazard grouping and the default system risk assessment calculations as per the settings.








The screenshot displays the Chemwatch interface for risk assessments. A table lists chemicals with their hazard ratings and risk bands. A settings dialog box is open, showing various parameters for risk assessment calculations.



ILO	UN	VENDORS	NAME	STATUS	HAZARD RATING	RISK BAND
0	0	VENDOR	1,1,1-trichloroethane no task defined	Gold	2	1
		VENDOR	2,2',5,5'-tetrachlorobiphenyl-14C no task defined	Gold	4+	4+
		VENDOR	acetone-D6 no task defined	Gold	1	1


The settings dialog box includes the following options:

- Settings: Chemwatch default
- Volatility (liquid, gas): medium
- Dustiness (solid): powder
- Scale of use for liquids: millilitres
- Scale of use for solids: grams
- Frequency of use: weekly
- Frequency of use: 1-4hrs
- Operating Temperature: 20



## Risk Assessment Hazard Ratings

Rating	Hazard Calculation	Colour Code	Hazard Rating Icon
4+	Extreme	Crimson	
4	Very High	Red	
3	High	Orange	
2	Moderate	Yellow	
1	Low	Blue	
0	None	Grey	
?	Question Mark	Dark Grey	

 Generally, a none hazardous chemicals pose no risk (ILO tab); the hazard rating will default to grey icon=0; hence, controls are not applicable, and the risk band will default to a grey icon=0, . However, a non-hazardous chemical may be classified as a dangerous good and therefore, if such is the case; check the hazard rating and/or risk band in the UN tab.

Any chemical that is assigned a question mark icon  in the hazard rating column means that the chemical does not have a corresponding Chemwatch Gold SDS and therefore, there's no hazard or dangerous goods classification information available by default in the database. However, it is possible to risk assess such a chemical by using data extraction (DET). This topic will be covered in detail in the following sections.

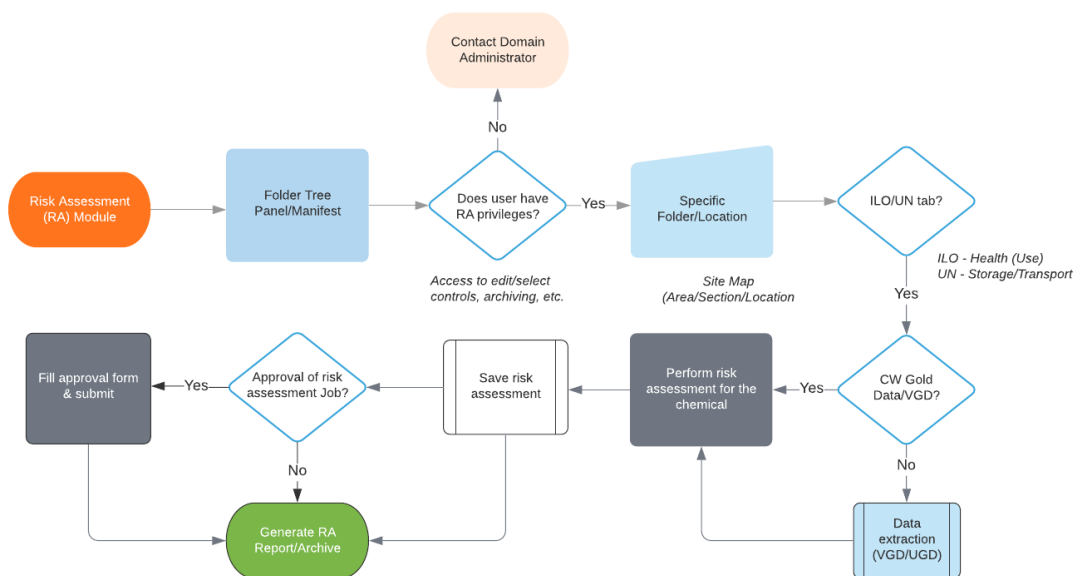
The Risk Assessment module provides two modes through which risk assessments can be performed based on the **Use (Health)** and/or **Storage (UN)** modes. Each mode is activated through the following tabs.

Tab	RA Mode	Description	What is the tab used for?
	Health	ILO has developed a Risk Assessment Model described as "Control Banding". It is based on the Model developed by the UK HSE known as CosshEssentials. Both Agencies adopt the GHS system for determining chemical hazards. National or Regional variants exist-CLP in Europe and China, HSIS in Australia.	This tab is used for performing risk assessments based on the use (health) of the chemical.
	Storage	The UN Dangerous Goods codes have been developed to regulate Storage of Dangerous Goods on Land. Similar systems have been adopted for Air (AITA) and Water (IMDG). Various countries/jurisdictions have local variants (e.g., ADG in Australia, DOT in the USA, ADR throughout Europe).	This tab is used to perform risk assessments for chemicals based on storage.

## How to Complete a Risk Assessment

A risk assessment for a chemical can be completed in 30 seconds. Once the risk assessment is completed, the activities may also extend to generating a risk assessment report, a job report, and control approach sheets. The main activities involved in risk assessing a chemical are illustrated in the flow chart below.

The Risk Assessment Process Flowchart








**i** Details about creating Folders or Manifest Stores can be found in [Section 2.2.3](#) of this guide. Adding materials or product SDS into Folders/Manifest stores is discussed in [Section 2.2.5](#) of this guide.

## Risk Assessment Status





The following statuses are used to track a risk assessment for materials located in any folder.


Status of Risk Assessment	Icon	Description
Assessment Required		Any material in any folder is assigned this default status. When a new material is added into a folder, the "Assessment Required" status is assigned. Copying a material that has already been risk assessed from the source folder into the same folder or another will also render this status.
Assessment Complete		When a material with known hazards (classification by CW available) has been risk assessed, will render the risk assessment complete.
Review Required		When the period set for the assessment (maximum ≤ 5years) elapses, the status of the assessment will automatically change from

Status of Risk Assessment	Icon	Description
		"Assessment Complete" to "Review Required".
Assessment Incomplete		When an assessment has not been completed for any reason or the process was not finalised, and the assessment was not saved, the risk assessment status will be rendered the status "Assessment Incomplete". Hence, it is imperatively important to finalise a risk assessment to complete status where necessary.
Assessment Not Required		A risk assessment for a material can be assigned this status if the material does not require an assessment at all. This type of risk assessment status can be applicable to materials with hazard rating and risk band rating = 0. It can also be assigned to materials classified as DGC7 and 9 as these classes are not covered in the Risk Assessment criteria.

 None hazardous chemicals pose no risk and hence by default, the hazard rating and risk band=0. Any assessment date ; the default 5 years or custom date, will be shown in the risk assessment report.

## Performing a Risk Assessment and User Attributes

Permission	Description	User Interface Attribute	Risk Assess
<b>Read</b> 	User can view folder register of materials but cannot edit risk assessments unless granted permission	Directories/folder content can be accessed by user but cannot add or copy or move or remove (delete) folders or risk assess chemicals	 View only
<b>Read-write</b> 	User can risk assess chemicals, copy, move, remove (delete) chemicals and generate reports	Directories/folder content can be accessed by user with read-write permission, edit or perform risk assessments on chemicals and generate full report and create and approve jobs	 View and Edit

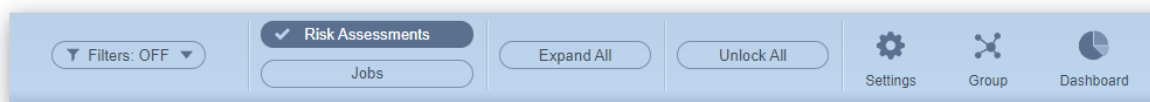
 If a user does not have the applicable risk assessment permissions/privileges, contact your Chemwatch System Administrator for more information.

The next sub-topics cover the steps on how to perform risk assessments and generate risk assessment reports.

## 4.1 Perform a Health Risk Assessment

The Risk Assessment Toolbar can be used for a variety of actions as it contains specific features such as:

- Generating dashboard related risk assessment statistical data by age, date, etc.
- Filtering by health surveillance, biological monitoring, pending data extraction, tags.
- Expand all risk assessment chemical rows within the grid
- Unlock all chemical risk assessments within this the grid
- Apply risk assessment settings other than the default settings
- Group risk assessment chemicals by folder locations
- Generate risk assessment data by using the Report Generator datapoints



Component	Risk Assessment Toolbar Feature Description
-----------	---

<b>Settings</b>	Access to default risk assessment parameters for a laboratory environment, industrial or commercial or define your own set of risk assessment values to use across any current list of chemicals in a folder. These risk assessment parameters are; volatility, dustiness, scale of use for liquids/solids, frequency of use and operating temperature.
-----------------	---



<b>Expand All</b>	Selecting this button from the toolbar will expand each row within the grid to show more optional user interface components to use, such as, lock icon, task button, copy button, mini SDS button, volatility lock icon, controls switch (on/off) and control approach documents button.
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## Component Risk Assessment Toolbar Feature Description

VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIAL
	1,1,1-trichloroethane no task defined		2	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	1	AIR OFF WATER OFF LAND OFF	REPORT Red Tag NZ Regs CTRLDOCS

### Unlock All



Unlocks all the risk assessments in the current chemical list grid view in order to risk assess the chemicals. Once the pad lock icons are open from within the grid's line items and the chemicals' risk assessment parameters are set, the pad lock can be locked to either save all the assessed chemicals or reset through the save dialog message.

VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	
	acetone no task defined		2	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	1	AIR OFF WATER OFF LAND OFF	REPORT CTRLDOCS
	Imaje A17787, A17788, A17789, A17790 no task defined		0	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	0	AIR OFF WATER OFF LAND OFF	REPORT CTRLDOCS

### Group



Identify the chemicals locations/folders by grouping them. Each identical chemical name that is in multiple folders will be grouped into a single record and all folder locations will be displayed in expanded mode of each line item.

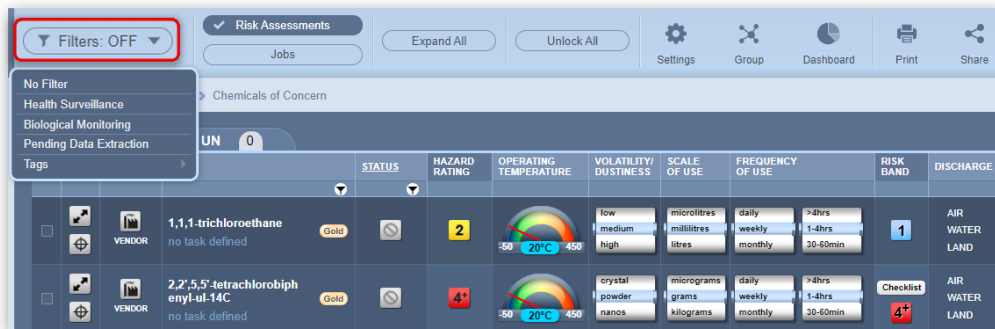
VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	
Chemical Name: acetone											
Folder Name: General Storage											
	acetone no task defined		2	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	1	AIR OFF WATER OFF LAND OFF	REPORT
Folder Name: Hazards Storage											
	acetone Mixing		2	20°C	low medium high	millilitres litres tonnes	daily weekly	Unknown >4hrs 1-4hrs	1	AIR OFF WATER OFF LAND OFF	REPORT
Folder Name: Oils and Lubricants											
Chemical Name: Ammonium magnesium phosphate hydrate											

### Hazards Filter



Filter a risk assessment chemical list by health surveillance, biological monitoring, pending data extraction and/or tags.

Note that tags are a user defined parameter and an optional feature. If tags do not show in the list of filter options, contact your Chemwatch System Administrator for more details.







### Jobs



Chemicals used in an organisation can be grouped into folders representing locations and jobs. A job is defined as a series of tasks and always defined by the organisation. Risks associated with a job may not necessarily be the same as the risks associated with the task. This Jobs feature provides a grouping of chemicals by job name, the number of tasks performed. The task with the worst possible outcome defines the overall job rating.

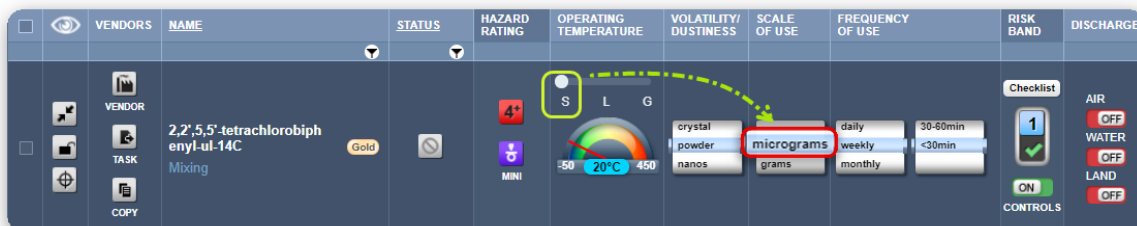
### Dashboard



Generate risk assessment information through widgets. The information will be displayed as statistical data using graphs , pie charts  and tables . These widgets include; the statistics of age of risk assessments, risk assessments by date , statistics of ILO, UN hazard and risk ratings, status and risk matrix.

### Change of Word “Micrograms to Milligrams in Risk Assessment Parameters

The word “Micrograms” when dealing with solids in the Risk Assessment module has been changed to “**Milligrams**”. Any materials set to “micrograms” previously will be set to “milligrams” automatically.



Note that this update will not change the calculation logic in any way and is simply a name change to be more consistent with our scale of use for liquids. The logic behind the risk assessment already catered for both milligrams and micrograms scale of use units as being within the same scale of use category, so these changes will not affect your risk calculations for your existing risk assessments.

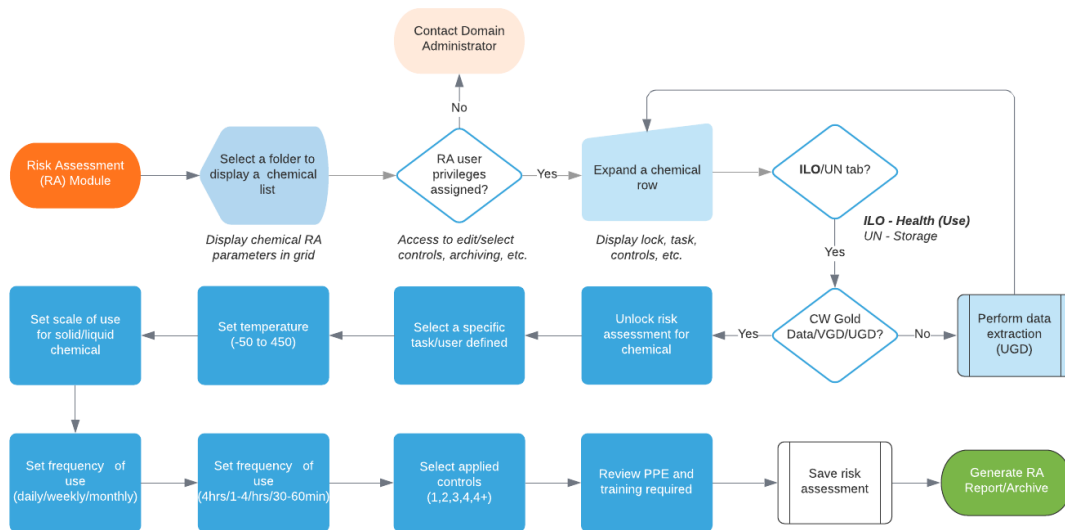
VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS
VENDOR TASK COPY	Asc-500 Esomeprazole sodium Mixing	UGD	3	20°C	crystal powder nanos	milligrams grams	daily weekly monthly	2	AIR OFF WATER OFF LAND OFF	REPORT CTRLDOCS
VENDOR	BATTERY ACID Mixing	VGD	3	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	1	AIR WATER LAND	REPORT

**i** Take note that the **ILO** tab is the active risk assessment mode for this illustration and the chemical assessed has both Chemwatch Classification (Gold Data) and VGD (Vendor Gold Data) data.

### The Risk Assessment Process Action Points

Chemicals in the Risk Assessment module are automatically calculated based on the hazard classification criteria. The flow chart below illustrates the risk assessment process in detail.

#### Health Risk Assessment Process Flowchart






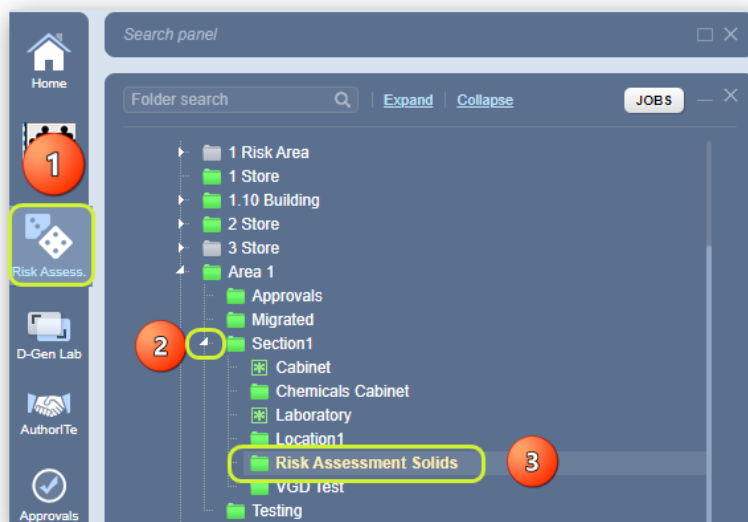
**i** The ILO tab **ILO** is the active risk assessment mode by default. The number on the ILO tab shows active risk assessments that have been processed, e.g., **ILO 1**.





The following steps show how to perform a health risk assessment for a chemical with physical state; **Solid**.

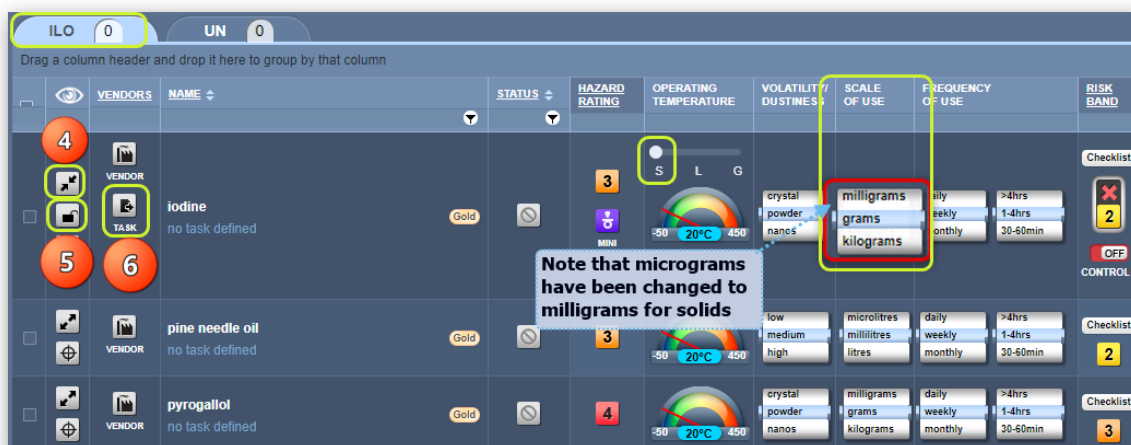




**Steps:** Performing a Health Risk Assessment for a Chemical with Physical State; Solid

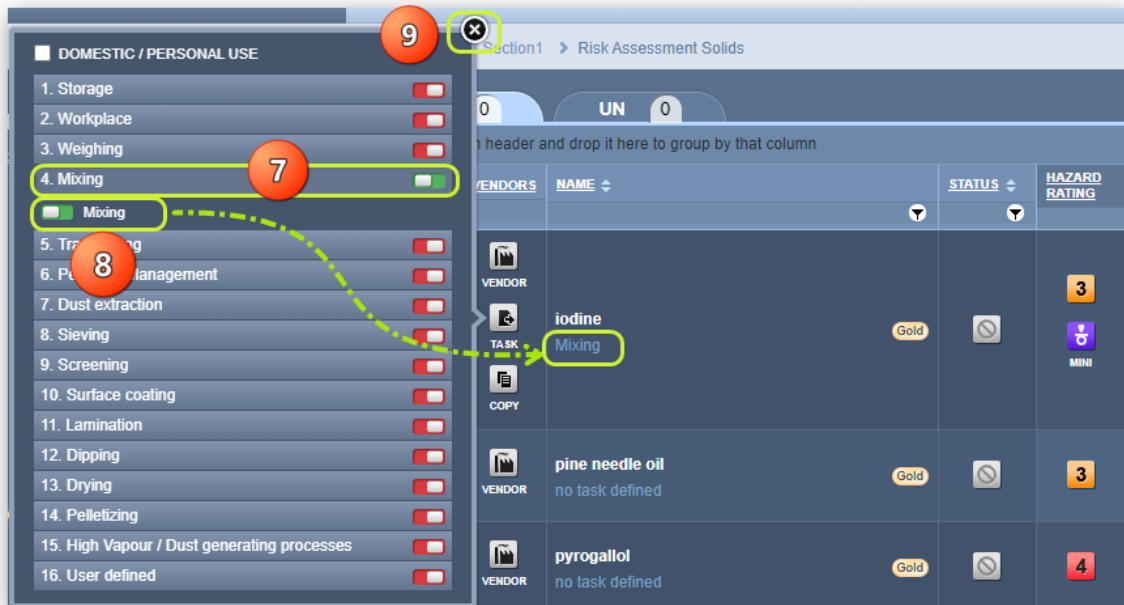
1. Select  the Risk Assessment module button
2. **Expand**  the Manifest directory nodes to view the folder location, e.g., level 3 Storage node; where the chemicals are located.
3. Press  the **Folder name**. Take note that the risk assessment grid will show the list of chemical names and the default risk assessment parameters.



4. Click  the **Expand** button alongside the chemical name, e.g., acetone, to open hidden components in the expanded row.
5. Click  the Locked **padlock** button to unlock  the risk assessment for the chemical.
6. Click  the **Task** button to open the task menu.



7. Press  the **Task** category red switch, e.g., Mixing
8. Select  a **Task Name** green switch e.g., Mixing



- Click the **Close** button from the task window
- Drag the **temperature gauge** to a specific value marker or click on the temperature text field and type the value . Note that by default the temperature is set to 20°C, which is changed to 25°C in this exercise. The default risk assessment parameters for the chemical (Solid) are shown below. In the operating temperature column, the physical state of the chemical is also provided by default.

VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND
VENDOR	iodine TASK: Mixing	Gold	3	S L G	crystal powder nanos	milligrams grams	daily weekly monthly	2
VENDOR	pine needle oil no task defined	Gold	3		low medium high	microlitres millilitres litres	daily weekly monthly	2
VENDOR	pyrogallol no task defined	Gold	4		crystal powder nanos	milligrams grams kilograms	daily weekly monthly	3

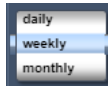
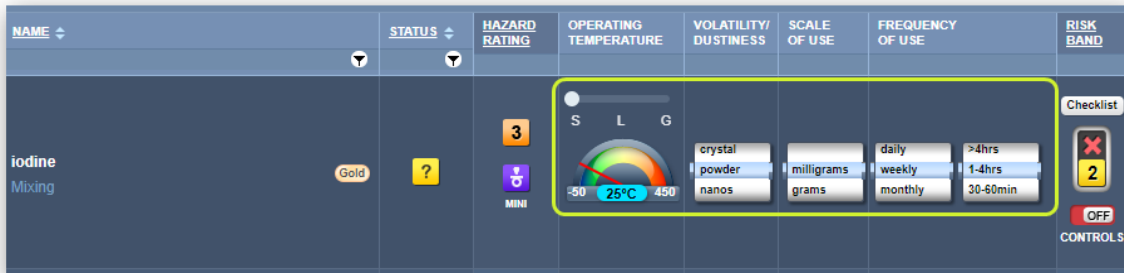
These default settings are based on the risk assessment laboratory settings .

Parameter	Default Value/Measure
Operating temperature	20°C
Volatility (Liquid/Gas)/Dustiness (Solid)	Crystal/powder/nanos
Scale of Use	Milligrams/grams/kilograms
Frequency of Use	Daily/weekly/monthly
Frequency of Use	>4hrs/1-4hrs/30-60min



11. Roll the **Scale of Use** barrel to set the appropriate unit measure; e.g., milligrams

Parameter	Risk Band
Scale of use set to milligrams by default	Default risk band=2 for the chemical



12. Roll the next **Frequency of Use** barrel to set the period of exposure; daily/weekly/monthly.

Parameter	Risk Band
Frequency of use set to weekly	Risk band=2

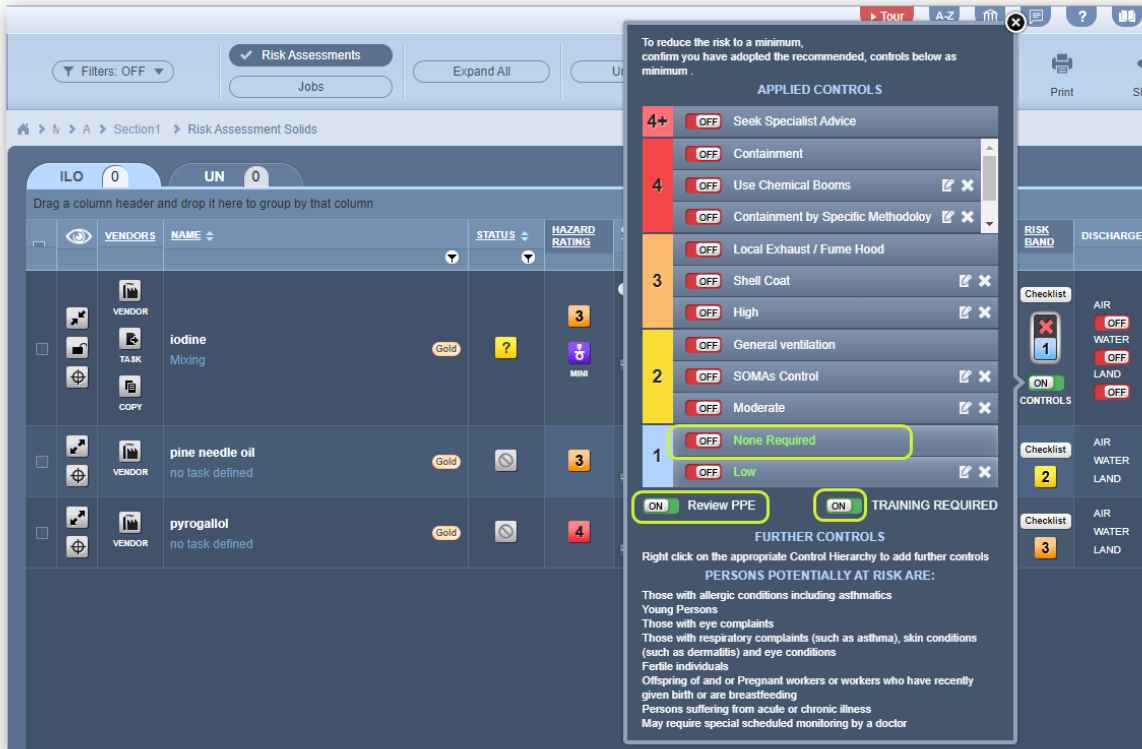
13. Roll the next **Frequency of Use** barrel to set the timeframe of exposure; 30-60min.

Parameter	Risk Band
Frequency of use set to 1-4hrs	Risk band=2
Frequency of use when set to 30-60min	Changes to a lower band =1 for this chemical





14. Click the **Controls** button to open the applied controls window for Risk Band 1.





15. Select the recommended **Applied Control** for the minimum risk, e.g., **Non-Required** for Risk band 1.


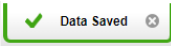












16. Select  the **Review PPE** button to open the recommended PPEs.



Parameter	Recommended PPE
Small green square 	The PPE with a small square on the right-hand side depicts a Chemwatch recommended PPE. Some recommended PPE may be switched on <b>ON</b> .
Default button 	The default button will show all the Chemwatch recommended PPEs switched on. Use this button if intending to apply all the recommended PPEs.

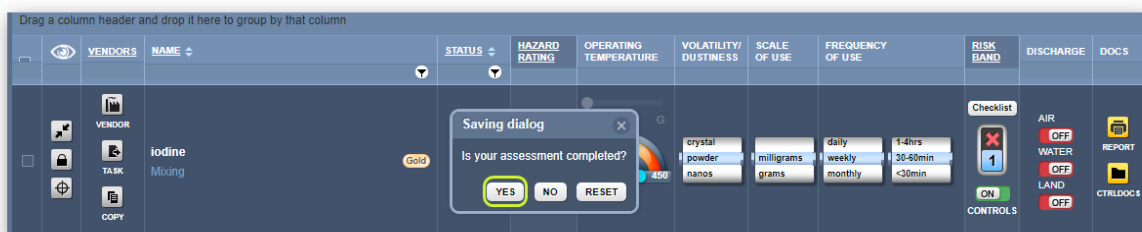
- Press  to turn on  the respective PPE, e.g., half-respirator .
- Click  the **Submit** button from the PPE window.




 A confirmation message for data saved  is displayed at the top middle area of the user interface. Note that the Review PPE button is switched on .



- Click  the **Close** button  from the PPE window.
- Press  the **Training Required** switch on  if applicable and once this button is on, training required will be shown in the final risk assessment report.
- Click  the **Close** button  from the Applied Controls window.
- Click  the **Unlocked** padlock button  to save and lock  the risk assessment for the chemical.

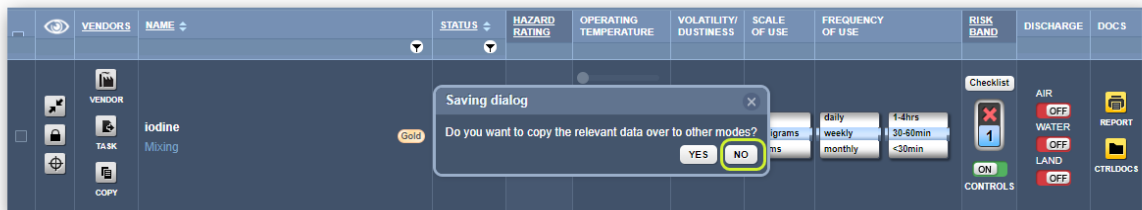


- Press  the **YES** button  from the saving dialog to confirm action.





 Note selecting the "NO" button  will retain the active risk assessment, however, selecting the "Reset" button  will retain the risk assessment to its default parameters.



24. Press  the **NO** button  from the saving dialog to confirm saving the risk assessment parameters for the chemical not to be copied into the dangerous goods UN mode.





A confirmation message for risk assessment saved successfully will be displayed in the top middle area of the user interface.



 **Risk Assessment data successfully saved.** 

Take that the risk assessment status changes from Assessment Required  to Assessment Complete .

25. Press  the **Report** button  from the DOCS column on the far right to render the Risk Assessment Report for the chemical (solid).



## The Risk Assessment Report

The report contains the following sections:

- Chemical Name, **Physical State** and Risk Assessment Properties
- Ingredients, composition and OEL (Occupational Exposure Limits)
- Chemwatch Hazard Ratings (Flammability, Toxicity, Body Contact, Reactivity, Chronic)
- Hazard Statements
- Persons Potentially at Risk (statements)
- Personal Protective Equipment (PPE) graphical information
- Emergency graphical information
- Health hazards graphical information
- GHS pictograms and DG diamonds
- Precautionary Statements (Prevention & Response)
- Approval information and sign-off for Jobs

Location: Compatibility RISK ASSESSMENT FOR: Mixing / JOB NAME:

### HEALTH RISK ASSESSMENT REPORT

**IODINE** *Divided Solid*

**THE HAZARD 3 High**    **THE RISK 1 Low**

**Controls Adopted**  
**Control:** None Required, Local Exhaust / Fume Hood Training required    **Respiratory Protection Factor: 20**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
iodine	7553-56-2	>=99	0.01 ppm	0.1 ppm

**ChemWatch Hazard Ratings**

	Min	Max
Flammability	0	
Toxicity	2	
Body Contact	3	
Reactivity	2	
Chronic	0	

0 = Minimum  
1 = Low  
2 = Moderate  
3 = High  
4 = Extreme

*Respirator is always a last resort!*

**PERSONAL PROTECTIVE EQUIPMENT**

Training required
 Overalls
 Gloves
 Face protection
 Boots
 Half-Face Respirator
 Local Ventilation
 Water

**HEALTH HAZARDS**

Harmful: Inhalation
 Harmful: Skin
 Burns
 Serious Eye damage
 Very toxic: Aquatic

**FIRST AID**

Rest
 Eye wash
 Wash body

**Hazard statement(s):**

- Harmful if inhaled.
- Causes severe skin burns and eye damage.
- Harmful in contact with skin.
- Very toxic to aquatic life.
- May be corrosive to metals.

**Persons Potentially At Risk are:**

- Persons suffering from acute or chronic illness
- Those with allergic conditions including asthmatics
- Offspring of and or Pregnant workers or workers who have recently given birth or are breastfeeding
- Young Persons
- Fertile individuals
- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye

**Precautionary statement(s): Prevention**

- Do not breathe dust/fume.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye

**Precautionary statement(s): Response**

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Remove/Take off immediately all

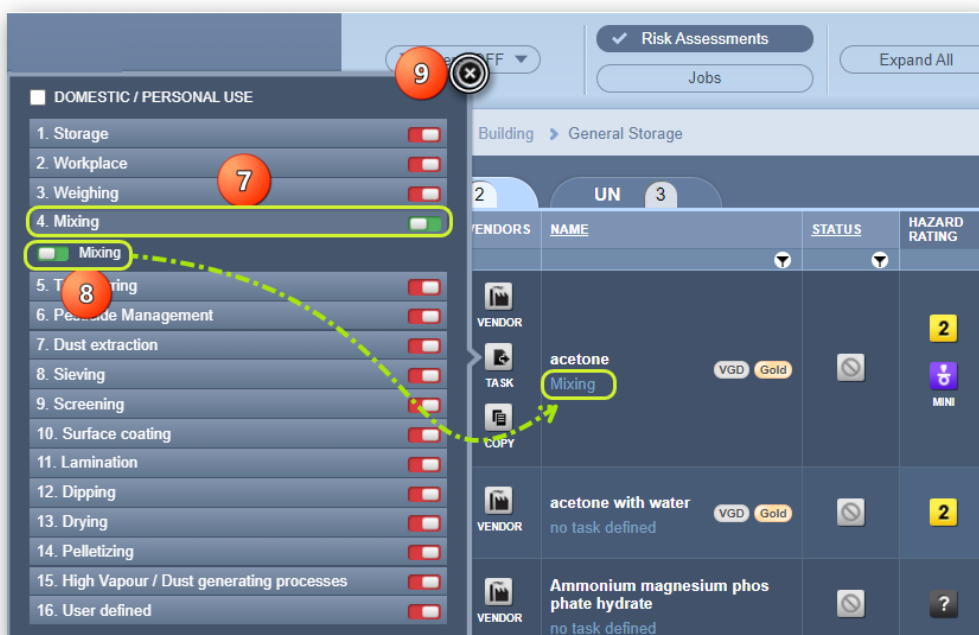
The following steps illustrate the sequence with screen capture on ‘how to perform a risk assessment for a chemical based on “Use (ILO)”’. In this worked example, the risk assessment will be carried out from the Location (level 3) folder

**Steps: Perform a Risk Assessment for a Chemical using ILO mode**

1. Select the Risk Assessment module button
2. **Expand** the Manifest directory nodes to view the folder location, e.g., level 3 Storage node; where the chemicals are located.
3. Press the **Folder name**. Take note that the risk assessment grid will show the list of chemical names and the default risk assessment parameters.
4. Click the **Expand** button alongside the chemical name, e.g., acetone, to open hidden components in the expanded row.
5. Click the **Locked padlock** button to unlock the risk assessment for the chemical.
6. Click the **Task** button to open the task menu.

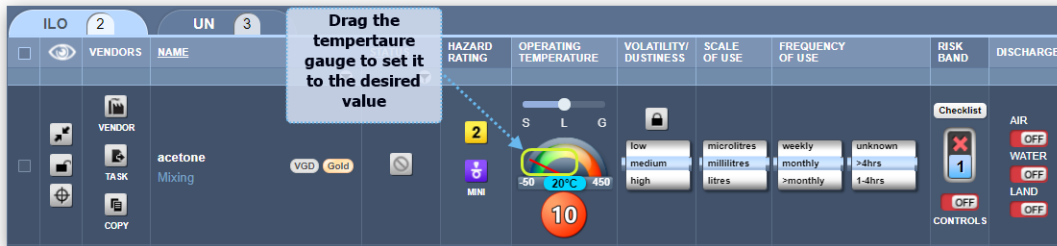


7. Press the **Task** category red switch, e.g., Mixing
8. Select a **Task Name** green switch, e.g., Mixing



9. Click the **Close** button from the task window
10. Drag the temperature gauge to a specific value marker or click on the temperature text field and type the value . Note that by default the temperature is set to 20°C. The default risk assessment parameters for the chemical (liquid) are shown below. In the operating temperature column, the physical state of the chemical is also provided by default.





These settings are based on the risk assessment laboratory settings (shown in bold below).

Parameter	Default Value/Measure
Operating temperature	20°C
Volatility (Liquid/Gas)/Dustiness (Solid)	Low/ <b>Medium</b> /High
Scale of Use	Microlitres/ <b>millilitres</b> /litres
Frequency of Use	Daily/ <b>weekly</b> /monthly
Frequency of Use	>4hrs/ <b>1-4hrs</b> /30-60min

11. Roll the **scale of use** barrel to set the appropriate unit measure; microlitres/millilitres/litres, e.g., measure set to litres affects the risk band, which changes from 1 to 2

Parameter	Risk Band
Scale of use set to millilitres by default	Default risk band=1
Scale of use when set to litres	Changes to a higher band =2 for this chemical



12. Roll the next **frequency of use** barrel to set the period of exposure; daily/**weekly**/monthly.

Parameter	Risk Band
Frequency of use set to weekly	Risk band=3
Frequency of use when set to daily	Retained risk band =3 for the chemical

- Roll the next **frequency of use** barrel to set the timeframe of exposure; >4hrs/1-4hrs/30-60min.

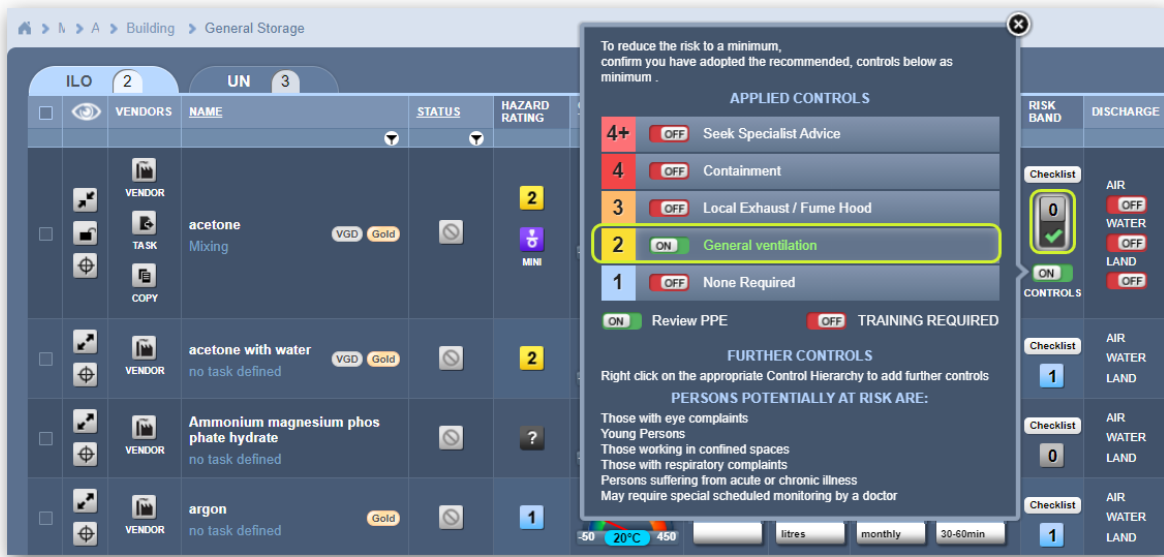
Parameter	Risk Band
Frequency of use set to >4hrs	Risk band=3
Frequency of use when set to 30-60min	Changes to a lower band =1 for this chemical

Rolling the frequency of use barrel to 1-4hrs results in Risk Band 2 as shown below.

- Click the **Controls** button to open the applied controls window for Risk Band 2
- Select the recommended **Applied Control** to reduce the risk to a minimum, e.g., **General Ventilation** for Risk band 2 and None Required for Risk Band 1.





Parameter	Applied Control
Risk rating (band) = 2	General ventilation
Applied control switch turned on, rating=2	Changes to a lower band =0 for this chemical







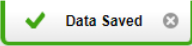
16. Select  the Review PPE to open the recommended PPEs



Parameter	Recommended PPE
Small green square 	The PPE with a small square on the right-hand side depicts a Chemwatch recommended PPE. Some recommended PPE may be switched on <b>ON</b> .
Default button 	The default button will show all the Chemwatch recommended PPEs switched on. Use this button if intending to apply all the recommended PPEs.



- Press  to turn on **ON** the respective PPE, e.g., half-respirator .
- Click  the **Submit** button from the PPE window.

 A confirmation message for data saved  is displayed at the top middle area of the user interface. Note that the Review PPE button is switched on **ON**.

19. Click the **Close** button from the PPE window.
20. Press the **Training Required** switch on if applicable and once this button is on, training required will be shown in the final risk assessment report.
21. Click the **Close** button from the Applied Controls window.

The screenshot shows the 'Applied Controls' dialog box in the Chemwatch interface. The dialog lists several controls with their status: '4+ OFF Seek Specialist Advice', '4 OFF Containment', '3 OFF Local Exhaust / Fume Hood', '2 ON General ventilation', and '1 OFF None Required'. The 'Training Required' control is highlighted with a green box and a red circle containing the number 20. A red circle with the number 21 is also present near the close button of the dialog. The background shows a table of chemicals with columns for Vendors, Name, Status, Hazard Rating, and Risk Band.



22. Click the **Unlocked** button to save and lock the risk assessment for the chemical.

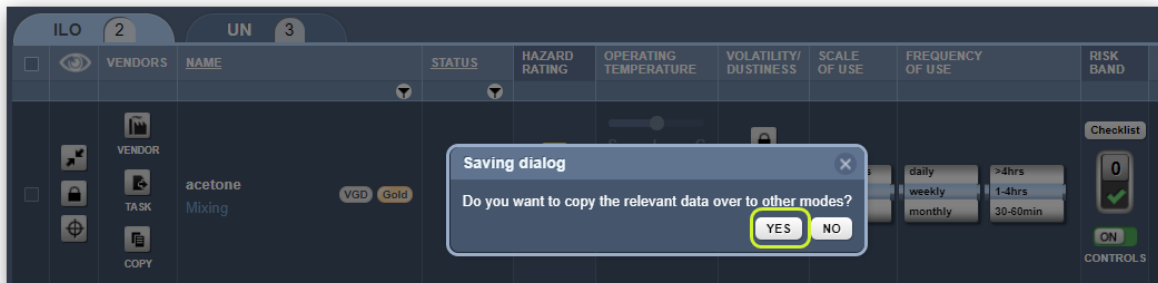
The screenshot shows the 'Unlocked' button highlighted with a red circle containing the number 22. The interface displays various parameters for the chemical 'acetone', including Hazard Rating, Operating Temperature, Volatility/Dustiness, Scale of Use, and Frequency of Use.


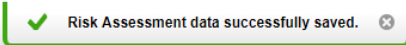


23. Press the **YES** button from the saving dialog to confirm action.

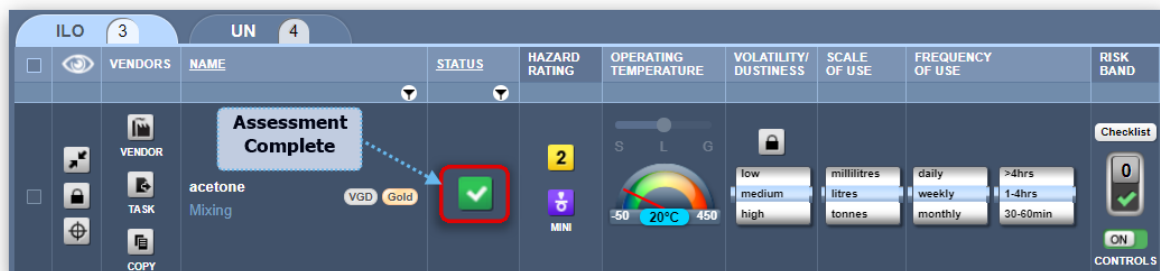
The screenshot shows a 'Saving dialog' box with the question 'Is your assessment completed?' and three buttons: YES, NO, and RESET. The YES button is highlighted with a yellow box.



Note selecting the "NO" button will retain the active risk assessment; however, selecting the "Reset" button will retain the risk assessment to its default parameters.

24. Press  the **YES** button  from the saving dialog to confirm saving the risk assessment parameters for the chemical to be copied into the dangerous goods UN mode in case a storage risk assessment will be carried out.










-  A confirmation message for risk assessment saved successfully will be displayed in the top middle area of the user interface . Take that the risk assessment status changes from Assessment Required  to Assessment Complete .



25. Press  the **Report** button  from the **DOCS** column on the far right to render the risk assessment report.

### The Health Risk Assessment Report

The Risk Assessment Report is generally a one-page document with the header of the document showing the risk assessment risk band colour coding, in this case, grey, Risk Band=0.

Rating	Hazard Calculation	Colour Code	Hazard Rating Icon
4+	Extreme	Crimson	
4	Very High	Red	
3	High	Orange	
2	Moderate	Yellow	
1	Low	Blue	
0	None	Grey	
?	Question Mark	Dark Grey	

This summary report contains the following information for the risk assessed chemical. The report contains the following sections.

RA Report Section	Description
Chemical name and risk assessment properties	This section of the report captures the physical state of the chemical, the hazard rating, the risk rating, controls adopted and the respiratory factor.
Ingredients	This section contains the ingredient(s), CAS number(s), percentage composition of each ingredient and the respective occupational exposure limits.
Chemwatch Hazard Ratings	Chemwatch hazard rating are provided by default if the chemical has classification data based on Gold data/VGD/UGD. These rating range from 0 to 4+. A question mark is assigned to chemicals without Gold data/VGD/UGD.
Hazard Statements	Hazard statements are collated based on GHS hazard classification.
Persons Potentially at Risk	Persons at risk identifies potential demographics or people with medical conditions that may be at particular risk from a particular hazard. When a chemical meets multiple criterion; based on hazard codes/category, these will be listed in the controls window and also generated in final report.
Personal Protective Equipment	The section provides the selected/recommended PPEs as per the risk calculation.
Emergency	This section provides graphics for the applicable emergency requirements.
Health Hazards	This section displays the health hazards graphics.
First Aid	First aid graphics present information required for follow up action in case of emergency such as rest, eye wash, wash body, etc.
GHS Pictograms and DG Diamonds	GHS classification hazard pictograms display shows that the chemical is classified as hazardous. Dangerous goods diamonds display show that the substance is classified as a dangerous good. Note that DGC 9 is not applicable in the control banding risk assessment model.
Precautionary Statements (Prevention)	Prevention phrase that describes measures that should be taken to minimise or prevent adverse effects of a chemical assigned to a hazard class and

RA Report Section	Description
Precautionary Statements (Response)	category, where each precautionary statement is designated a precautionary code that begins with the letter P and followed by 3 digits.  Response phrase that describes measures that should be taken to minimise or prevent adverse effects of a chemical assigned to a hazard class and category, where each precautionary statement is designated a precautionary code that begins with the letter P and followed by 3 digits.
Approval Form Fields (Job)	This section's inserts are dependent on filling up the Approval Form fields when a risk assessment is required to be signed-off by the assessor and supervisor and also generate a Job Report as part of the main Risk Assessment Report.



**HEALTH RISK ASSESSMENT REPORT**

**ACETONE Liquid**

**THE HAZARD 2 Moderate**

**THE RISK 0 Minimum**

**Controls Adopted**

**Control: General ventilation Training required**

**Respiratory Protection Factor: 10**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
acetone	67-64-1	95-99.5	590 mg/m3	500 ppm

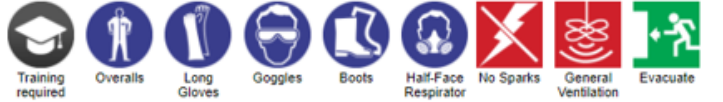
*Respirator is always a last resort!*

**ChemWatch Hazard Ratings**

	Min	Max
Flammability	3	
Toxicity	1	
Body Contact	2	
Reactivity	1	
Chronic	0	

0 = Minimum  
1 = Low  
2 = Moderate  
3 = High  
4 = Extreme

**PERSONAL PROTECTIVE EQUIPMENT**



**HEALTH HAZARDS**



**FIRST AID**



**Hazard statement(s):**

Highly flammable liquid and vapour.

May cause drowsiness or dizziness.

Causes serious eye irritation.

**Persons Potentially At Risk are:**

- Those with eye complaints Young Persons Those working in confined spaces Those with respiratory complaints Persons suffering from acute or chronic illness May require special scheduled monitoring by a doctor



Flammable Harmful/Irritant

**Precautionary statement(s): Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use only outdoors or in a well-ventilated area.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement(s): Response**

In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER or doctor/physician if you feel unwell.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

OPERATING TEMPERATURE:	VOLATILITY/DUSTINESS:	SCALE OF USE:	FREQUENCY OF USE:
20 C°	medium	litres	weekly, 1-4hrs
Code:	Assessed By	Approved By	OPERATING PROCEDURE:
JOB NAME:	Signed	Signed	
Date:			
Version number:			
Reassess:			
No. Persons Exposed:			

### 4.1.1 Generate an Approval for a Risk Assessment (Assessed By)



The following steps show how to use the approvals form to sign off a risk assessment as an assessor. This example will follow from the previous risk assessed chemical in section 4.1.








#### Steps: Generate Approval for a Risk Assessment

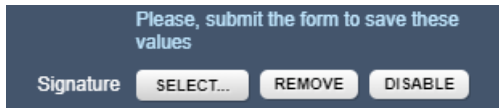
1. Press the **Report** button from the DOCS column to display the **Risk Assessment Report** (if it's not already rendered)









CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIAL TAGS
acetone Mixing	VGD Au	2	20°C	low medium high	millilitres litres tonnes	daily weekly	0	AIR WATER LAND	REPORT	Tags for Q... CLP Hazar... Red Tag D...
benzene Mixing	Au	4+	20°C	low medium high	millilitres litres tonnes	daily weekly monthly	4	AIR WATER LAND	1 REPORT	Tags for Q... Restricted... CLP Hazar... Red Tag D... NZ Regs


2. Press the **Approvals** button from the middle op of the risk assessment report to open the approvals form

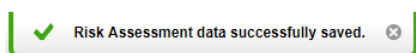
Several fields in the risk assessment report will not contain information before filling up the Approvals form pop-up window. These fields are; Job Name, Code, Assessed By, Approved By, Operating Procedure, Signed (2 fields – Assessor, Approver) and No. of Persons Exposed.

- Type  the **Job Code** in the empty text field 
- Type  the **name of the job** in the Job Name's empty text field 
- Type  the **Assessor's name** in the Assessed By empty text field 
- Press  the **Select** button to upload your soft signature file (image). Once a signature is uploaded, the remove or disable optional buttons display.



- Type  the **Approver's name** in the Approved By empty text field 
- Type  the **Number of Persons Exposed** in the empty text field 
- Type  the reference information for **Operating Procedure** in the empty text field . This information may be a link to a standard/ operating procedural document or a brief summary used internally or externally.
- Click  the **Calendar** icon for Review Date to set the date when the risk assessment will be due for a review. Note that the default review date is set to 5 years from the assessment completion date. In this case, the default review date is used.
- Press  the **Submit** button to save the input approval form data.

 A confirmation message for risk assessment saved successfully will be displayed in the top middle area of the user interface.






The generated Risk Assessment Report renders the full document with the filled approvals information signed off at the bottom of the page.



OPERATING TEMPERATURE:		VOLATILITY/DUSTINESS:		SCALE OF USE:		FREQUENCY OF USE:	
20 C°		medium		litres		daily, 30-60min	
Code:	10	Assessed By	Assessor	Approved By	OPERATING PROCEDURE:		
JOB NAME:	Mixing and Extraction of	Signed	<i>John Smith</i>	Signed	SOP JB10 (or insert a link to the procedure)		
Date:	21/11/2018						
Reassess:	21/11/2023						
No. Persons Exposed:	3						









#### 4.1.2 Print Risk Assessment Report for Approval

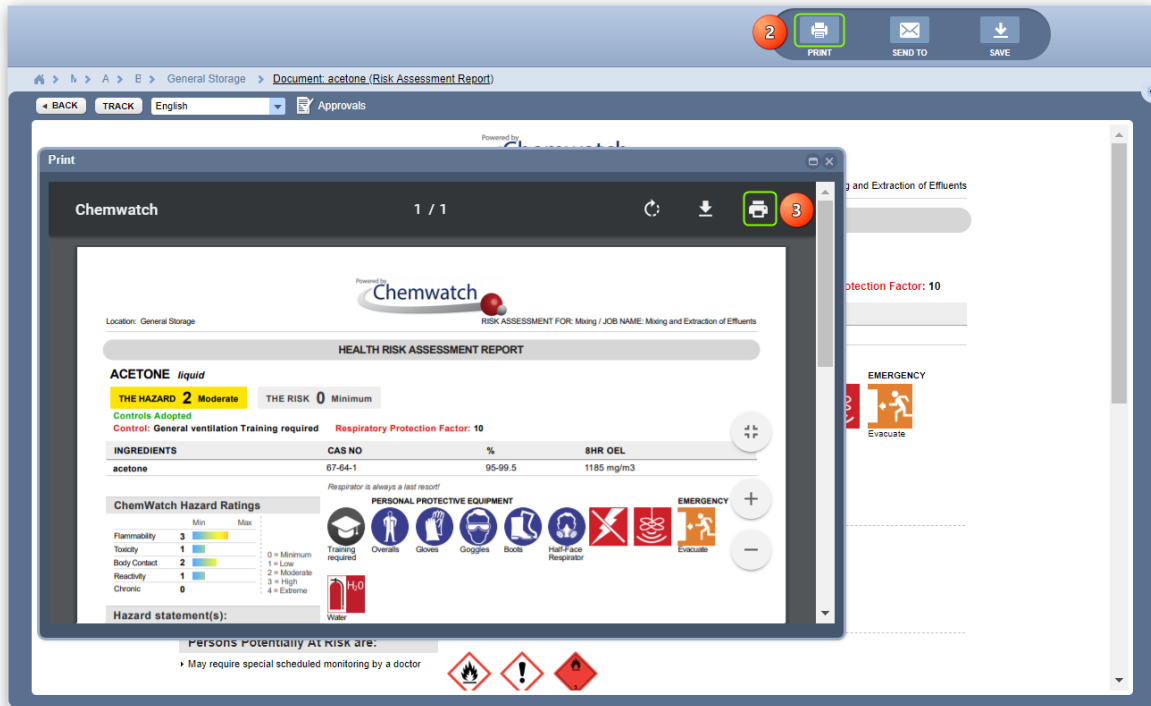
The following steps demonstrate on how to print a risk assessment report to be signed off by an Approver. This example will follow from the previous risk assessed chemical in section 4.1.1.

##### Steps: Print Risk Assessment Report for Approval

1. Press  the **Report** button  from the DOCS column to display the Risk Assessment Report  (if it's not already rendered).

CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIAL TAGS
acetone Mixing	VGD Au	2	20°C	low medium high	millilitres litres tonnes	daily 30-60min weekly <30min	0	AIR WATER LAND		Tags for Q... CLP Hazar... Red Tag D...
benzene Mixing	Au	4+	20°C	low medium high	millilitres litres tonnes	daily weekly monthly 30-60min <30min	4	AIR WATER LAND		Tags for Q... Restricted... CLP Hazar... Red Tag D... NZ Regs



2. Press  the **Print** button  from the top right corner of the user interface.
3. Press  the **Print** button  from the top right corner of  reader.
4. Select a **printer** from your desktop to print the document  to **sign it off**  manually by the approver .
















### 4.1.3 Email Risk Assessment Report for Approval



The following steps show how to email a risk assessment report to be signed off by an approver. This example will follow from the previous risk assessed chemical in section 4.1.1.

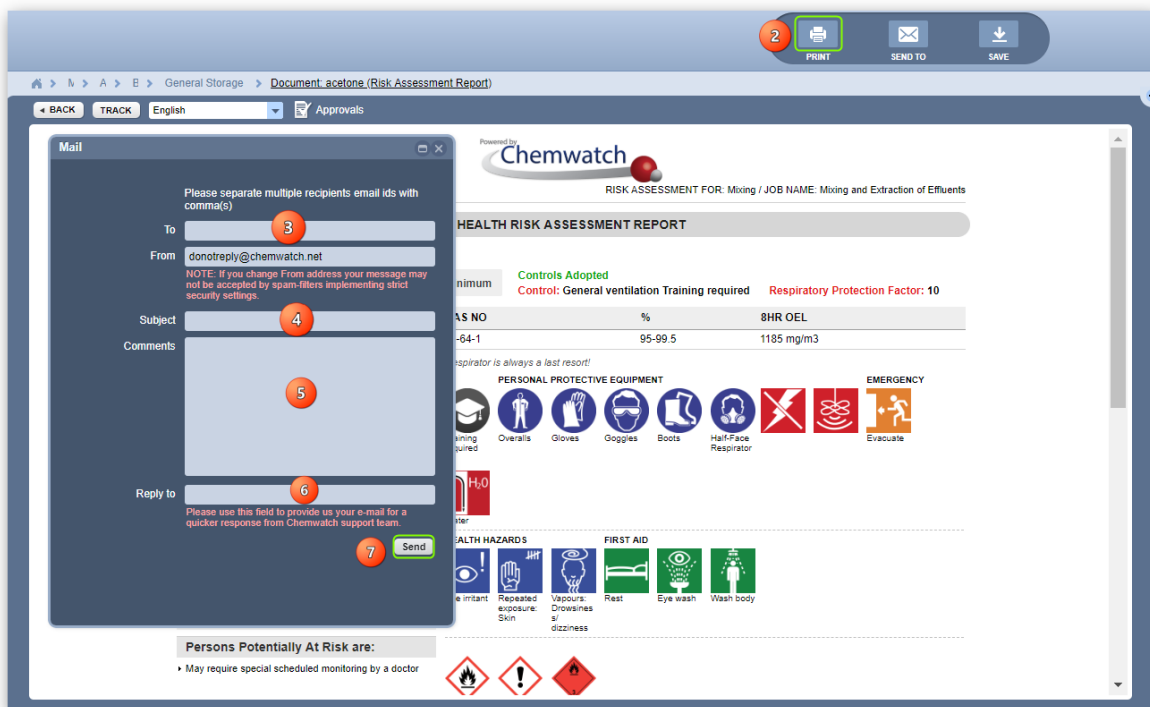
#### Steps: Email Risk Assessment Report for Approval

1. Press the **Report** button  from the DOCS column to display the **Risk Assessment Report**  (if it's not already rendered).

CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIAL TAGS
acetone Mixing	 	2		low medium high	millilitres litres tonnes	daily weekly	1-4hrs 30-60min <30min	AIR WATER LAND		Tags for Q... CLP Hazar... Red Tag D...
benzene Mixing	 	4*		low medium high	millilitres litres tonnes	daily weekly monthly	1-4hrs 30-60min <30min	AIR WATER LAND		Tags for Q... Restricted... CLP Hazar... Red Tag D... NZ Regs

2. Press the **Send To** button  from the top right corner of the user interface.
3. Type the **Recipients work email** address in the "To" empty text field .
4. Type the **Subject** in the empty text field .
5. Type the **Comments** in the empty text field .
6. Use the **Reply to** field  to provide Chemwatch your email address for quicker response from the Chemwatch support team.



- Press  the **Send To** button to email  the risk assessment report to the approver for review and sign off.






#### 4.1.4 Generate an Approval for a Risk Assessment (Sign Off by Approver)

The following steps illustrate the sequence with screen capture on 'how to use the approval feature to sign off a risk assessment as an approver. This example will follow from the previous risk assessed chemical in section 4.1.1.

##### Steps: Generate an Approval for a Risk Assessment (Sign-Off by Approver)

- Press  the **Report** button from the DOCS column to display the **Risk Assessment Report**  (if it's not already rendered).

CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIAL TAGS
acetone Mixing	VED AU	2	20°C	low medium high	millilitres litres tonnes	daily weekly	0	AIR WATER LAND		Tags for Q... CLP Hazar... Red Tag D...
benzene Mixing	AU	4+	20°C	low medium high	millilitres litres tonnes	daily weekly monthly	4	AIR WATER LAND		Tags for Q... Restricted... CLP Hazar... Red Tag D... NZ Regs

- Press  the **Approvals** button from the middle of the risk assessment report to open the approvals form pop window.

**i** At this stage, the **Approved By** and **Signature** fields in the risk assessment report will not contain information.

3. Type the **Approver's name** in the "Approved By" empty text field.
4. Press the **Select** button to upload your soft signature file (image). Once a signature is uploaded, the Remove or Disable buttons get displayed for optional use.

Please, submit the form to save these values

Signature **SELECT...** **REMOVE** **DISABLE**

5. Check if all the **input data** in the approvals form correlates with what is expected in order to assign an approval signature.
6. Press the **Submit** button to save the input data.

**i** A confirmation message for risk assessment saved successfully will be displayed in the top middle area of the user interface.

**✓ Risk Assessment data successfully saved.**





The generated Risk Assessment Report renders the full document with the filled approvals information signed off by the Approver at the bottom of the page.

OPERATING TEMPERATURE:	VOLATILITY/DUSTINESS:	SCALE OF USE:	FREQUENCY OF USE:
20 C°	medium	litres	daily, 30-60min
Code: 10	Assessed By: Assessor	Approved By: Manager	OPERATING PROCEDURE: SOP 3B10 (or insert a link to the procedure)
JOB NAME: Mixing and Extraction of	Signed: <i>John Smith</i>	Signed: <i>[Signature]</i>	
Date: 21/11/2018			
Reassess: 21/11/2023			
No. Persons Exposed: 3			

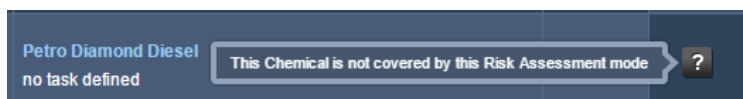
## 4.2 Perform a Dangerous Goods Risk Assessment

The UN tab **UN** provides users with the ability to perform dangerous goods risk assessments for storage. Note that not all dangerous goods classes are covered in the Control Banding Risk Assessment module as the Chemwatch logic does not cover Dangerous Goods Classes 7 and 9.

Dangerous Goods Classes (DGC) Not Covered

DG Class, Diamond and Description	Packing Group
 <p>Substances and articles which spontaneously emit radiation greater than 70 kilobecquerel per kilogram, e.g., uranium oxide. Requirements for radioactive substances or articles are subject state or territory acts and regulations for their safe transportation. Any provisions in the ADG code for class 7 are for information purposes only, unless referenced by other legislation.</p>	N/A
 <p>Dangerous substances and articles (miscellaneous) that during transport present a danger not covered by other classes, e.g., dry ice, asbestos.</p>	II or III

Non-physical DG is not covered with the exception of dangerous goods that fall in the category of physical hazards such as Flammability or Explosion, e.g., diesel. A message is displayed when hovering over the hazard rating with a question mark **?**.



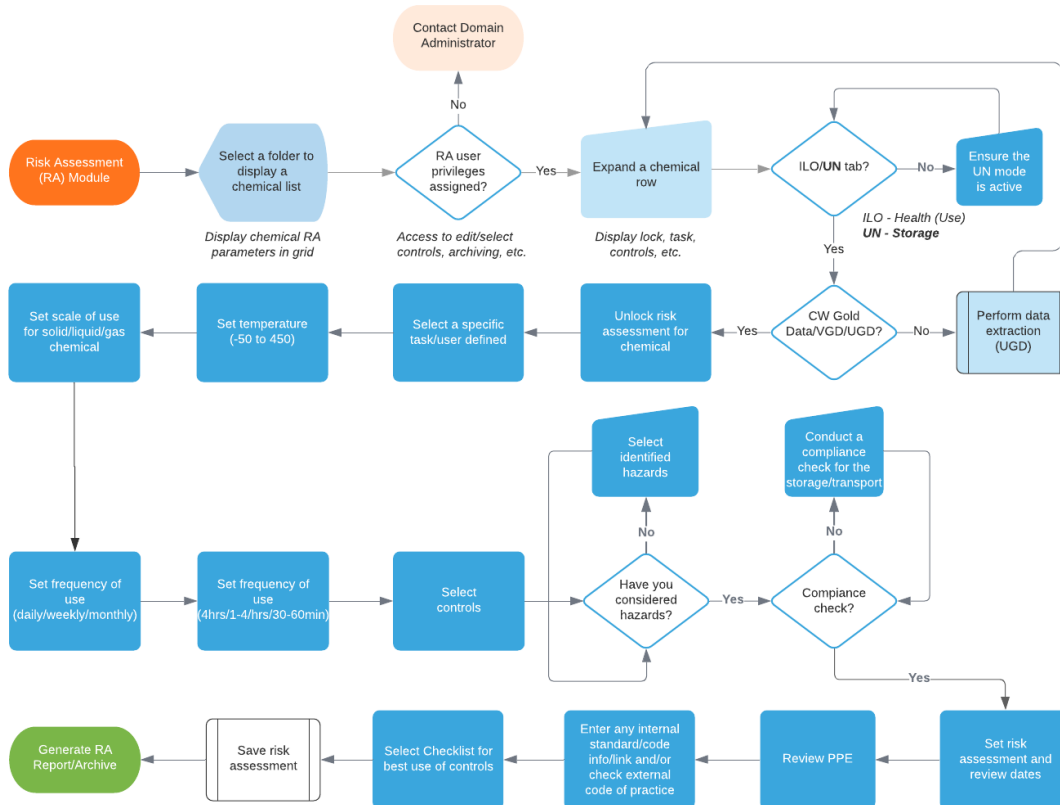
Chemicals in the risk assessment module are automatically calculated based on the Dangerous Goods Classification Grouping criteria. The DG Packing Group is set to provide the appropriate level of control by default and calculate the Risk Band taking into account the risk




assessment parameters set for the chemical. The following flowchart illustrates the activities on how to perform a dangerous goods risk assessment.

**i** The amount of the dangerous good affects the level of the risk. Generally, the larger the amount of a chemical, the higher the probability of risk.




### Dangerous Goods Risk Assessment Process Flowchart



The steps below show ‘how to perform a risk assessment for a chemical based on “Storage (UN)”’. In this worked example, the risk assessment will be carried out from the Location (level 3) folder .

**i** The UN tab **UN** is the active risk assessment mode. The number on the UN tab shows active risk assessments that have been processed, e.g., **UN 1**.

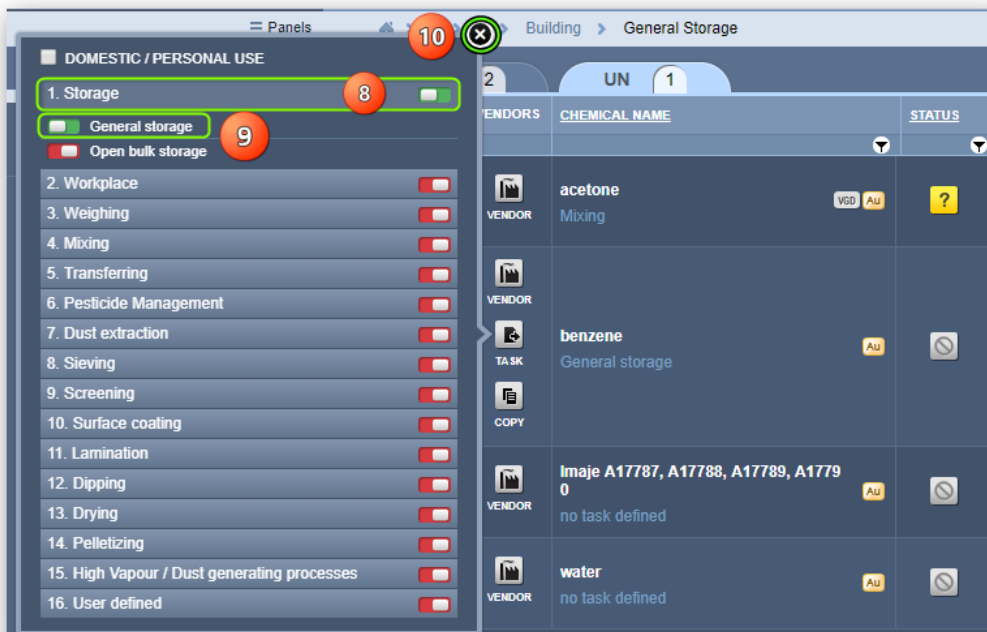
### Steps: Perform Dangerous Goods Risk Assessment

1. Select  the **Risk Assessment module**  button (if it’s not already the default module).
2. **Expand**  the Manifest directory nodes to view the folder location, e.g., Level 3 Storage node; where the chemicals are located.

- Press the **Folder name**. Take note that the risk assessment grid will show the list of chemical names and the default risk assessment parameters.
- Press the **UN tab** to activate the dangerous goods risk assessment mode.
- Click the **Expand** button alongside the chemical name, e.g., benzene, to open hidden components in the expanded row.
- Click the **Locked padlock** button to unlock the risk assessment for the chemical.
- Click the **Task** button to open the task menu.




- Press the **Task category** red switch , e.g., Storage.
- Select a **Task Name** green switch e.g., General Storage.




- Click the **Close** button from the task window
- Drag the temperature gauge to a specific value marker or click on the temperature text field and type the value . Note that by default the temperature is set to 20°C. The default risk assessment parameters are shown below prior to setting new values.

These settings are based on the risk assessment laboratory settings (shown in bold below).

Parameter	Default Value/Measure
Operating temperature	20°C
Volatility (Liquid/Gas)/Dustiness (Solid)	Low/ <b>Medium</b> /High
Scale of Use	Microlitres/ <b>millilitres</b> /litres
Frequency of Use	Daily/weekly/ <b>monthly</b>
Frequency of Use	<b>&gt;4hrs</b> /1-4hrs/30-60min


12. Roll the **scale of use** barrel  to set the appropriate unit measure; microlitres/millilitres/**litres**, e.g., measure set to litres affects the risk band, which changes from 1 to 2

Parameter	Risk Band
Scale of use set to millilitres by default	Default risk band=1
Scale of use when set to litres	Changes to a higher band =2 for this chemical

13. Roll the next **frequency of use** barrel  to set the period of exposure; **daily**/weekly/monthly



Parameter	Risk Band
Frequency of use set to monthly by default	Subsequent risk band=2
Frequency of use when set to weekly	Changes to a higher band =4 for this chemical

VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/ DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND
VENDOR Mixing	acetone	?	3	20°C	low medium high	millilitres litres tonnes	daily 30-60min weekly <30min	3
VENDOR TASK COPY	benzene General storage	AU	3	20°C	low medium high	millilitres litres tonnes	daily weekly monthly >4hrs 1-4hrs <30min	4

14. Roll the next frequency of use barrel  to set the timeframe of exposure; >4hrs/1-4hrs/30-60min



Parameter	Risk Band
Frequency of use set to >4hrs by default	Subsequent risk band=4
Frequency of use when set to >30-60min	Changes to a lower band =2 for this chemical



VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/ DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND
VENDOR Mixing	acetone	?	3	20°C	low medium high	millilitres litres tonnes	daily 30-60min weekly <30min	3
VENDOR TASK COPY	benzene General storage	AU	3	20°C	low medium high	millilitres litres tonnes	daily weekly monthly >4hrs 1-4hrs <30min	2




15. Click  the Controls button  to open the applied controls window




The screenshot shows the 'Controls' window for acetone. It includes sections for 'COMPLIANCE CHECK' (Flammability, Chemical explosion, Explosive atmosphere), 'CONTROLS' (Auxiliary, Engineering, Administrative), 'REVIEW PPE' (ON), and 'STANDARDS' (External and Internal codes of practice). A 'CHECKLIST' icon is visible in the top right corner of the window.

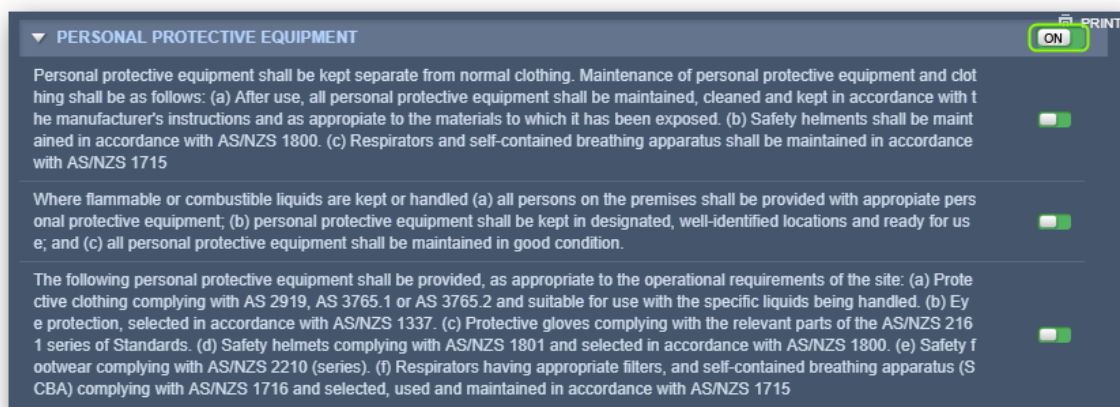
Control Category	Parameter/Value
Risk rating (band)	2
Have you considered....	Flammability, chemical explosion, explosive atmosphere, switches are off  by default
Compliance Check	Completed "Yes or No" switch is off  by default
Risk Assessment Date	Calendar is not set by default

Control Category	Parameter/Value
Risk Assessment Review Date	Calendar is not set by default
Controls	Auxiliary, Engineering and Administrative Controls' switches are off  by default
Review PPE	Review Protective Equipment switch is ON  by default
External Code	Code of practice assigned by default; NFPA 30, AS1940
Internal Code/Standard	Browse to assign the name of the document or enter a link

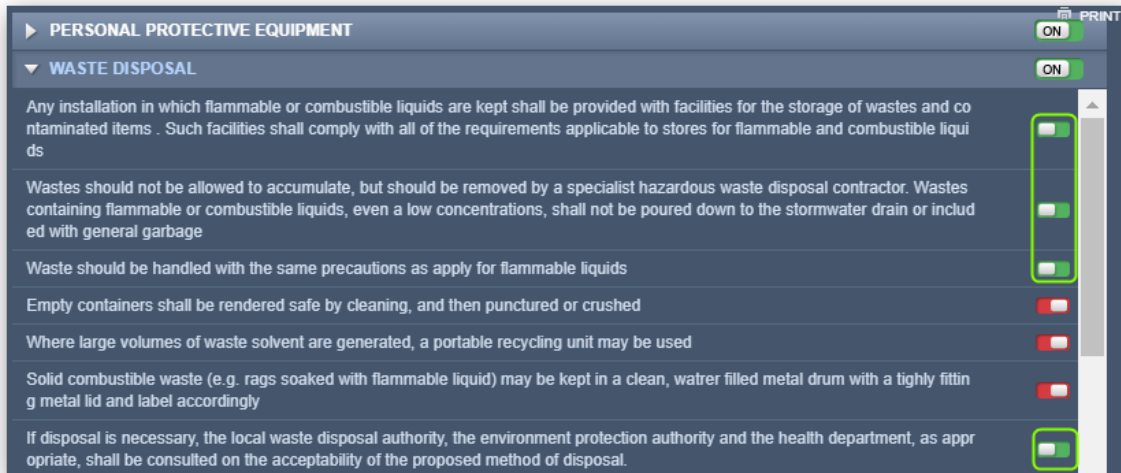
16. Select  the **Dangerous Goods storage checks** to switch them on if they have been considered for the storage of the chemical
17. Select  the **Compliance check** switch on if compliance have been adhered to requirements
18. Set the **Risk Assessment Date** by assigning the current date from the calendar icon (dd/mm/yyyy)
19. Set the **Risk Assessment Review Date** by assigning the current date from the calendar icon (dd/mm/yyyy)
20. Press  the **Auxiliary Controls** off switch to assign the appropriate controls



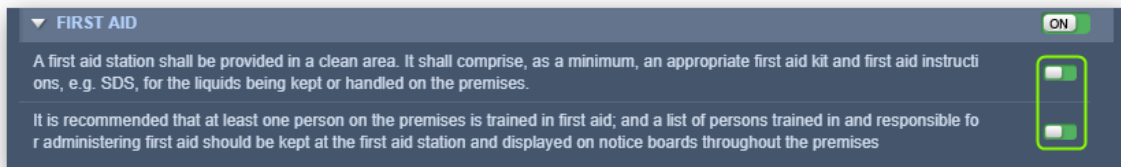
21. Select  the **Personal Protective Equipment controls** by switching on the applicable controls




22. Select  the **Waste Disposal controls** by switching on the applicable controls




23. Select  the **First Aid controls by switching** on the applicable controls



24. Click  the **Close** button  from the Auxiliary Controls window

25. Select  the **Engineering Controls switch** to open the applicable controls






26. Set  the **Controls of Ignitions Sources, Machinery and Equipment, Building Installations, Bunds and Compounds, Doors and Doorways, Vapour Hazards and/or Lighting**






Control Category	Parameter/Value
Initial Risk rating (band)	2
Engineering Controls	Turning on the Control of Ignition Sources switch affects the Dangerous Goods Risk Band, changed to = 0.

**i** The default risk band is affected by applying specific controls relevant to reducing risks further. For example, above, the Risk Band =2 was lowered to Risk Band=0 after applying the Control of Ignition Sources.





27. Click  the **Close** button from the Engineering Controls window
28. Press  the **PPE Switch** to open the respective default PPEs and Chemwatch recommended PPEs
29. Press  the **PPE Switch** to turn on  or off  the respective PPEs, e.g., full body suite and short gloves have been assigned by default s per Chemwatch recommendations

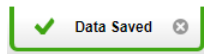
Parameter	Recommended PPE
Small green square 	The PPE with a small square on the right-hand side depicts a Chemwatch recommended PPE. Some recommended PPE may be switched on  .
Default button 	The default button will show all the Chemwatch recommended PPEs switched on. Use this button if intending to apply all the recommended PPEs.











30. Press  the **Submit** button to save the PPE data

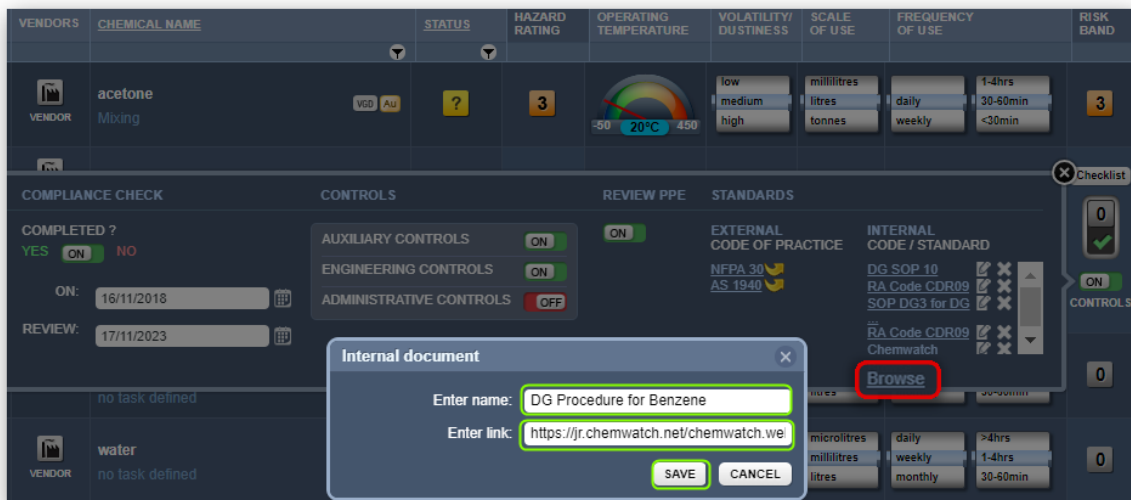









 A confirmation message for data saved is displayed at the top middle area of the user interface. Note that the Review PPE button is switched on .

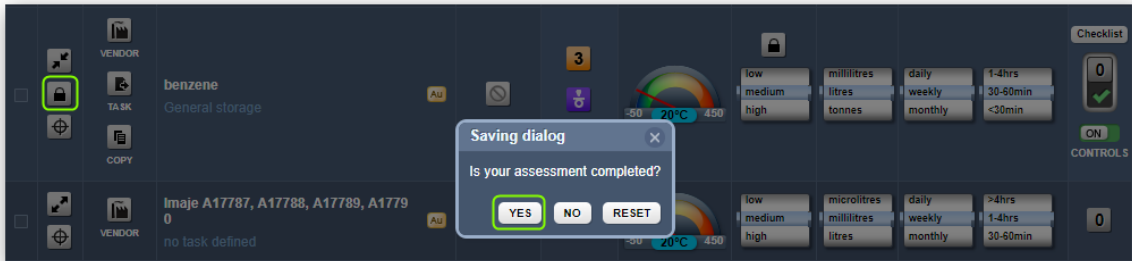


31. Click  the **Close** button  from the PPE window
32. Click  the **Browse** link within the Internal Code/Standard section
33. Type  the **Internal document name** in the text field 
34. Type  the **Internal document link** in the text field 
35. Press  the **Save** button to save the internal document data
36. Click  the **Close** button  from the Controls window



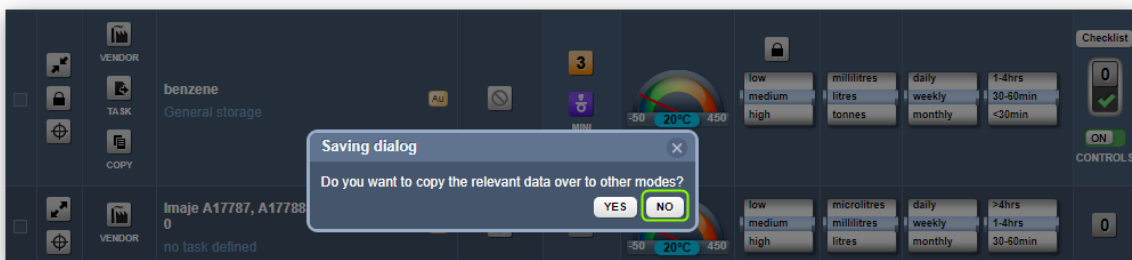
37. Click  the **Unlocked** button  to save and lock  the risk assessment for the chemical
38. Press  the **YES** button  from the saving dialog to confirm action.



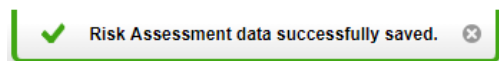


**i** Note selecting the “NO” button  will retain the active risk assessment; however, selecting the “Reset” button  will retain the risk assessment to its default parameters.

39. Press **NO** the NO button from the saving dialog in order to not copy the dangerous goods parameters into the ILO mode.



**i** A confirmation message for risk assessment saved successfully will be displayed in the top middle area of the user interface.



Take note that the risk assessment status changes from Assessment Required  to Assessment Complete .

VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS
acetone	Mixing	?	3	20°C	low, medium, high	millilitres, litres, tonnes	daily, weekly, monthly	3	AIR, WATER, LAND	REPORT
benzene	General storage	<input checked="" type="checkbox"/>	3	20°C	low, medium, high	millilitres, litres, tonnes	daily, weekly, monthly	0	AIR, WATER, LAND	REPORT, CTRLDOCS

## Dangerous Goods Risk Assessment Report

The Risk Assessment Report is generally a one-page document with the header of the document showing the risk assessment risk band colour coding, in this case, grey, Risk Band=0.

**DANGEROUS GOODS RISK ASSESSMENT REPORT**

**BENZENE Liquid**

**THE HAZARD 3 High**

**THE RISK 0 Minimum**

**Controls Adopted**

**Control:** Auxiliary controls Engineering controls Administrative controls **Respiratory Protection Factor: 10**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
benzene	71-43-2	99.9	10 ppm	25 ppm

**ChemWatch Hazard Ratings**

	Min	Max
Flammability	3	
Toxicity	0	
Body Contact	3	
Reactivity	1	
Chronic	4	

0 = Minimum  
1 = Low  
2 = Moderate  
3 = High  
4 = Extreme

**Hazard statement(s):**  
Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause genetic defects.

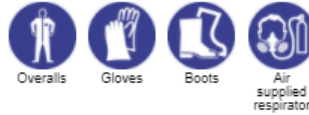
May damage fertility or the unborn child.  
May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enters airways.  
May cause cancer.

**For making the best use of the controls, please follow the checklist below**

- Clear up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids, use vacuum cleaning or wet mopping. Dispose of spills safely.
- Don't stack materials against air vents, grills etc. Handle all packages and containers carefully to minimise spills.
- Don't use solvents to clean your skin.
- Look for signs of leaks, wear or damage in the storage area. If you find any problems, tell your supervisor. Don't carry on working if you think there is a problem.
- Use handling aids to move sacks and drums.
- Use, maintain and store any PPE provided in accordance with instructions.
- Wash your hands before and after eating, drinking or using the lavatory.

*Respirator is always a last resort!*

**PERSONAL PROTECTIVE EQUIPMENT**



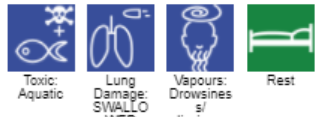
**EMERGENCY**



**HEALTH HAZARDS**



**FIRST AID**



**Precautionary statement(s): Prevention**

Obtain special instructions before use.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not breathe the mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
Use personal protective equipment as required.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not eat, drink or smoke when using this product.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement(s): Response**


IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
IF exposed or concerned: Get medical advice/attention. Do NOT induce vomiting.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use alcohol resistant foam or normal protein foam for extinction.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water and soap.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If skin irritation occurs: Get medical advice/attention.

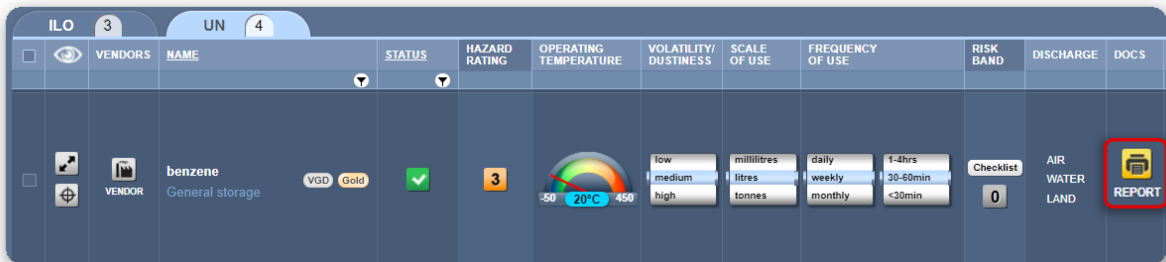
OPERATING TEMPERATURE:	VOLATILITY/DUSTINESS:	SCALE OF USE:	FREQUENCY OF USE:
20 C°	medium	litres	weekly, 30-60min
Code:	Assessed By	Approved By	OPERATING PROCEDURE:
JOB NAME:			
Date:	Signed	Signed	
Version number:			
Reassess:			
No. Persons Exposed:			



## 4.2.1 Print DG Risk Assessment Report for Approval

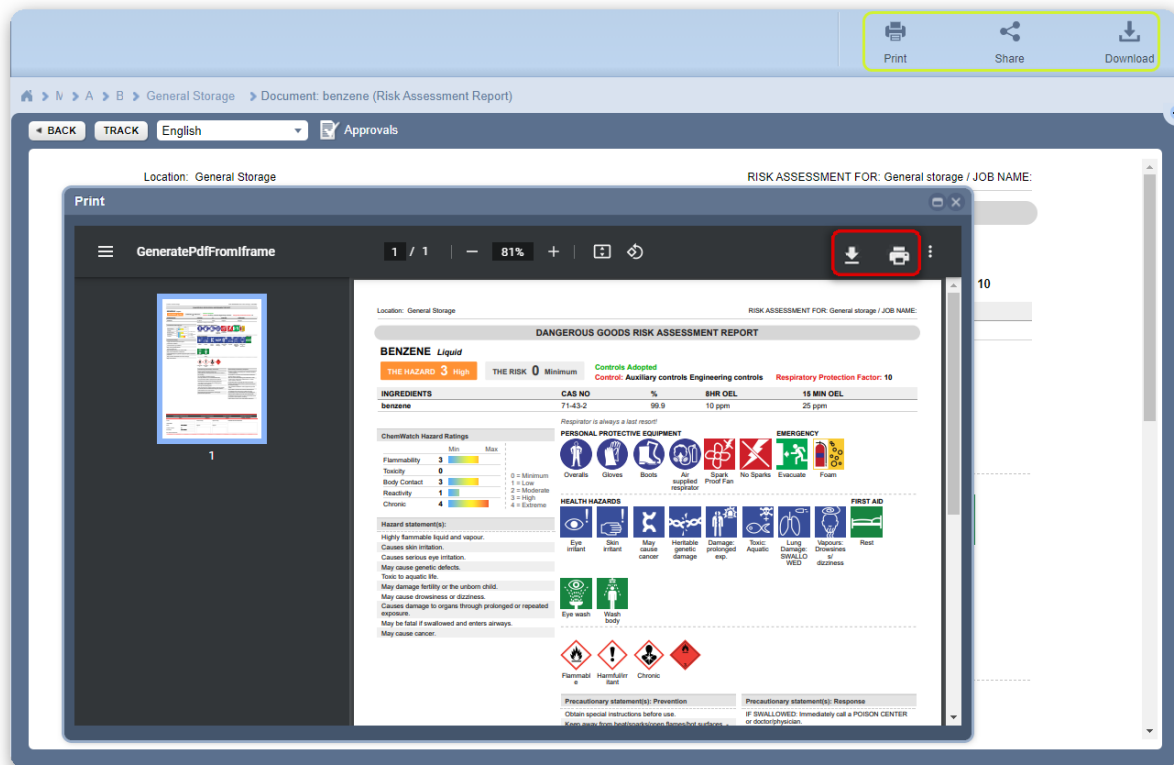
The following steps show how to print a risk assessment report to be signed off by an Approver.

### Steps: Print Dangerous Goods Risk Assessment Report for Approval

1. Press  the **Report** button from the DOCS column to display the **Risk Assessment Report** (if it's not already rendered).



2. Press  the **Print** button from the top right corner of the user interface.
3. Press  the **Print** button from the top right corner.
4. Select a **Printer** from your desktop to print the document to be manually signed by the approver.



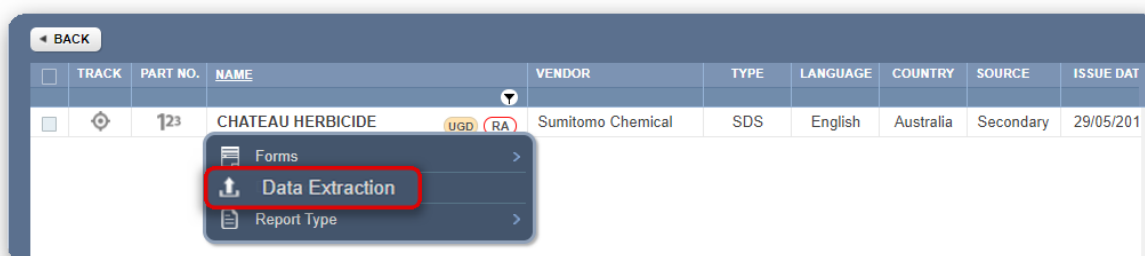
## 4.3 Data Extraction in Risk Assessment Module

The main objectives of this section cover how to use the data extraction tool to extract specific information from the product SDS by using the various sections of the Credo-like form to:

- Identify the product from the vendor SDS and input specific information
- Input the manufacturer details
- Search for ingredients, input proportion% and physical properties
- Review ingredients hazards classification
- Extract hazards classification
- Input dangerous goods classification data
- Render auto-suggested dangerous goods classification information
- Perform a risk assessment based on data extracted from the product vendor SDS



The Data Extraction Tool's primary purpose is to enable users to extract information about a product SDS for the calculation of hazard ratings and dangerous goods classification data to infer the default risk band calculation for a material that has no Gold data or VGD available. It is merely designed for ease of navigation through a Credo-like form and is accessible from the risk assessment grid's **right click on the material**. The image below shows the right click menu from the document grid.




### Description

Data Extraction Tool (DET)

Manual extraction of data by a user by referring to the Vendor SDS

### Purpose and Use of DET

A **chemical** name in the **risk assessment grid** is designated with a hazard question mark **?**, which means that **the chemical's** classification data has not been extracted by Chemwatch at this time. However, a user can extract classification data by using the DET Tool.


One of the primary benefits of having data extracted for a material that does not have a Gold SDS, user can filter by hazards surveillance or biological monitoring and if the material (with Vendor DET button active , will allow users to be able to perform risk assessments for chemicals that do not have classification data in the system due to the unavailability of Gold or VGD data.

If the Vendor SDS button is greyed out, this means that it is not possible to conduct DET due to the availability of VGD data and the hazard rating will not have a question mark.

## Types of Extraction Data


### Data Preferences Settings

Note that there are **four types** of settings related to the use of classification data. These settings will be set by the domain administrator of the system with Chemwatch during an onboarding process for new customers.

 If unsure of the type of VGD that is applicable to your domain account, please contact your domain administrator or your customer service account manager at [customerservice@chemwatch.net](mailto:customerservice@chemwatch.net).


Type of Data	Usage	Description
<b>UGD (User Gold Data)</b>	Data extracted by a user to be used in RA Materials Table and applicable Risk/Hazard codes, Dangerous Goods classification where applicable by vendor classification of the material.	User Gold Data extracted using the DET Tool by referencing a Vendor SDS specific document data in section 2, 3, 11 and 14 in order to assign respective Risk/Hazard Codes, DG Class, PKG to that material. <b>Users can then;</b> <ul style="list-style-type: none"> <li>Filter by health surveillance or biological monitoring</li> <li>Conduct Risk Assessments for a material that does not have Gold MSDS (no classification data available in the system).</li> </ul>
<b>Force Gold</b>	Gold MSDS data will only be used	VGD and UGD data will never be used when Force Gold data is used. Gold Data is based on Chemwatch classification as per regulatory instruments as per respective jurisdictions (by Region/Country/SDS Format).
<b>Force VGD</b>	Vendor Gold Data or User Gold Data will only be used	VGD and UGD data will be used when Force VGD data is applied by Chemwatch for that domain. Vendor or User Gold Data is based on data extracted for classification as per regulatory instruments. Gold Data will never be used, except when a Gold MSDS is displayed or Mini or Labels or Emergency Reports.
<b>Prefer Gold</b>	Prefer Gold - Use of both Gold and VGD/UGD data.	Gold data will only be used when a single material has both types of data available.
<b>Prefer VGD</b>	Prefer VGD - Use of both Gold and VGD/UGD data	VGD/UGD data will only be used when a single material has both types of data available

### Risk Assessment Chemical Status “before” Data Extraction



The risk assessment chemical list will display the respective hazard rating question mark  by default for materials in a selected folder if there's no Gold data, VGD or UGD classification available.

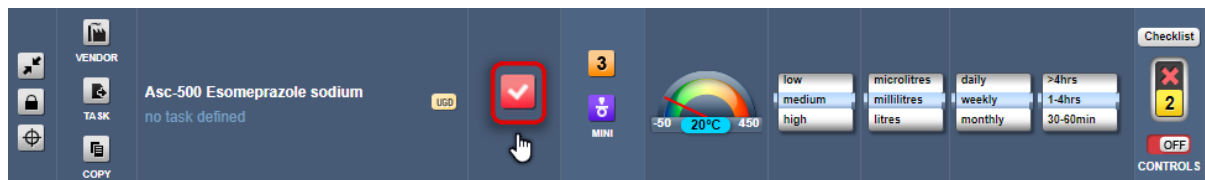
ILO	UN	VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERI
0	0	VENDOR	2XXX SERIES ALLOY, RA163 no task defined				crystal powder nanos	micrograms grams kilograms	daily weekly monthly	>4hrs 1-4hrs 30-60min	Checklist 0	AIR WATER LAND	REPORT HSE M
		VENDOR	ABOUND 400 HERBICIDE Application Spraying and Dusting				low medium high	millilitres litres tonnes	>4hrs 1-4hrs 30-60min	Checklist 0	AIR WATER LAND	REPORT	




### The Status of a Chemical Risk Assessment “After” Data Extraction in Manifest Module

If a material had no classification data (no UGD available) in the Manifest module and have not been extracted, this material will be automatically shown the Risk Assessment status as “Review Required ” due to improvements made for data extraction.





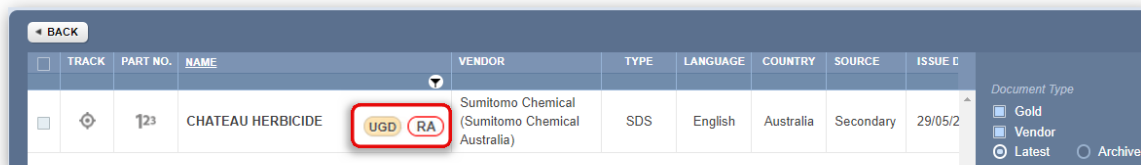
If a material had UGD extracted in the Manifest module prior to the data extraction improvements and the risk assessment was performed, the risk assessment status will also show “Review Required ” with the  icon displayed.




However, any classification data extracted in the Manifest module for a specific material Vendor SDS, will automatically default to the status "Assessment Required ” in Risk Assessment module with the corresponding  icon when  becomes available.



The document list when viewed from the risk assessment module for a product that has  available from the Manifest module and Vendorless record removed by adding record into own inventory, the RA icon  will be displayed as shown below.



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE D
	123	CHATEAU HERBICIDE	Sumitomo Chemical (Sumitomo Chemical Australia)	SDS	English	Australia	Secondary	29/05/2

Note that without removing the Vendorless record and replacing it with current data, it will not be possible to open the data extraction tool as it is a requirement before proceeding the mouse right click functionality to select the data extraction option from the context menu.






If the filter conditions are set to a particular country and the Vendor SDS added into the Manifest folder is different from that country, the risk assessment module has a function through the mouse right click to choose to use this Vendor SDS. In this case scenario, removing the current filters will trigger a UGD message requirement in order to perform a risk assessment for based on the selected product's Vendor SDS.

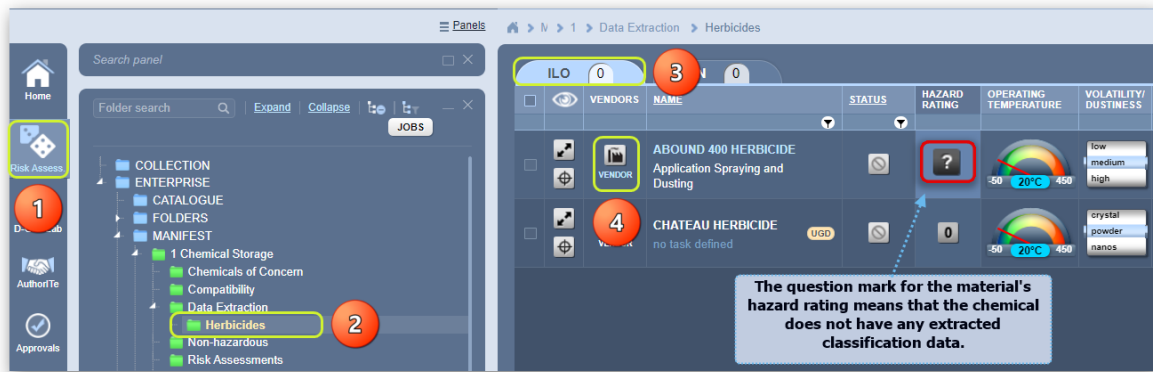



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	Eversol 1017	Univar (Univar Europe)	SDS	English	United Kingdom	Primary	30/04/2003

The steps below show [how to perform data extraction in the risk assessment module](#) for a chemical that does not have any classification data extracted.

**Steps:** Perform a User Defined Data Extraction Task for a Chemical without Gold/VGD Data


1. Select  the **Risk Assessment** module button
2. Click  on a **Folder name**
3. Select the **risk assessment mode** (ILO- Health or UN –Dangerous Goods tab). In this exercise,  (Health) risk assessment is the “active” mode by default.
4. Click on **Vendor** icon  alongside the chemical name with the hazard rating question mark icon .






5. Mouse **right click** on the document (SDS) name to open the context menu
6. Click on “Data Extraction”  option from the menu

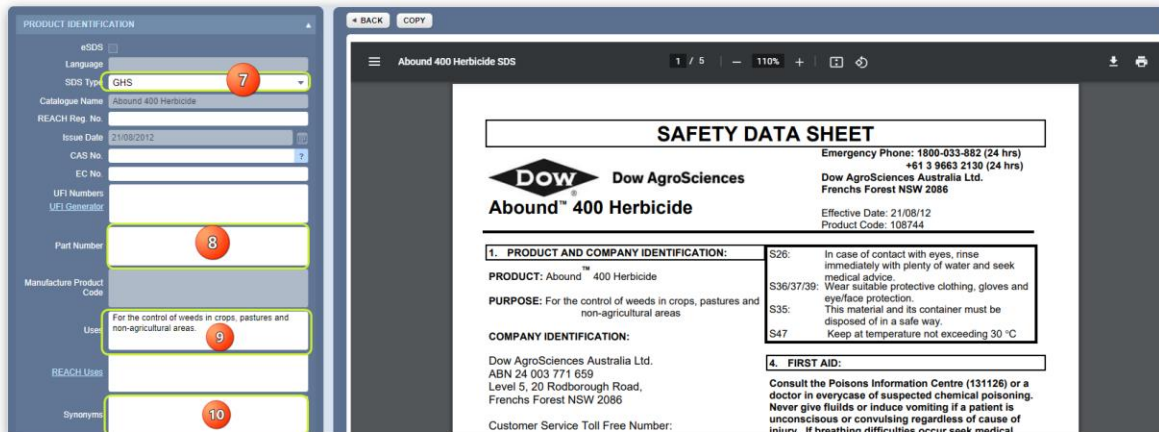



7. The data extraction tool will load the CREDO form defaulting to **Product Identification** tab and render the Vendor SDS for the material. Select the dropdown arrow for **SDS type** and choose the **GHS** option from the list.

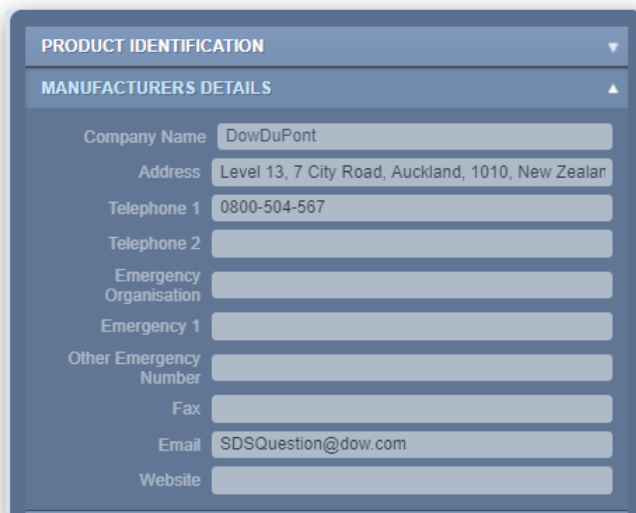
 Note that certain fields in the Product Identification form will be prefilled for specific data based on availability of information about the product. In this example, the SDS is in English language, Catalogue Name is provided.


8. Type  the **Part Number** in the part number free text field (if available in the SDS). Note that this field is optional.
9. Type  the **Uses** details in the uses free text field. Note that the use information is optional, however it is normally available in section 1 of the product’s SDS.
10. Type  the **Synonyms** for this product in the synonyms text field. Note that this field is optional; however, synonyms are usually available in section 1 of the product’s SDS.

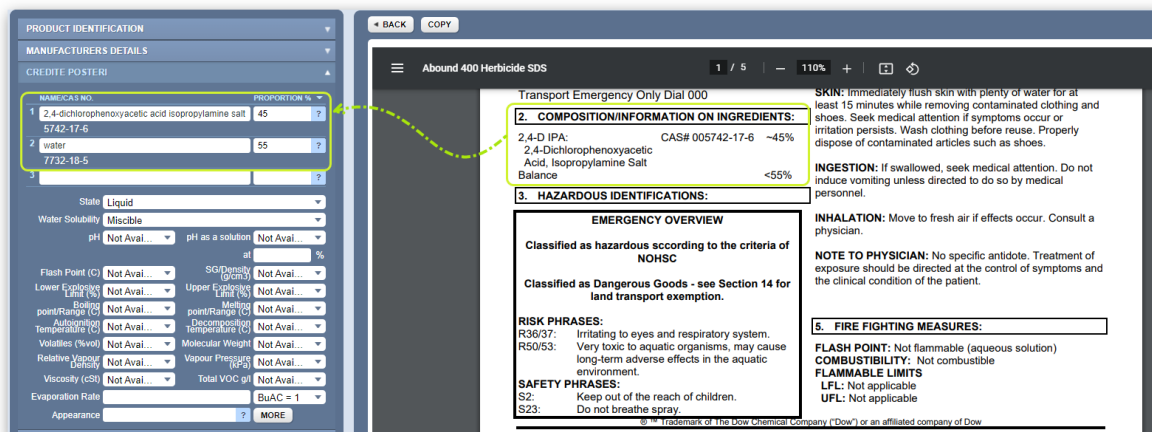




- Click  on the **Manufacturers Details** tab to check if vendor details are automatically filled from the database.

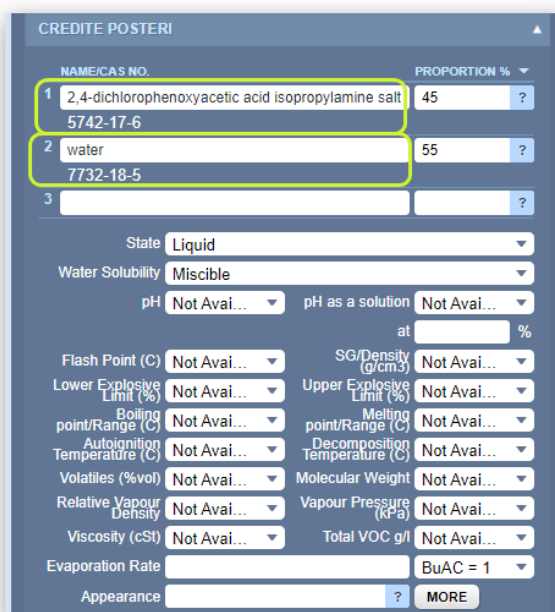


- Click  on the **Credite Poster** tab to enter the respective ingredient(s) of the product's composition. Generally, section 3 of the product's SDS will have the ingredient(s) and composition information to use in the Credite Poster fields to look up for each ingredient and assign the respective proportion %. However, in this exercise, the information is available in section 2 of the SDS.

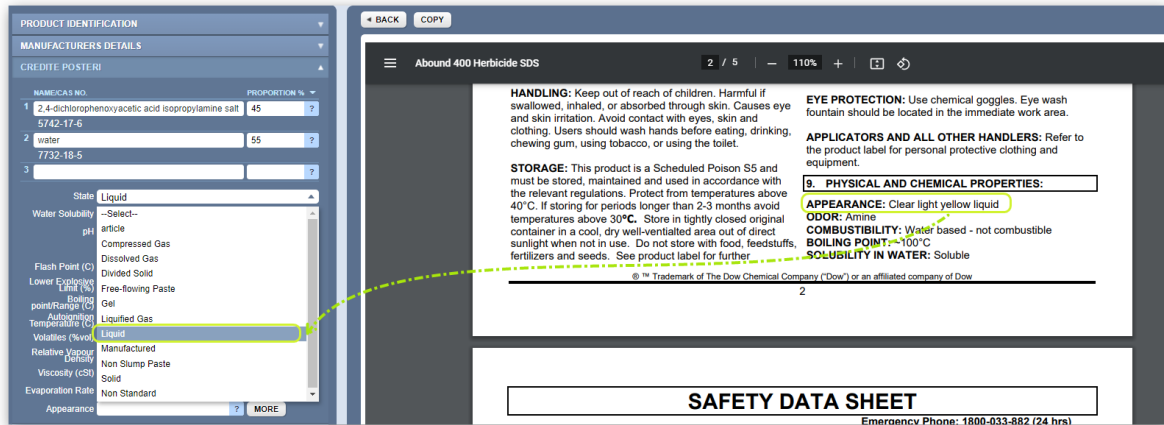



The next steps involve searching for these ingredients in the Chemwatch database using the Credite Posteri ingredients fields.

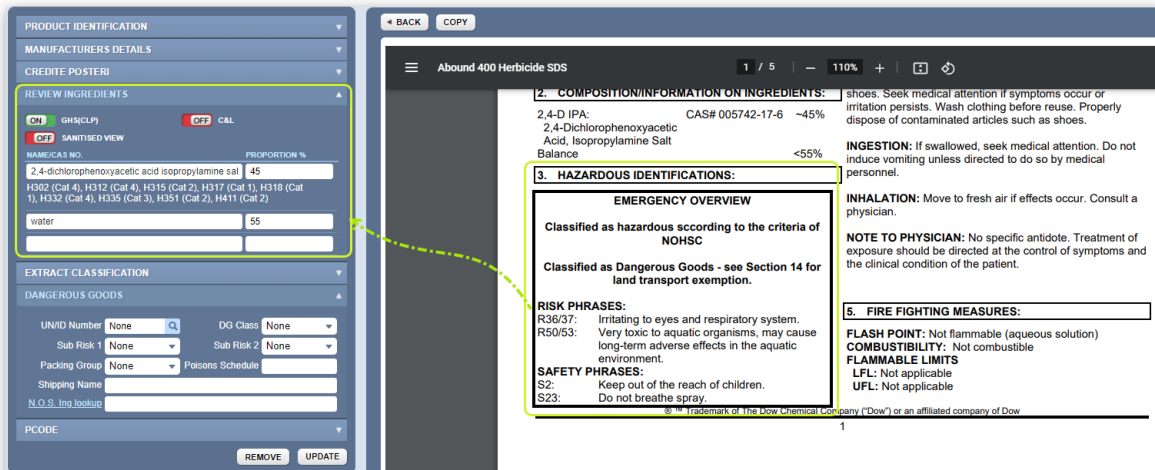
13. Type  the **Ingredient name** for a quick look up and if available in the system, then click on the dropdown listed material name that matches the respective CAS number if available or simply enter the CAS number of the ingredient if available.
14. Select the **name of the ingredient** from the autocomplete list. *Repeat this step for the next ingredient.*
15. Enter the **Ingredients proportion %** in the Proportion % fields respectively.




16. Assign the physical **State** of the substance; solid, liquid, gas; water solubility, etc. where information is available in the product's SDS. Other specific data may be ignored if not available in the SDS or are not necessarily relevant when creating a mixture, such as pH, viscosity, relative vapour density, etc. In this exercise, the product's SDS shows that the appearance of the product as "Clear light-yellow liquid", which means it's a liquid and hence we assign the physical state as "**Liquid**".



17. Click  on the **Review Ingredients** tab to check if the applicable classification criteria are set to GHS (CLP) instead of C&L for each ingredient. The GHS (CLP) switch must be turned ON (green) to match the product's SDS classification as GHS in section 2. Check the respective GHS hazard codes generated by the system versus the ones that are shown in section 2 (Hazards Identification) of the product's SDS. In this exercise, the product's SDS hazard identification is in section 3.



If the hazard codes and statements match, then there's no need to add any hazards.

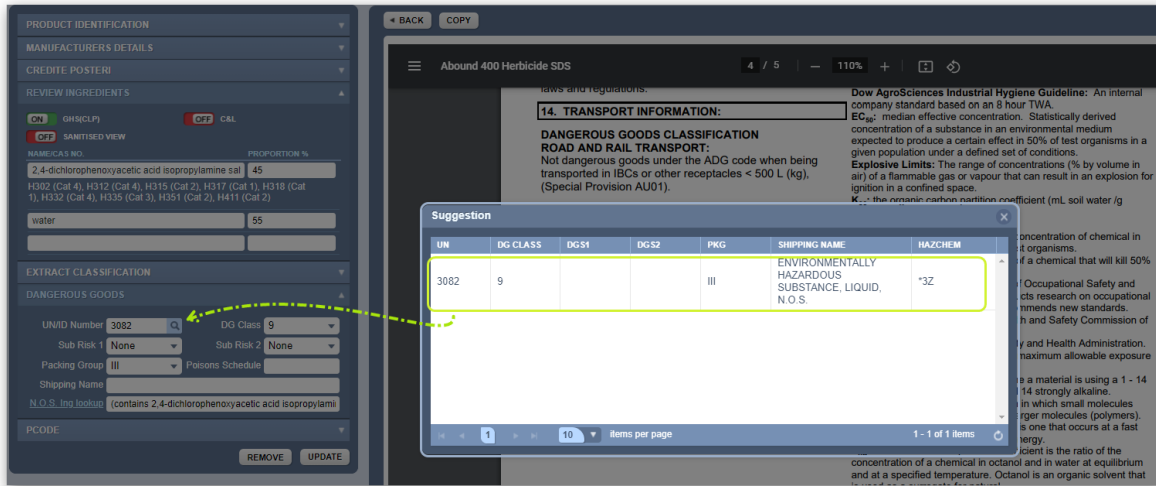
18. Click  on the **Extract Classification** tab to assign any extra applicable classification codes. In this exercise, there are no extra hazard codes to assign. If there were, use the hazard checkbox(es) to select respective hazard codes and these would appear as "UserDefined" as shown below. Note that HNOC is not applicable for Australian SDS and NFPA modification is also not applicable.


19. Click the **Dangerous Goods** tab to enter the DG classification. Note that this information is generally available in section 14 of the product's SDS. In this exercise, the product is classified as miscellaneous in accordance to the ADG code 7, Dangerous Goods Class 9. The main classification information available on the SDS is as follows:

UN number	UN proper shipping name	Dangerous Goods Class	Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. CONTAINS 2,4-D	9	III

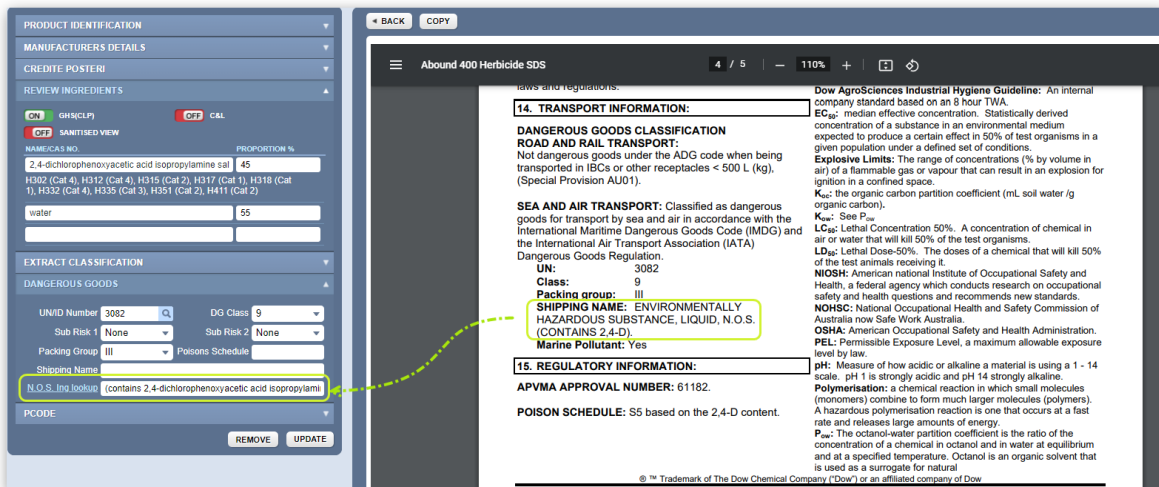
20. Type the **UN/ID Number** as shown in the SDS, e.g., 3082.

21. Click the **Look up** icon (magnifying glass) to check for suggestion of DG classification data. In accordance with the information provided in the SDS, this product is classed as DGC 9, Packing Group III.



22. Click  on the **row** with matching classification data from the Suggestion window and close the confirmation window.

Note that the DG classification form fields will be automatically populated with the applicable data. Use the **N.O.S. Ing.lookup** link to choose the respective shipping name (this must match the product's classification information on the SDS).

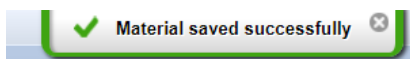


Once the shipping name has been identified, click the OK button and the information will be displayed on the respective field.

23. Click on the **PCODE** tab. Choose the appropriate “Precautionary Code/Statements” checkbox(es) by referring to section 2 of the product’s SDS.

24. Press the **Submit** button to save data and generate the data extraction.

25. Confirmation message displays – material is saved successfully.



26. Click the **Back** button to go back to the list. Note that the record shows a “UGD and RA” icons in the name column of the document list depicting that “User Defined Gold Data” for the Risk Assessment was extracted successfully.



TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	Abound 400 Herbicide	DowDuPont	SDS	English	Australia	Primary	21/08/2012

27. Click the **Back button** again to view the material hazard icon assigned to it in the Manifest grid.


VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIA
VENDOR TASK COPY	Abound 400 Herbicide Application Spraying and Dusting	UGD	0	20°C	low medium high	millilitres litres tonnes	daily weekly	>4hrs 1-4hrs 30-60min	0 ON	AIR OFF WATER OFF LAND OFF	REPORT CTRLDOCS

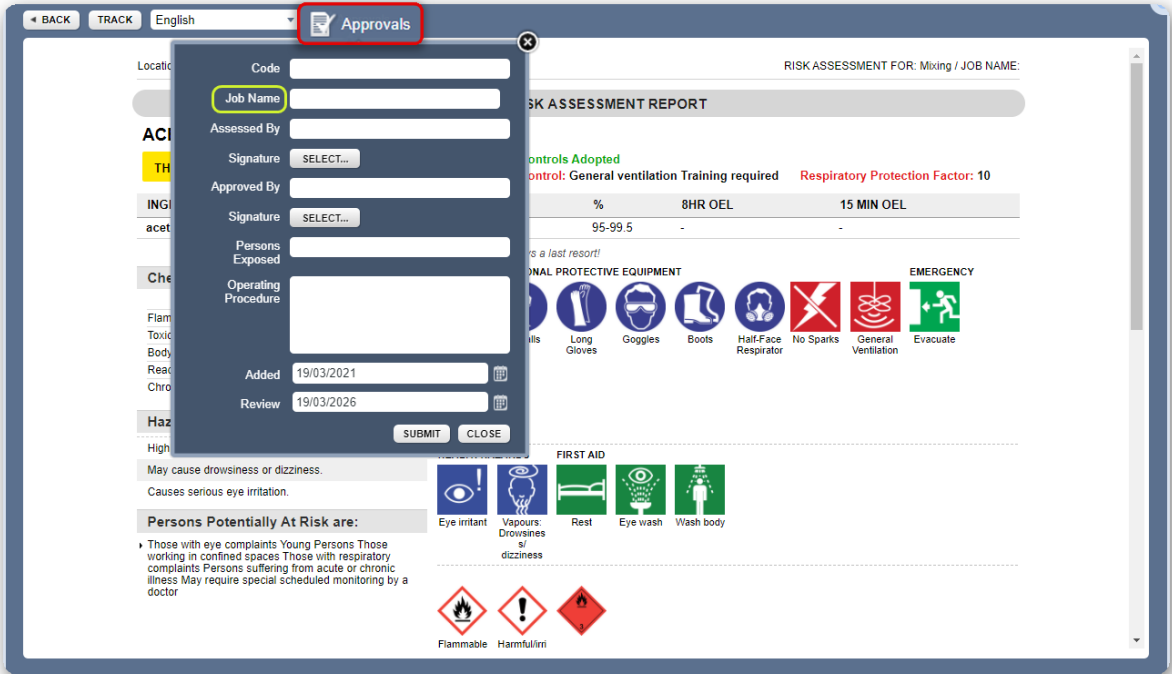
Note that the record shows a “UGD” icon in the “Material/Cat Name” column to depict that the “User defined gold data” was extracted successfully. The next steps will be to perform a risk assessment for the material using the UGD classification data.

## 4.4 Generate a Job Report

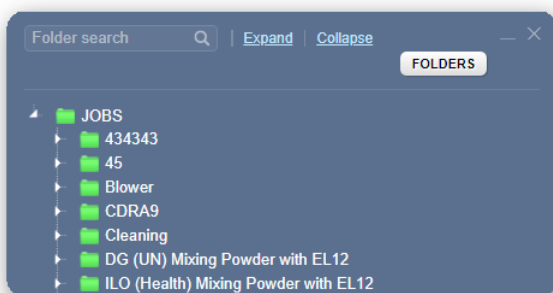
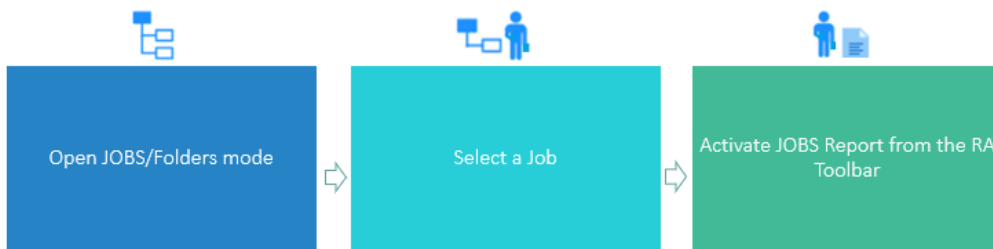
A Risk Assessment Job Report is a powerful summary of the job, entailing the work-tasks details that are relevant to the job. Risk assessments are often muddled with job safety or job hazard analysis and the major difference is the scope of work. Generally, risk assessments are used to assess hazard across the workplace and commonly involve the use of a risk matrix to prioritize the respective hazards and controls. The process may typically look at a job and break it down into smaller tasks and identifying potential hazards for each task and determine preventative measure and controls to manage those hazards. To handle such work-tasks in the system, the risk assessment module contains a subsidiary mode called **JOBS**.

ILO	UN	VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS	MATERIA
3	4	acetone Mixing	VGD Gold	✓	2	20°C	low medium high	millilitres litres tonnes	daily weekly monthly	0	AIR WATER LAND	REPORT	CLP Haz Red Tag CoC
		acetone with water no task defined	VGD Gold	⊘	2	20°C	low medium high	microlitres millilitres litres	daily weekly monthly	1	AIR WATER LAND	REPORT	CoC

Jobs are initiated by using the **Approvals**  form when viewing the risk assessment report. This feature automatically provides users with the ability to create jobs once the form is filled and submitted.

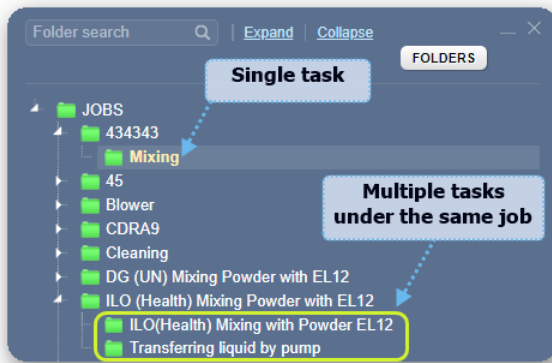


A risk assessment job pays attention to the particular work-specific risks and performed based on a single task and assessing each step of the job. The Approvals form contains specific input fields including options to upload signatures for the approval of the job. Any job created will reside in the JOBS mode and accessible via the Jobs Folder Tree.

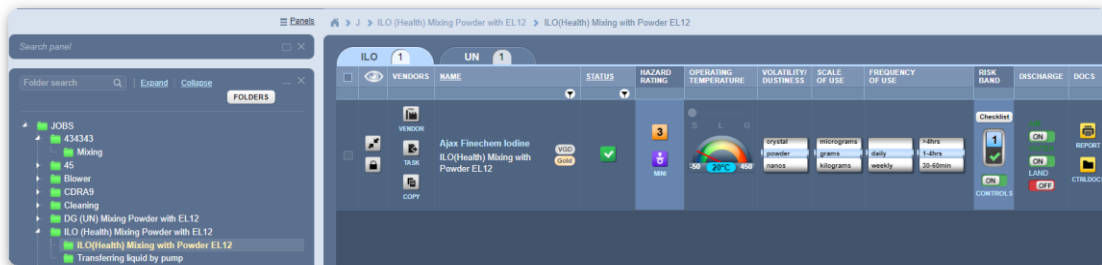




A job may contain a single task or multiple tasks.



Selecting a Job task name from the Jobs Folder tree displays the respective risk assessment.



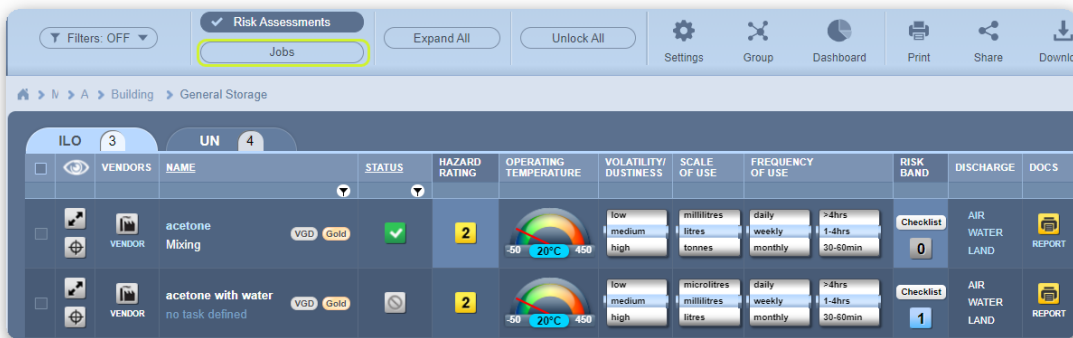
The following steps illustrate the sequence with screen capture on 'how to use the JOBS/FOLDERS mode to generate a Jobs (Process) Report. This example will follow from the previous risk assessed chemical in [Section 4.1.1](#).

Note the following prerequisites:

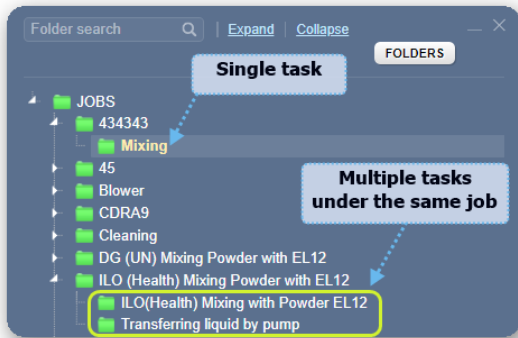
- The chemical must be risk assessed prior to accessing the jobs mode
- The risk assessment must be filled with the approval's information, in which a job will be automatically created after submitting the approval information

**Steps: Generate a Risk Assessment JOBS Report**

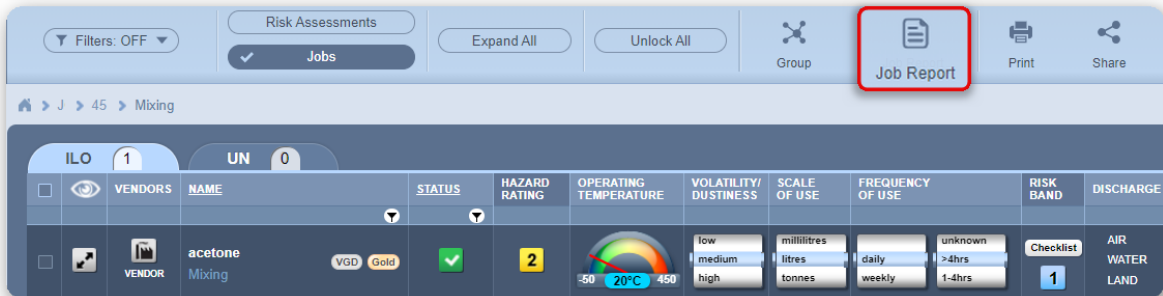
1. Press the **Jobs** button from **Risk Assessment toolbar** when viewing the chemical list.



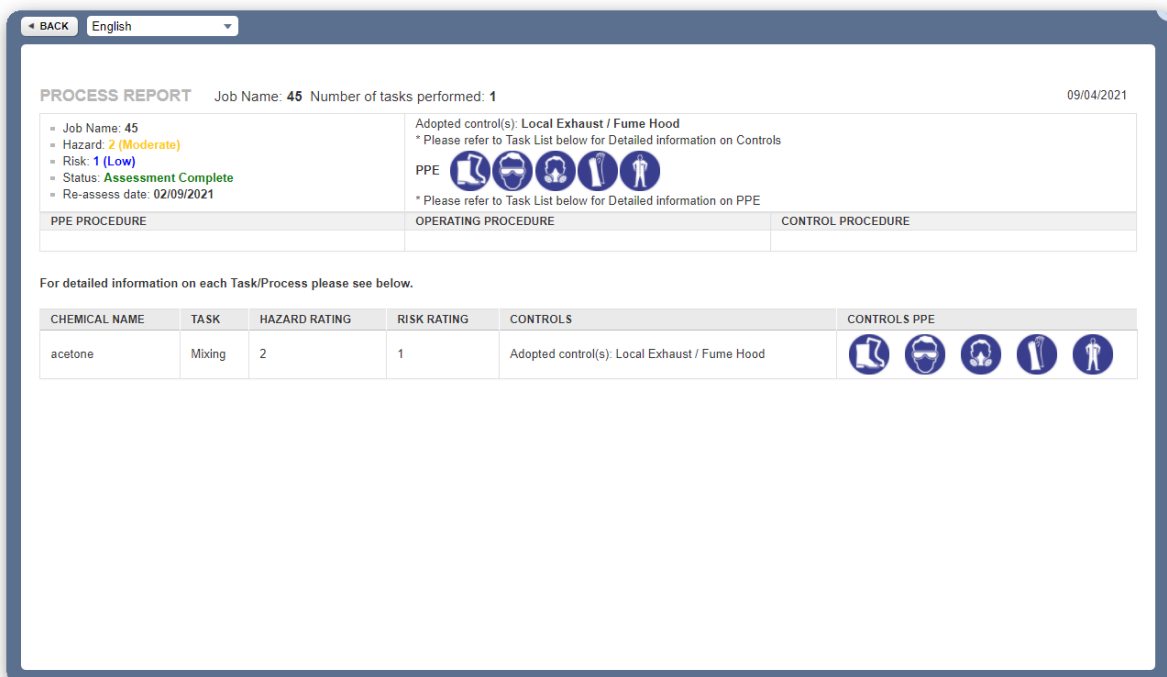
- Select the **Expand arrow** on the **JOBS** folder directory tree to view subsidiary nodes at level 1  
 e.g., Mixing.






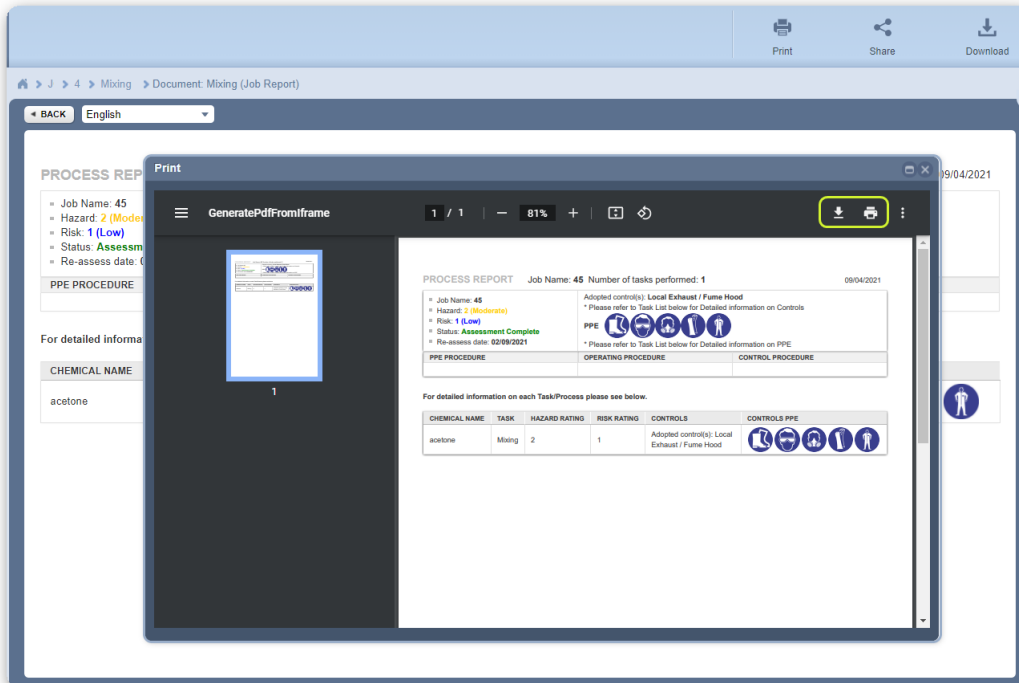
- Press the **Job Report** button from the toolbar to render the short Process Report.



**i** The Job (Process) Report contains summary information based on completed risk assessment data. This report provides the job name, number of tasks performed, hazard rating, risk band/rating, adopted controls, the task name and the date of the report.



4. Press  the **Print**,  or **Download**  button from the PSD toolbar to render the report.
5. Use the pdf Download or Print button to print or save the report to your desktop or external.



## 4.5 Right-Click Functions on Material Name in Risk Assessment Grid

### Description and Use of the “Mouse Right Click Menu” as an Edit Function

The **Right Click** functionality allows users to carry out specific tasks for each material in the risk assessment module. The table below provides a summary of the attributes of the mouse right click options available to users.

#### Risk Assessment Right Click Menu on Chemical Name

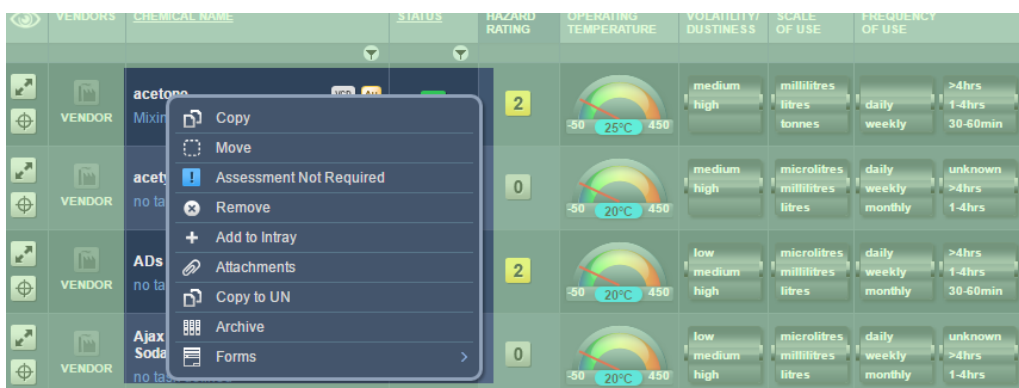
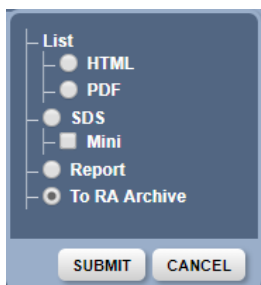


Table: Risk Assessment Mouse Right Click Menu Descriptions in ILO/UN Mode











Menu Options	Description
 Copy	Copy single or multiple risk assessment materials into the same folder or another folder. Note that a copied assessment into the same folder will add the same material but will default it to an incomplete assessment. The required action will be to complete the assessment of the copied material.
 Move	Move single or multiple materials into another folder. The risk assessed material will be moved with all the completed risk assessment parameters.
 Assessment Not Required	Select this option if the material does not require a risk assessment to be completed. For example, non-hazardous or none dangerous goods do not require a risk assessment. All material assigned this status, will show the icon  .
 Remove	Delete a single or multiple risk assessment materials. Note that if a material has been risk assessed and then removed, the material is retained and reverted to the status "Assessment Required  .
 Add to In tray	Add material into a favorite's folder called an intray. Refer to the In tray module for more information.
 Attachments	Add attachments (documents) to a material.
 Copy to UN	Copy a health risk assessed material parameters into the UN (Dangerous Goods) mode. Note that the copied risk assessed material will have status "Assessment Incomplete  .
 Archive	Provides the ability to access an archived repository of the risk assessments for later retrieval. Archive risk assessment documents are stored in pdf  format and may be downloaded (saved) or emailed  or printed    as a batch from the archive panel. Note that in order to create a risk assessment archive; the risk assessed material need to be saved as an "RA Archive Report" first using the main "Save"  function.
 Forms	Fill in an already created Form for Risk Assessments. Forms are created using the Form Builder Module. Refer to the form Builder section of this user guide.





### 4.5.1 Copy a Risk Assessment into the Same Folder

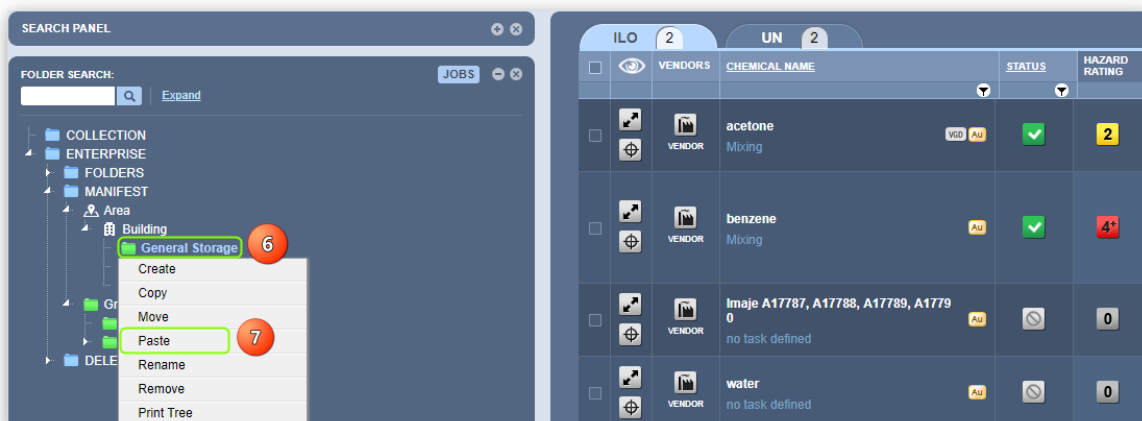
The following steps show how to copy a single risk assessment into the same folder.

#### Steps: Copy a Risk Assessment into the same Folder

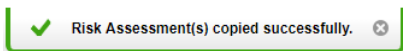
1. Select  the RA module button .
2. Select  Folder name  that contains material that is already assessed.
3. Press  the ILO/UN tab, in this case, the ILO  is selected by default
4. Use the **Mouse right click** functionality  on the risk assessed chemical name (showing status complete ) from the grid
5. Select  the **Copy** option 



6. **Mouse right click**  on the destination folder, in this case, the same folder will be used.
7. Select  the **Paste** option



 A confirmation message displays on the top middle area of the user interface.



- Press the **Destination folder** in which the chemical was copied into the same folder to view the chemical's risk assessment parameters.

	VENDORS	CHEMICAL NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	
<input type="checkbox"/>	no task defined	acetone		2		low medium high	microlitres millilitres litres	daily weekly monthly	unknown >4hrs 1-4hrs	2
<input type="checkbox"/>	Mixing	acetone		2		low medium high	millilitres litres tonnes	daily weekly	1-4hrs 30-60min <30min	0

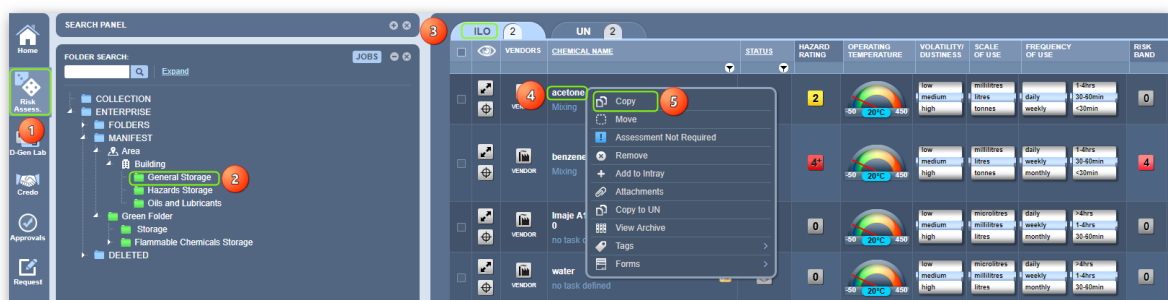
Note that the status of the copied risk assessment has changed to a question mark icon resembling status **"Assessment Incomplete"** due to the identical chemical located in the same folder. The original risk assessed chemical with the same identical chemical name, e.g., acetone, in this case, cannot have identical risk assessment parameters. Therefore, if a risk assessment (in complete status) is copied into the same folder, that copied chemical needs to be risk assessed with differing risk assessment parameters.

#### 4.5.2 Copy a Risk Assessment into Another Folder

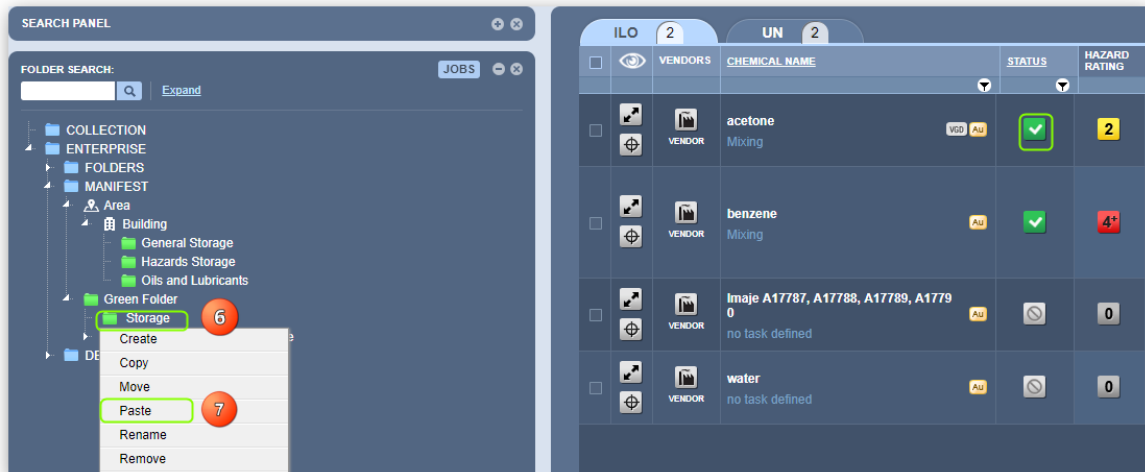
The following steps demonstrate how to copy a single risk assessment into another folder.

##### Steps: Copy a Risk Assessment into Another Folder

- Select the RA module button .
- Select folder/store name that contains material that is already assessed.
- Press the ILO/UN tab, in this case, the ILO is selected by default.
- Use the **Mouse right click** functionality on the risk assessed chemical name (showing status complete ) from the materials grid
- Select the Copy option .



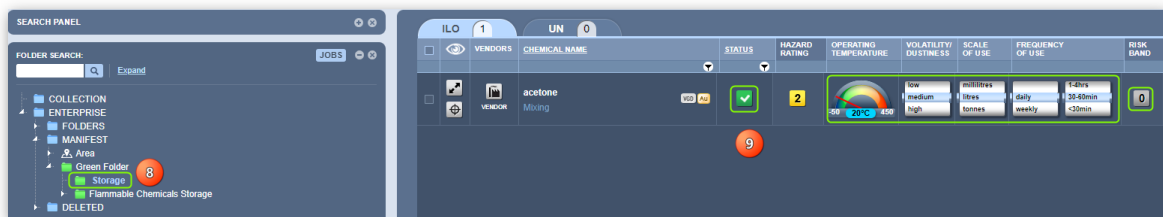
- Right click on the destination folder; in this case, another folder will be used.
- Select the Paste option.



**i** A confirmation message displays on the top middle area of the user interface.



- Press **8** the **Destination folder** in which the chemical was copied to view the chemical's risk assessment parameters.



**i** The copied risk assessed chemical will show all risk assessment parameters with the “Assessment Complete” status **9**. Note that a copied chemical risk assessment (with complete status) will show a question mark **?** status if the chemical already exists in the destination folder.

### 4.5.3 Move a Risk Assessment into Another Folder

The following steps illustrate **how to move a single risk assessment into another folder.**

#### Steps: Move a Risk Assessment into another Folder

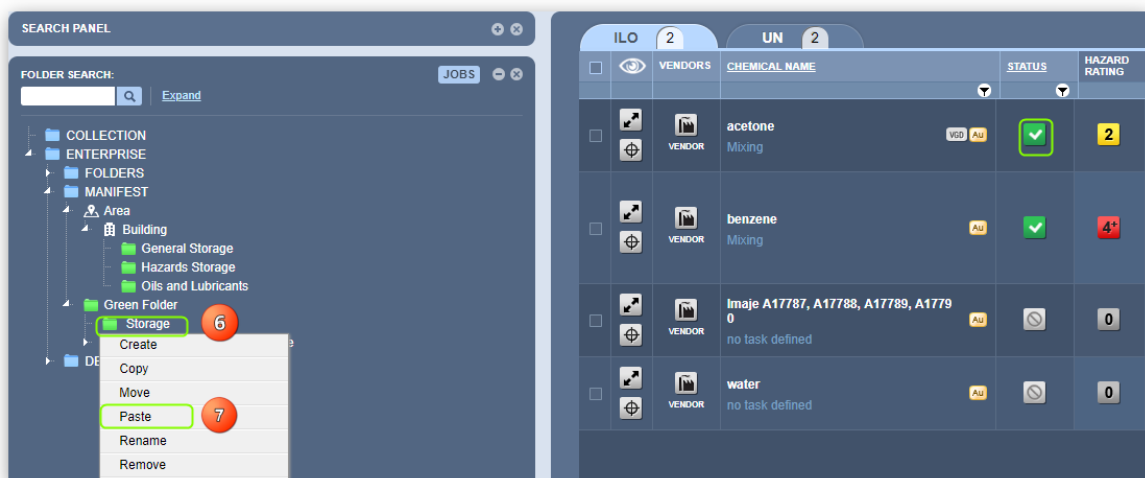
- Select **1** the **RA module button**
- Select **2** **Folder name** that contains material that is already assessed.
- Press **3** the **ILO/UN tab**, in this case, the ILO **ILO** is selected by default.
- Use the **Mouse right click** functionality on the risk assessed chemical name (showing status “Complete **4**”) from the grid.

5. Select the **Move** option.

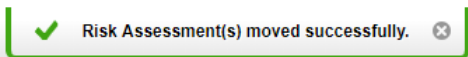


6. Right click on the destination folder; in this case, another folder will be used.

7. Select the **Paste** option.



**i** A confirmation message displays on the top middle area of the user interface.



8. Press the **Destination folder** to view the moved chemical's risk assessment parameters.








**i** Note that the original risk assessment had a status complete **Assessment Complete** at the source folder; however, once the risk assessment has been moved into another folder, the original one's status will be set to **Assessment Required**. The risk assessment that has been moved into another folder maintains the same risk assessment status **Assessment Complete**.



#### 4.5.4 Remove a Risk Assessment from a Folder

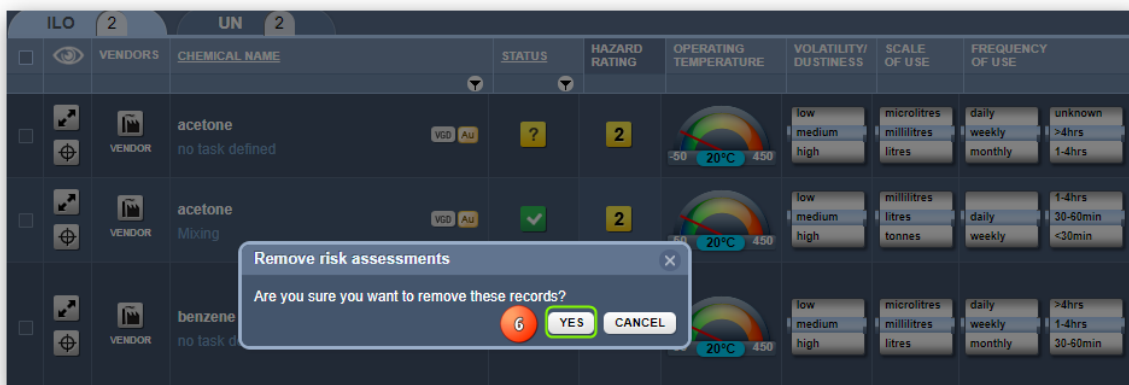
The following steps illustrate how to remove a single risk assessment from a folder.


##### Steps: Remove a Risk Assessment from a Folder

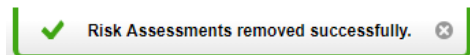
1. Select the RA module button .
2. Select Folder name  that contains material that is already assessed.
3. Press the ILO/UN tab, in this case, the ILO  is selected by default.
4. Use the Mouse right click functionality  on the risk assessed chemical name. (showing status complete ) from the grid.
5. Select the Remove option.




6. Select the Yes button to confirm deleting the risk assessment for the chemical.



 A confirmation message displays on the top middle area of the user interface.





Note that the chemical risk assessment will be removed. The complete status will be defaulted back to Assessment Required .



## 4.6 Create an Archive for the Risk Assessment Report

The following steps show how to archive a risk assessment report.

**Steps:** Create an Archive for the Risk Assessment Report

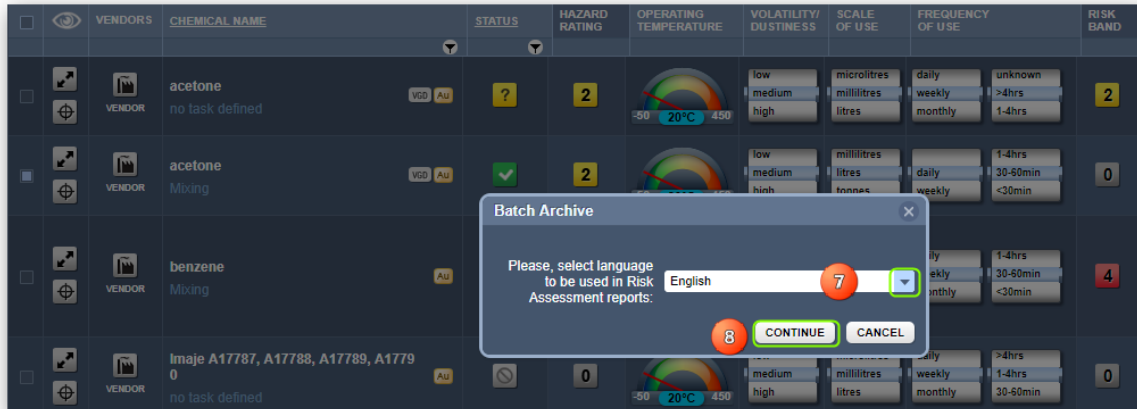
1. Select  the RA module button .
2. Select  Folder name  that contains assessed materials.



3. Select  the **Checkbox**  for the material (chemical name) to be saved to RA Archive.
4. Click  the **Save** button from the RA task bar.
5. Select  the radio button  **“To RA Archive”** to save risk assessment report to archive repository.
6. Press  the **Submit** button.

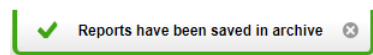


7. Select  the **Language** to be used in the risk assessment report, e.g., English.



8. Press the **Continue** button to save the report.

A confirmation message displays that the risk assessment report has been archived.



9. **Right click** on the chemical name that has been archived.

10. Select **View Archive** option from the options.



11. Click on a single or multiple **Checkbox(es)** next to the archive date(s).

12. Press the **Print** , **Download** or **Email** button from the archive window.

VENDORS	NAME	STATUS	HAZARD RATING	OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE	RISK BAND	DISCHARGE	DOCS
acetone	Mixing	VGD Gold	2	20°C	low medium high	millilitres litres tonnes	daily weekly monthly	>4hrs 1-4hrs 30-60min	Checklist 0	AIR WATER LAND REPORT
acetone					low medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	Checklist 1	AIR WATER LAND REPORT
crystal powder					low medium high	micrograms grams kilograms	daily weekly monthly	>4hrs 1-4hrs 30-60min	Checklist 0	AIR WATER LAND REPORT
nanos					medium high	microlitres millilitres litres	daily weekly monthly	>4hrs 1-4hrs 30-60min	Checklist 1	AIR WATER LAND REPORT
low medium high					low medium high	millilitres litres tonnes	weekly monthly >monthly	1-4hrs 30-60min <30min	Checklist 1	AIR WATER LAND REPORT

- The archived risk assessment report is rendered. Use the “Print”, Save or Email function to generate the report. The Print option shown below in PDF reader.
- Select the Close button to close the archive and report windows respectively.

**Archive Report**

GetReportsForPrintArchive 1 / 1 | 67% | [Download] [Print] [Menu]

Location: General Storage RISK ASSESSMENT FOR: Mixing / JOB NAME

**HEALTH RISK ASSESSMENT REPORT**

**ACETONE Liquid**

THE HAZARD 2 Moderate THE RISK 0 Minimum Controls Adopted Control: General ventilation Training required Respiratory Protection Factor: 10

INGREDIENTS	CAS NO	%	BHR OEL	15 MIN OEL
acetone	67-64-1	95-99.5	-	-

ChemWatch Hazard Ratings

Flammability 3 High Toxicity 1 Low Body Contact 2 Moderate Reactivity 1 High Chronic 0

Hazard statement(s): Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation.

Persons Potentially At Risk are: Those with eye complaints. Young Persons. Those working in confined spaces. Those with respiratory complaints. Persons suffering from acute or chronic illness. May require special scheduled monitoring by a doctor.

Precautionary statement(s): Prevention. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only outdoors or in a well-ventilated area. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting intrinsically safe equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist/vapour/spray.

Precautionary statement(s): Response. In case of fire: Use alcohol resistant foam or normal protein foam for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with water/shower.

## 4.7 Risk Assessment Dashboard

### Risk Assessment Dashboard

- Use widgets to generate statistical and graphical data
- Edit layout
- Select Date

#### Dashboard Widgets

Add widgets;

- Age of Risk Assessments
- Risk Assessments By Date
- ILO Risk Rating
- UN Risk Rating

Add widgets;






- ILO Hazard Rating
- UN Hazard Rating
- ILO Risk Assessment By Status
- UN Risk Assess





#### What is a Risk Assessment Dashboard?

A dashboard is a simplified way of accessing real-time data through widgets. The information is displayed as statistical data using graphs, pie charts and tables.




### Recap

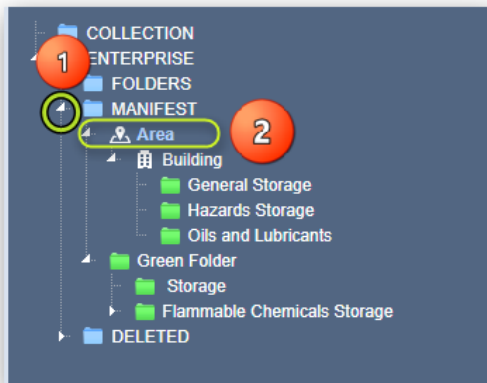
Component	Attribute	Use	Expectation
	Use widgets to generate statistical data using graphs  , pie charts  and tables  .	Generate statistical reports for management reviews and reporting on current status of chemicals, hazards, users and many more...	 Users must be granted privileges to use the dashboard feature

In this worked example, the **Risk Assessment Dashboard**  reports will be generated from the Area folder node  under the Manifest Directory.

#### Steps: Generate a Risk Assessment Dashboard Report

In the **Home** module button  (if it's not already the default module);

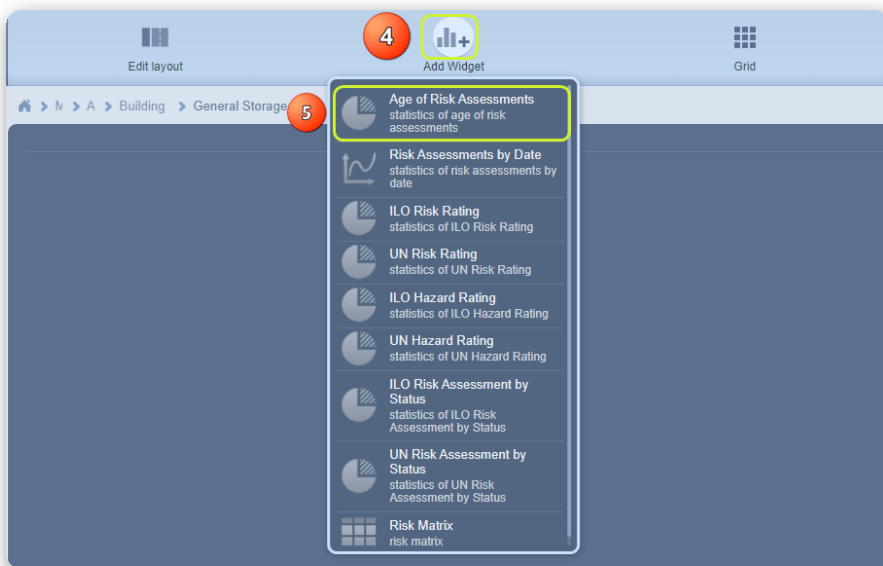
1. **Expand**  the Manifest directory nodes to view the folder location, e.g., Area node at level 1.
2. Press  the **Folder name**. to display the risk assessment chemical list grid .



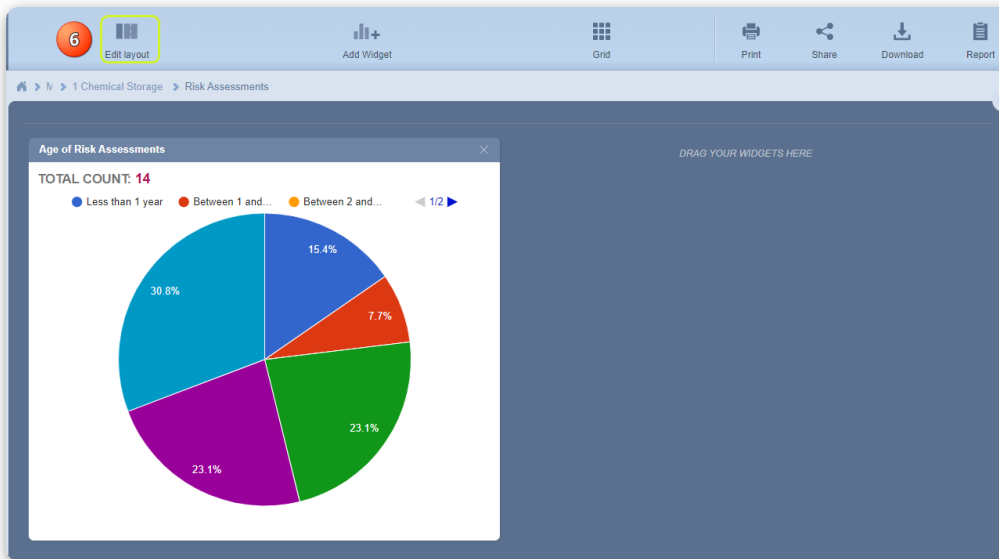
- Click the **Dashboard** button from the risk assessment toolbar to open the dashboard window.



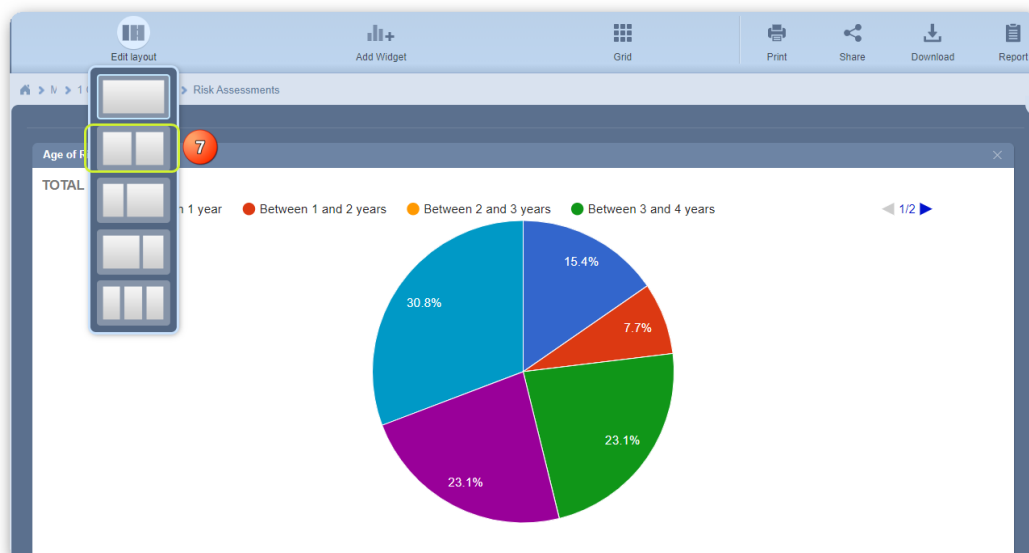
- Select the **Add Widget** button to open the widgets options.
- Select a **Widget**, e.g., Age of Risk Assessments.



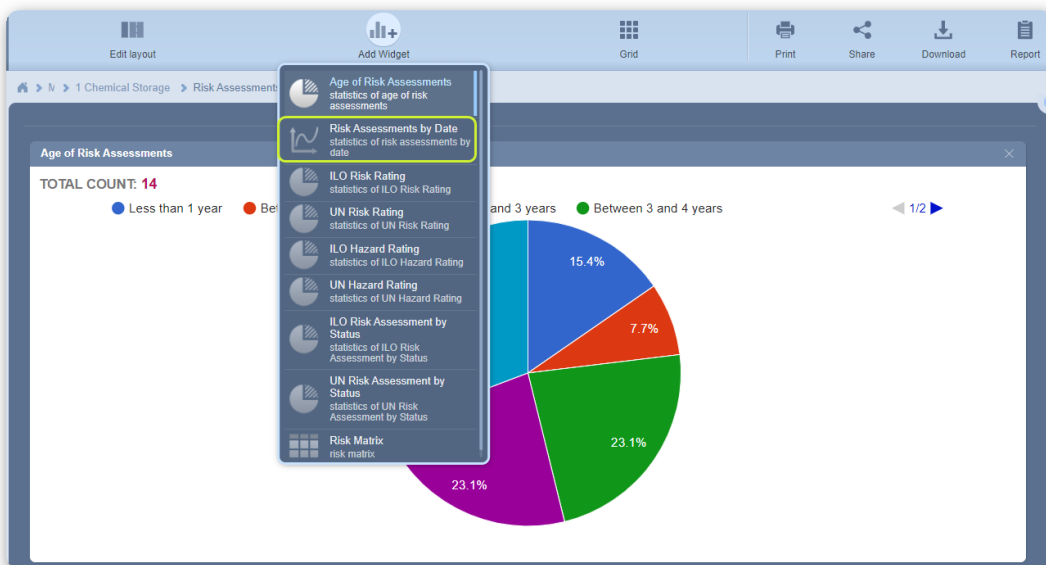
- Edit the layout of the report.





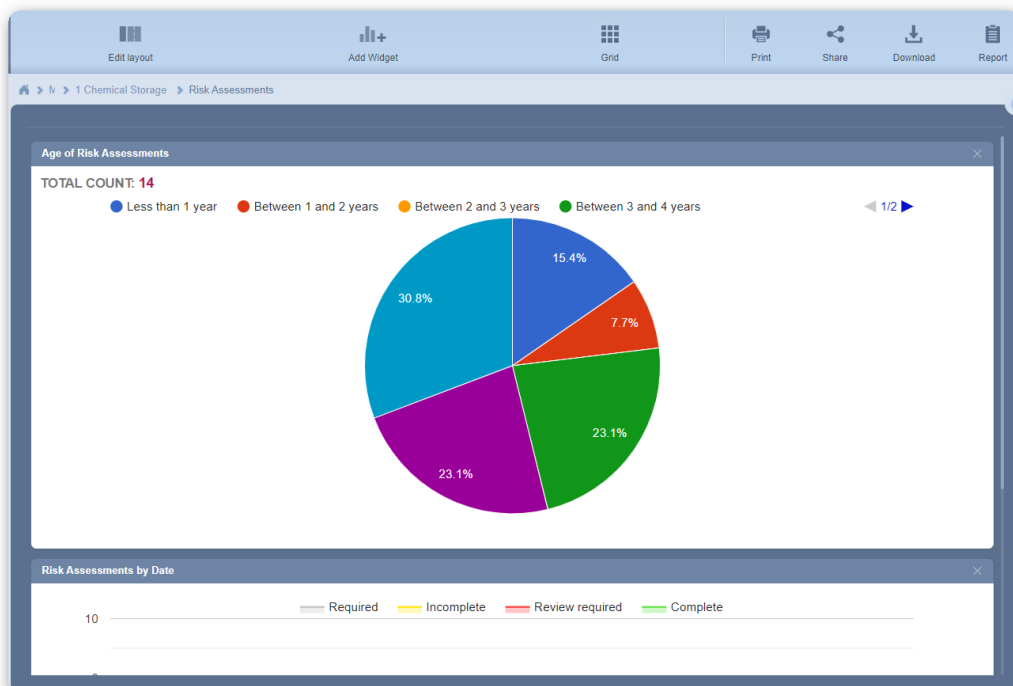
7. Select  a layout option; **single layer**, two or more layers from the drop-down segments.





8. The **pie chart** report renders the statistics of age of risk assessment in **landscape** layout
9. Select  the **Add Widget** button to open the widgets options again.
10. Select  another **Widget**.

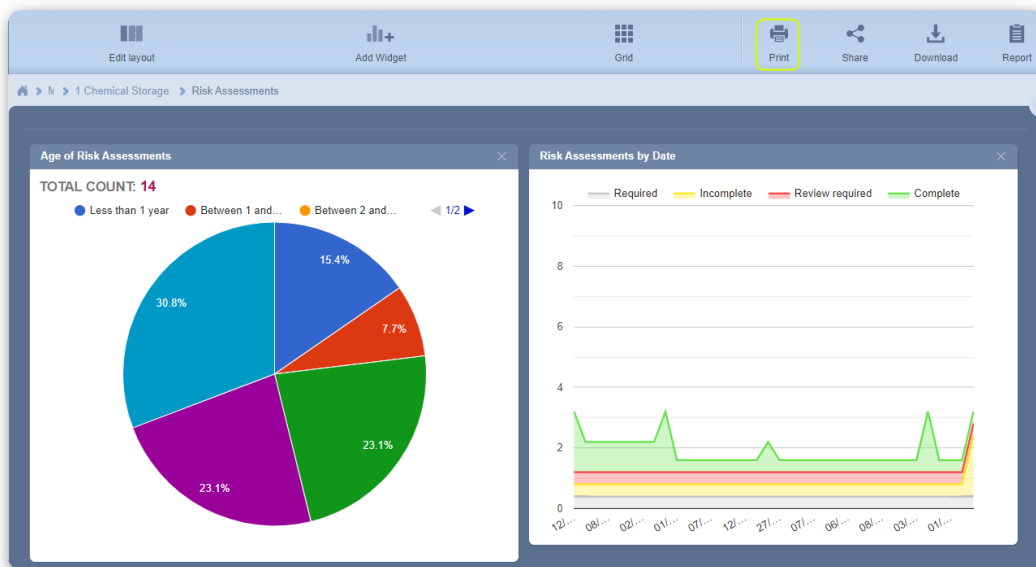


11. The current layout (landscape) hides part of the pie chart. Therefore, there's a need to either scroll down the page or simply change the layout to two layers per page for better display of both the widget reports. Press the **Edit Layout** .
12. Select  a layout option; **two layers per page** from the drop-down segments.

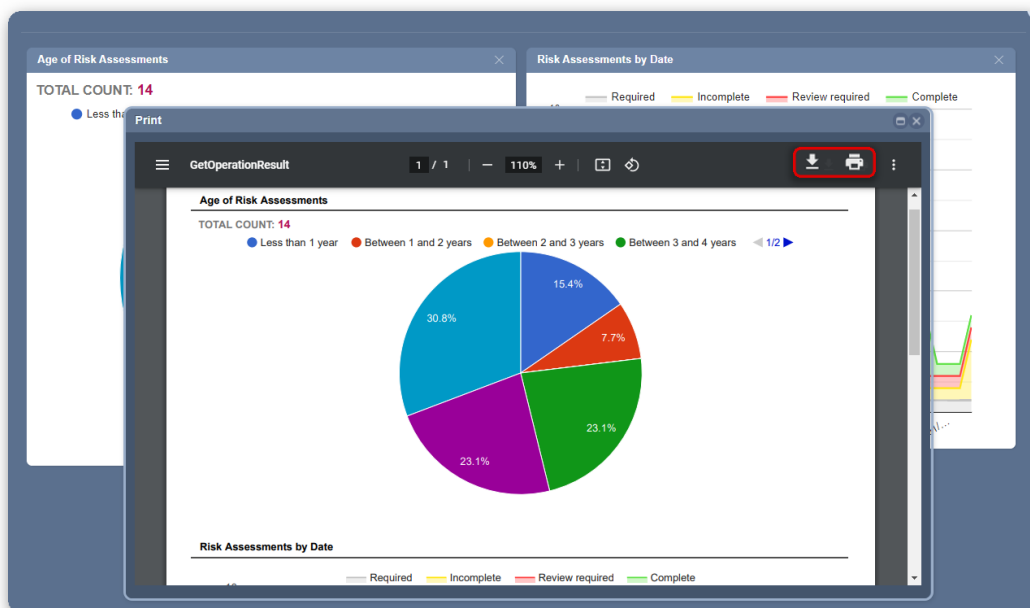


13. The current two layers displayed, hides part of the graph. Therefore, there's a need to either scroll down the page or simply drag the second layout to the top right widget's report area. Click  and hold the **widget graph layer** and drag  it towards the widget's report area to reposition it.





- Click the **Print** icon, to generate the report in pdf format.
- Use the **Print** or **Download** option and then print or save the report.



- Close the print window and click on the **Grid** button to view the chemical list.

**i** The **Grid button** when selected goes back to the products list. Find more details in the appendix about widgets descriptions and examples of the various types of reports for reference.


## 5.0 Document Generator for Labels (DGEN)

This chapter will cover the following objectives:

- The importance of a chemical label at the workplace
- What information must be incorporated into a label
- How to generate a label using the Chemwatch default label templates
- How to create a new label template
- How to use the various datapoints to input label fields
- How to save a newly created label template
- How to generate a label from a user defined label template
- How to edit label information
- How to fill label information
- How to generate a label in pdf format
- How to print or download a label




### Why is a Label so important at the workplace

A **Label**  is used to identify a substance or a chemical in a container. It is often the initial source of information, presented in a written and or graphic form and is attached or on the outside face of a container. The label enables an employee to identify the hazard and qualities of the contents in a container. It is important to determine the specific purpose of the label. Is the label for a product used within the organisation only or for products to be sold commercially? If intended for sale, will the product be used domestically or industrially? This will affect the information that is required by legislation to appear on a chemical container. One of the main requirements is to ensure the label is clear, concise and legible to ensure an employee understands the information that appears and that it also complies with the labelling regulations.

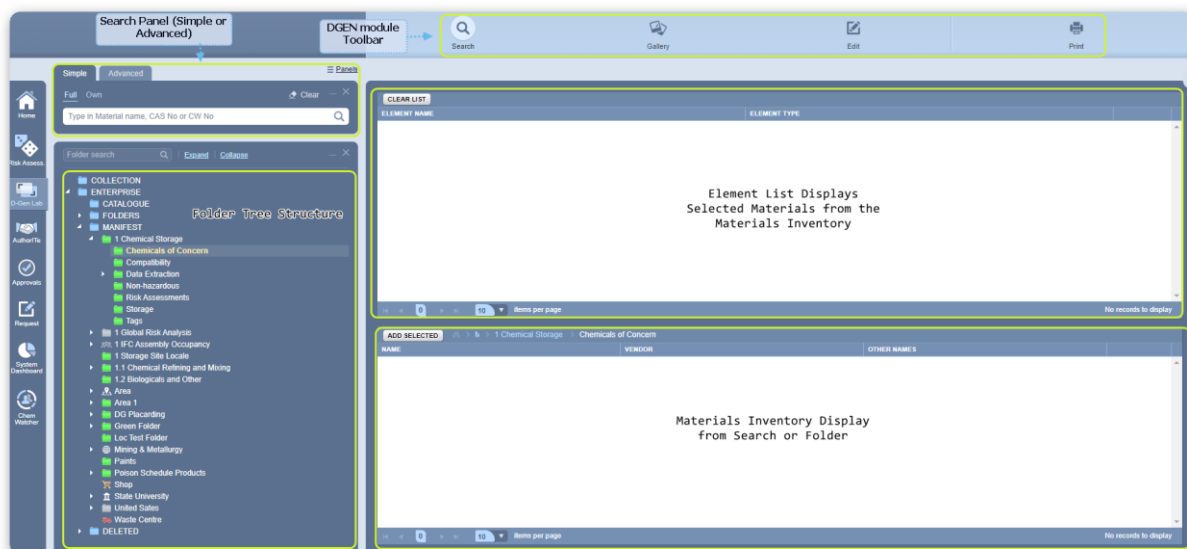
### What information must be incorporated into a label


Special labelling situations are considered where the full labelling requirements do not apply such as small containers. Hazardous chemicals that are supplied in such containers are samples for analysis, decanted or transferred, not explosive articles, etc.; are permitted under the WHS Regulations to use reduced labelling. General label information includes;

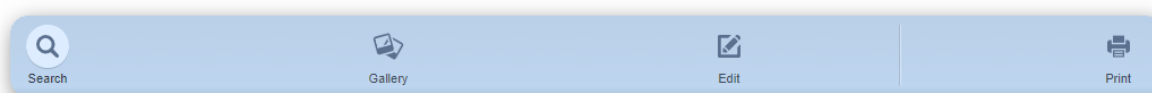
- Language written in English
- Product identifier
- Manufacturer or Supplier's name, address and business telephone  number
- Identify and proportion disclosed (composition%) in accordance with Schedule 8 for each ingredient
- Hazard pictogram(s) applicable to the correct classification of the chemical (GHS)

pictogram)

- Hazard statement(s), signal word, precautionary statement(s) consistent with the applicable classification of the chemical
- Hazards first aid, emergency procedures
- Expiry date of the chemical where applicable



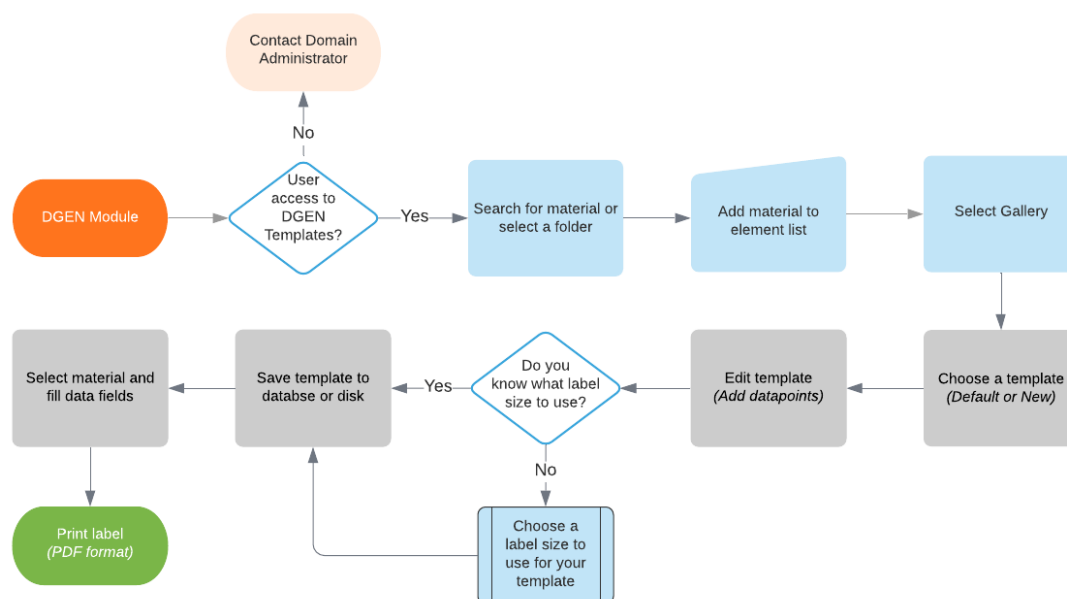
The **DGEN module** provides users the ability to create label templates  or scientific document templates that can be used to generate labels or documents based on datapoints assigned to the templates. This module contains a toolbar at the top layer of the user interface enables to search for materials, select a template to use, edit existing templates and generate labels for printing, download or sharing purposes.



Button	Feature	Description
	Search	Search for materials
	Gallery	Chemwatch default templates, customise default templates or create new label templates or new scientific documents
	Edit	Edit and save label template to database or disk
	Print	Fill in data and print label

The general activity flow for creating templates is illustrated in the chart below.

## DGEN Flowchart – Creating a Label



The following topics will illustrate the steps on how to use the DGEN module to create labels.

- Generate labels using default Chemwatch templates
- Save a Chemwatch template and edit a label
- Create a new template and generate a label for a chemical

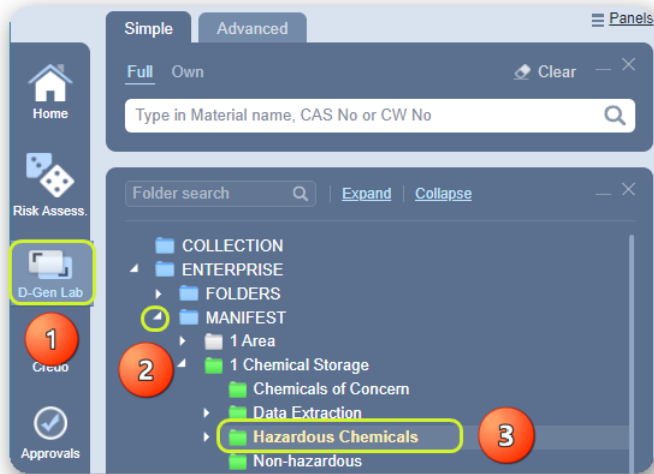


## 5.1 Generate a Label using a Default Template

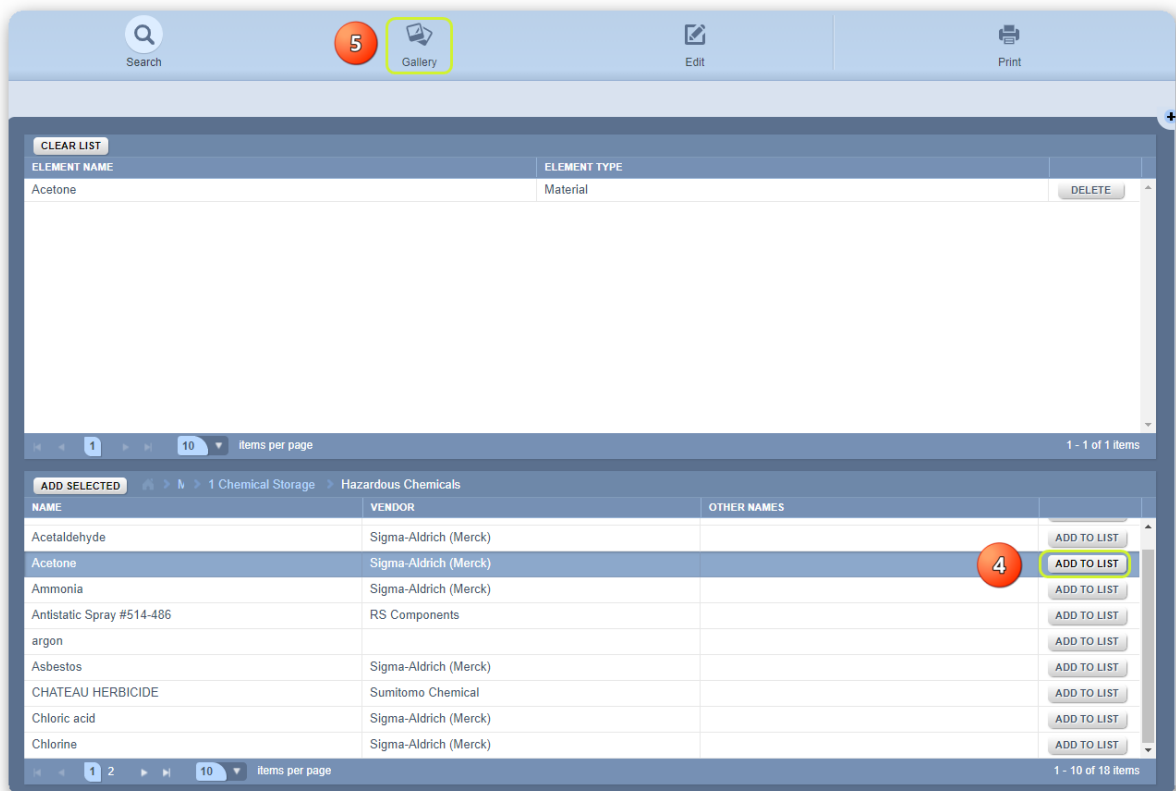
The following steps on **how to generate a label from a default Chemwatch template**. In this worked example, the label information will be rendered using a chemical located in a folder at level 3 under the Manifest Directory within the tree structure.

### Steps: Generate a Label using a Chemwatch Default Label Template


1. Press the **DGEN module button** (if it's not already the default module).
2. **Expand** Manifest Directory nodes to view the folder location, e.g., level 3 Location node
3. Press the **Folder** name where materials are stored. Take note that the chemical list grid defaults to Name of the material(s) and Add to List button for each row.





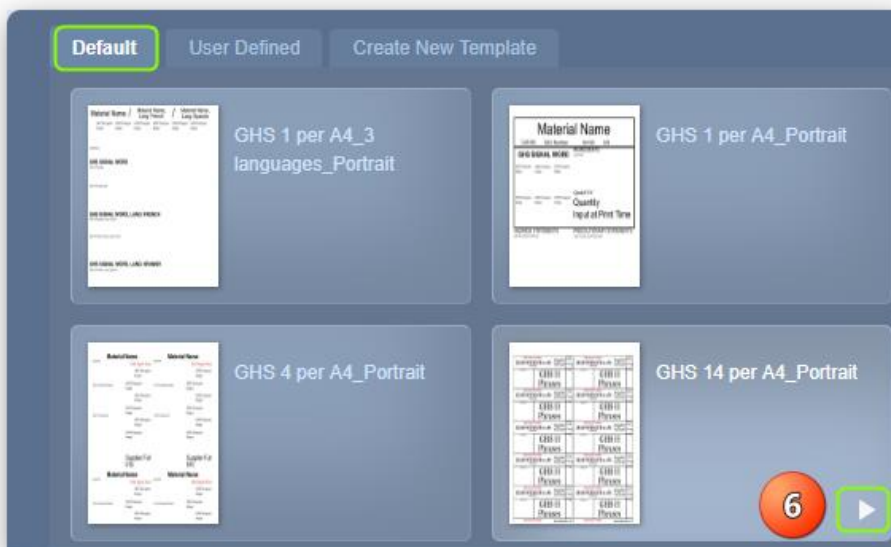
- Click the **Add to List** button **ADD TO LIST** on the last column in the material list grid.



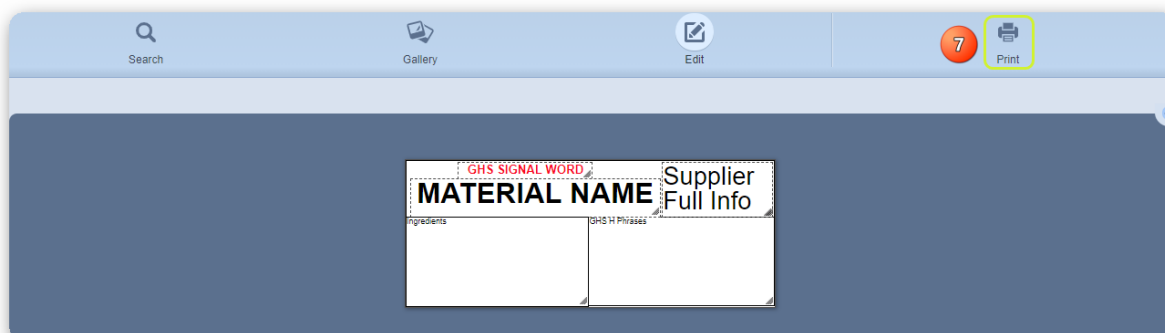
**i** Note that the chemical name will be displayed in the Element List pane.

- Press the **Gallery** button from the toolbar.
- The default tab displays label thumbnails for a variety of Chemwatch Templates . In this case, the GHS 14 per A4\_Portrait template will be selected to generate a label for the

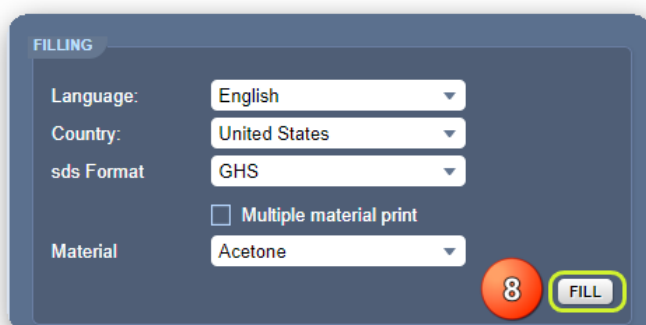
chemical. **Hover your mouse pointer**  on the label thumbnail and press  the **forward arrow** button when it appears on the bottom right corner of the thumbnails window.



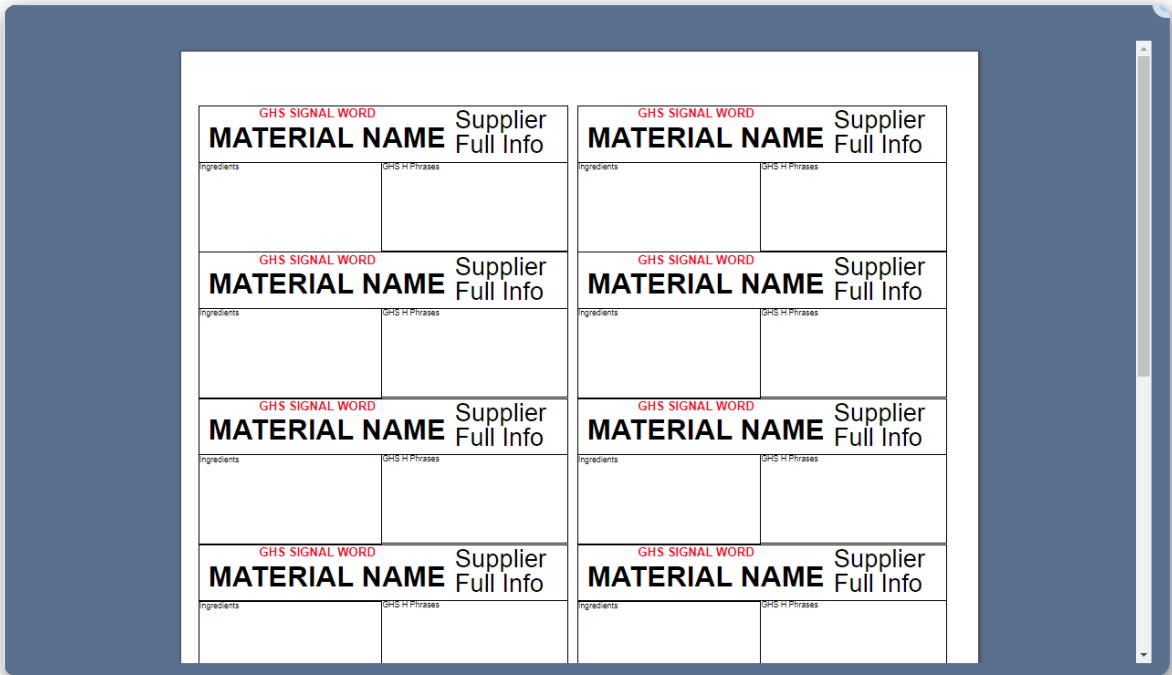
7. Press  the **Print** button.



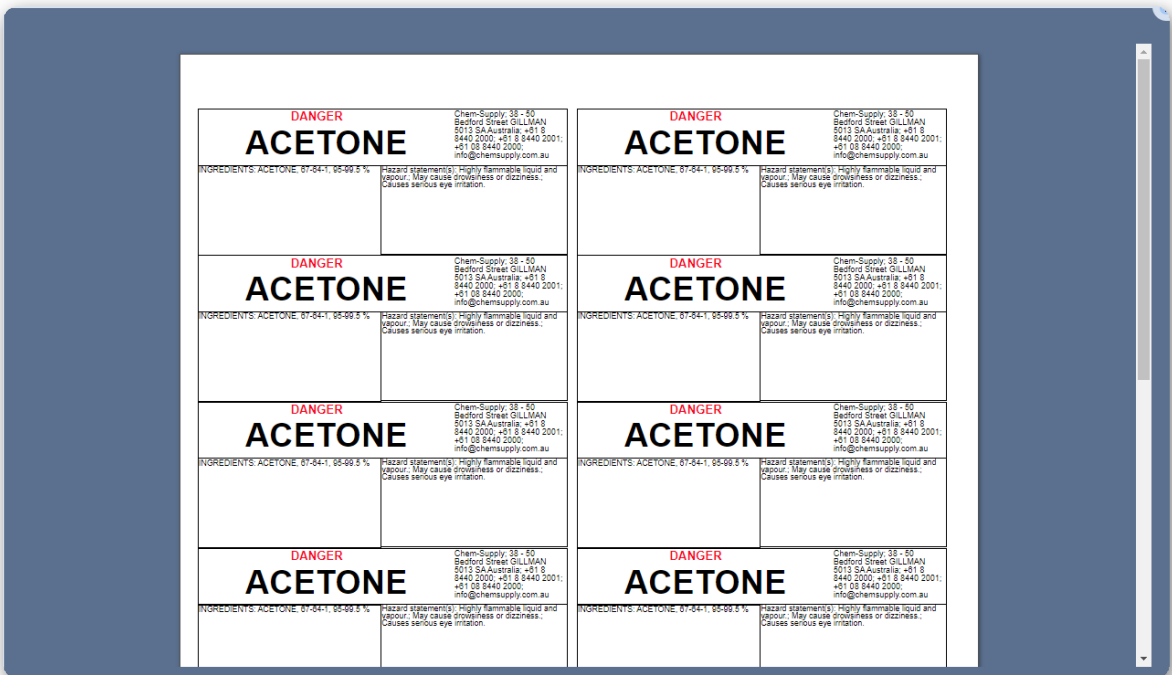
8. Select  the **Fill** button on the Filling pane.



 The default selected template for GHS 14 labels per A4 page will look like the one below showing the respective templates datapoint fields.



**i** The **filled** default label template for GHS 14 labels per A4 page will look like the one shown below.



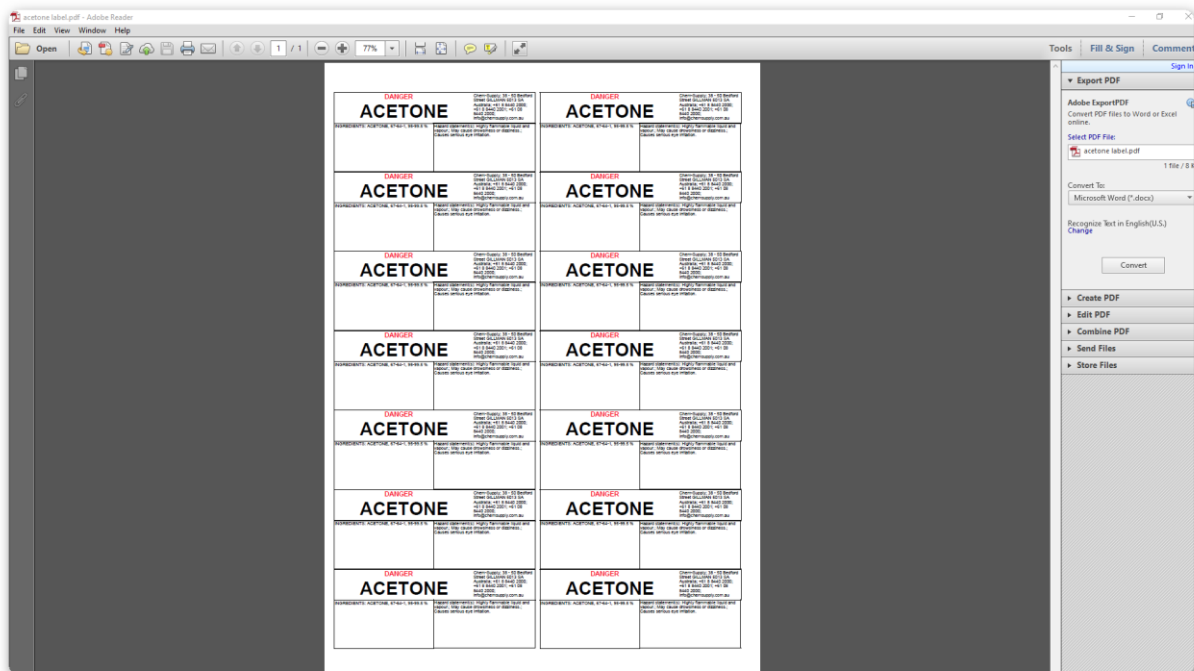
- Press the **Print** or **Save PDF** button on the print options at the bottom window pane. You may adjust the label margins, horizontal & vertical spaces.



10. Press  the print button or **Downloaded label.pdf**  file from the task bar to open it



11. Choose a **file location** from the desktop/laptop to save the report if your desktop is not automatically set to download files to the downloads folder and once downloaded, open the label in pdf reader.







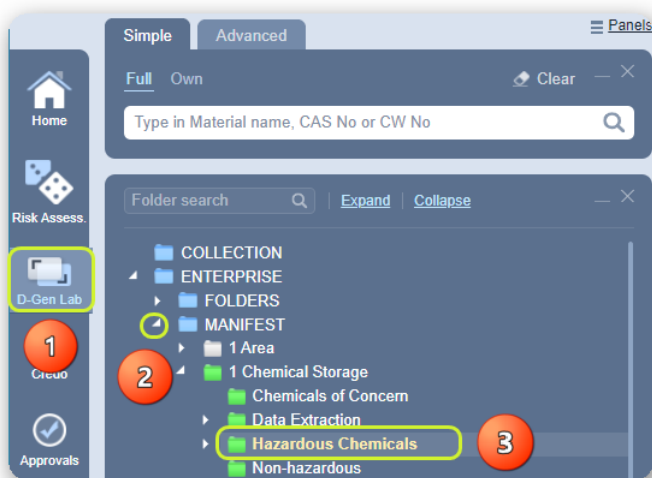



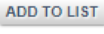
## 5.2 Create a New a Label Template and Generate Report

The following steps show how to create a new label template  using the DGEN module.

### Steps: Create a New Label Template and Generate a Report

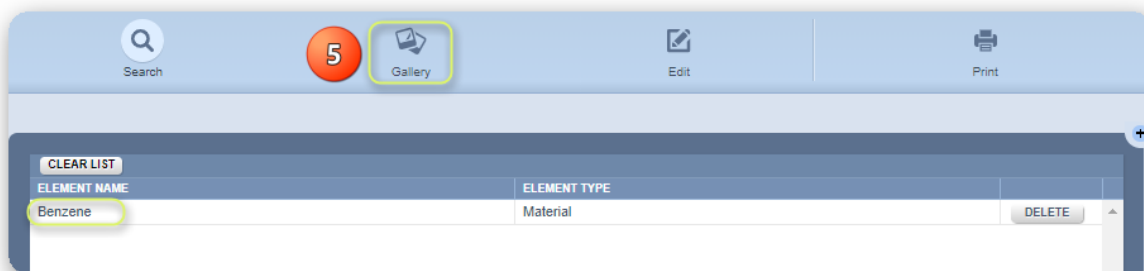
1. Press  the **DGEN module button** (if it's not already the default module)
2. **Expand**  Manifest Directory nodes to view the folder location, e.g., level 3 Location node
3. Press  the **Folder name**. Take note that the chemical list grid  defaults to Name of the material(s) and Add to List button for each row



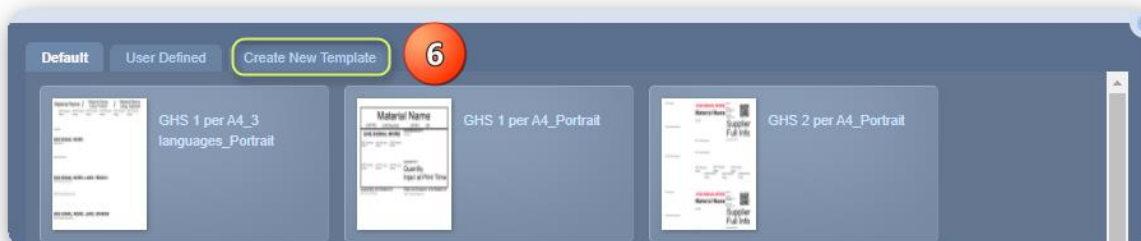
4. Click  the **Add to List** button  on the last column in the chemical list grid. Note that the chemical name will be displayed in the Element List pane.

NAME	VENDOR	OTHER NAMES	
2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C	Sigma-Aldrich (Merck)		ADD TO LIST
5040 Indexflüssigkeit	AGR International		ADD TO LIST
acetone-D6	Merck		ADD TO LIST
BATTERY ACID	Johnson Controls		ADD TO LIST
Benzene	Sigma-Aldrich (Merck)		ADD TO LIST
chloroform	Sigma-Aldrich (Merck)		ADD TO LIST
CHLOROFORM SINGLE COMPONENT STANDARD FOR EPA METHODS	Sigma-Aldrich (Merck)		ADD TO LIST
CLARITI PART A			ADD TO LIST
coal tar	Multiple		ADD TO LIST

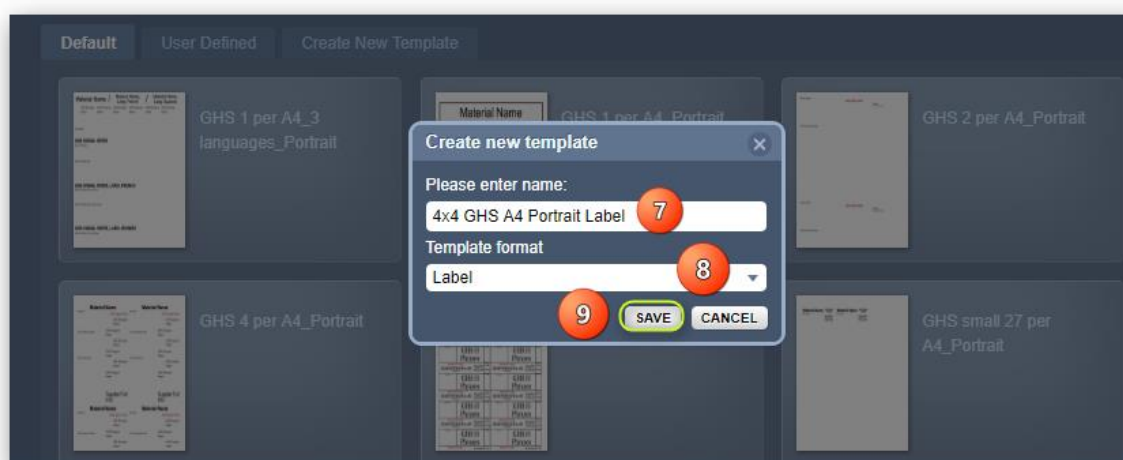
5. Press  the **Gallery** button from the toolbar.



- Press the **Create New Template** tab.



- Type the new **Label Name** in the free text field .
- Select the **drop-down arrow** from the **Template Format** field.
- Click the **Save** button to create a blank A4 size label template.

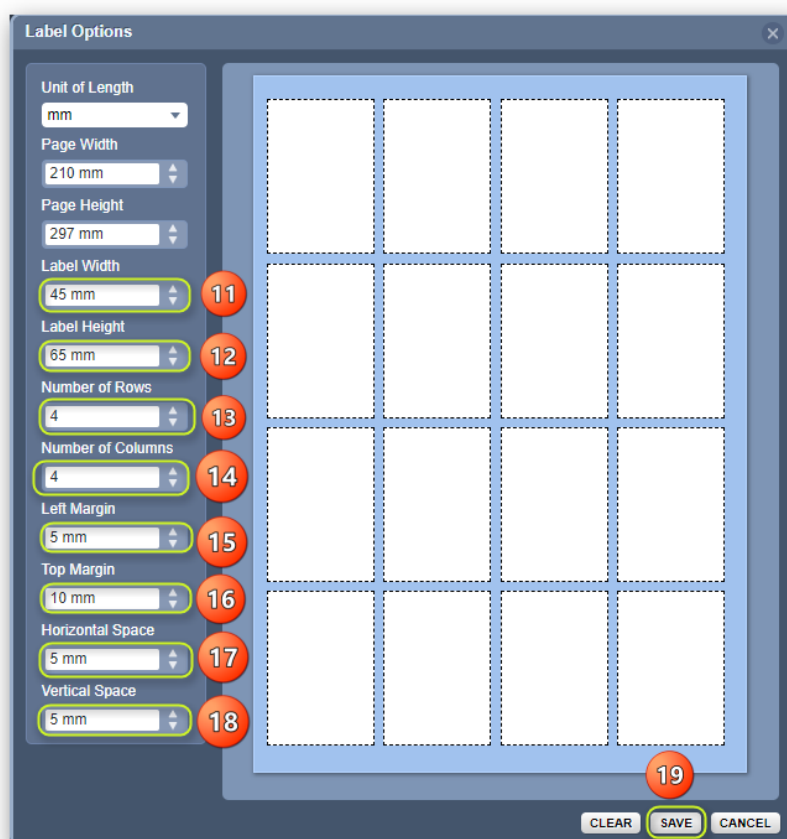



A confirmation message will display for a few seconds in the middle top area of the user interface.

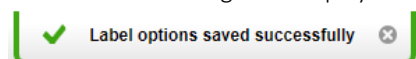
- The default label size is set to an A4 page height = 297mm and width= 210mm. In this case, the A4 page must fit an 4x4 label A4 page. In this scenario, a label of size 65mm (label height) x50mm (label width) will fit an A4 page 4x4 labels. Click the **Change** button to set parameters for each label from the Label Options panel.







11. Click the label width text field and enter the **Label Height** of 65mm
12. Click the label height text field and enter the **Label Width** of 45mm
13. Click the **Number of Rows** upward arrow to set 4 rows
14. Click the **Number of Columns** upward arrow to set 4 columns
15. Click the **Left Margin** text field and type the margin value, e.g. set it to 5mm
16. Click the **Top Margin** text field and type the margin value, e.g. set it to 10mm
17. Click the **Horizontal Space** text field and type the value, e.g. set it to 5mm
18. Click the **Vertical Space** text field and type the value, e.g. set it to 5mm
19. Click the **Save** button to create a blank label template of the size; 65mmx50mm



 The total number of labels per A4 page in this worked example template will have 4x4=16 labels. A confirmation message will display for a few seconds from the top middle area of the user interface.






The following steps show **how to create a new label template** . The basic information generally required in a label  can include the following datapoints; however, some information may vary in other countries.

Label Information	DGEN Datapoint Field
Product identifier	Product Name
Language written in English	Default language, e.g., English
Manufacturer or Supplier's name, address and business telephone  number	Vendor name, address, telephone  number
Identity and proportion disclosed (composition%)	Ingredient(s)
Hazard pictogram(s)	GHS pictogram(s)
Hazard Statement, signal word, precautionary statement(s)	Hazard Statement, signal word, precautionary statement(s)
Hazards first aid, emergency procedures	First aid, emergency information
Expiry date of the chemical	Expiry date – if not available, a custom field can be created for user free text

The created 4x4 label template will be used to create label datapoints fields as per the listed DGEN information from the table above.

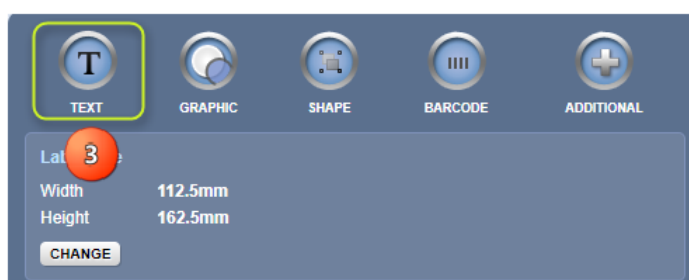
#### Steps: Create Label Datapoints as per DGEN Information



1. Drag the **zoom horizontal marker** towards the right to increase label template size or simply click  on the forward arrow  to set the desired zoom level.

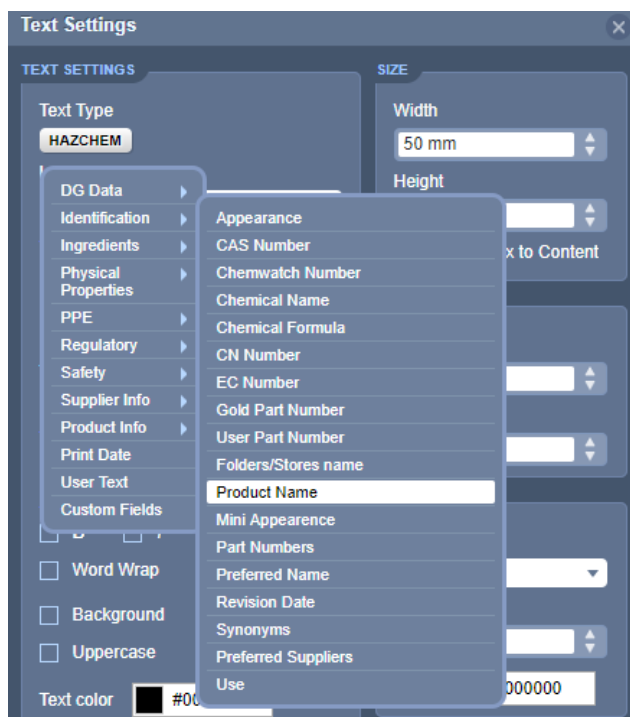
2. Select the **Show Grid checkbox** and drag the **zoom horizontal marker** towards the right to show the grid on the label template size or simply click on the forward arrow  to set the desired grid level.





3. Press  the **Text** button to open the Text Settings panel.

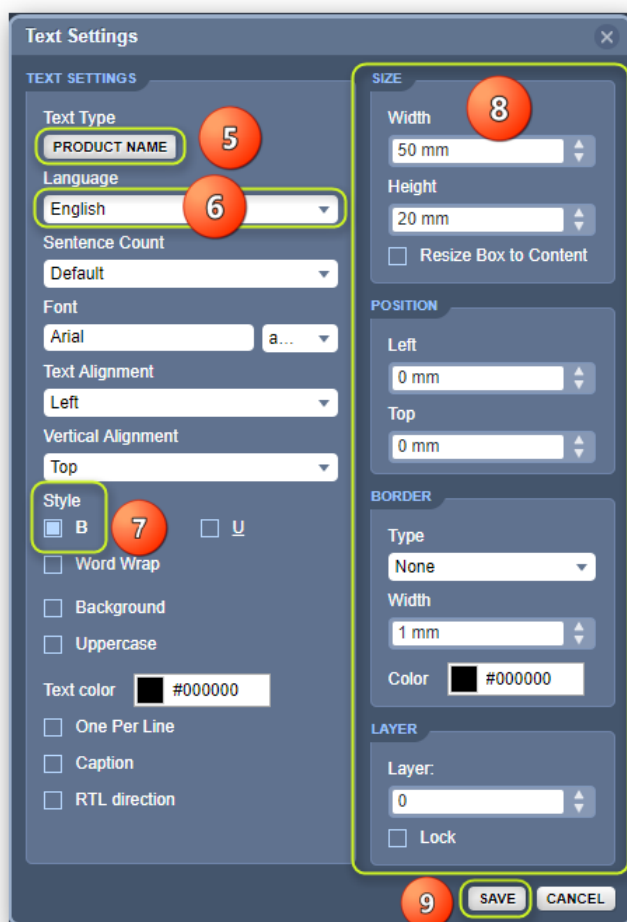


4. Press  the **Hazchem** button to choose the required datapoint, e.g., Product Name.
5. Select  the **Identification** datapoint to choose the required datapoint, e.g., Product Name.

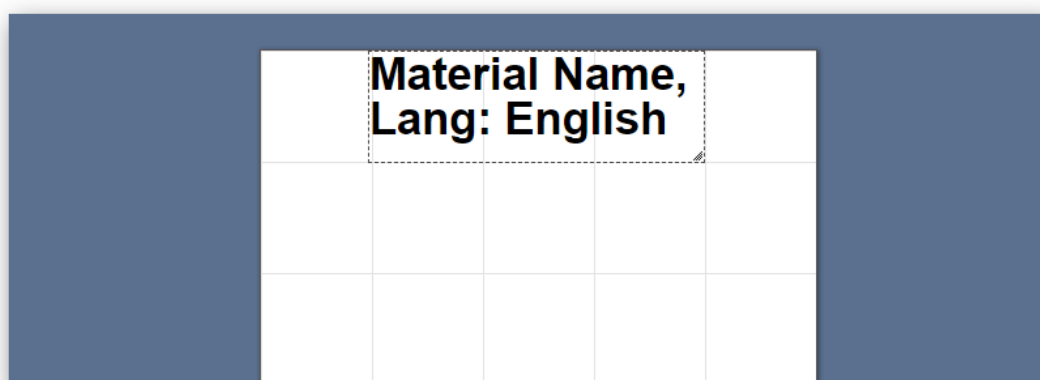


6. Press  the **Language** drop-down arrow to select desired language, e.g., English.

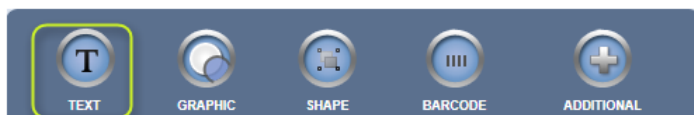
7. Select  the **Style** checkbox to make the text type field bold (Product Name).
8. Retain the default **size, position, border and layer** fields.
9. Click  the **Save** button to create Product Name field.



10. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it in the top left layer of the label template.



11. Press  the **Text** button to open the Text Settings panel.






12. Press the **Hazchem** button to choose the required datapoint, e.g., Supplier Information.
13. Hover mouse pointer to the **Supplier Info** datapoint to choose the required datapoint, e.g., Supplier Full Information.
14. Select the **Supplier Full Info** datapoint.

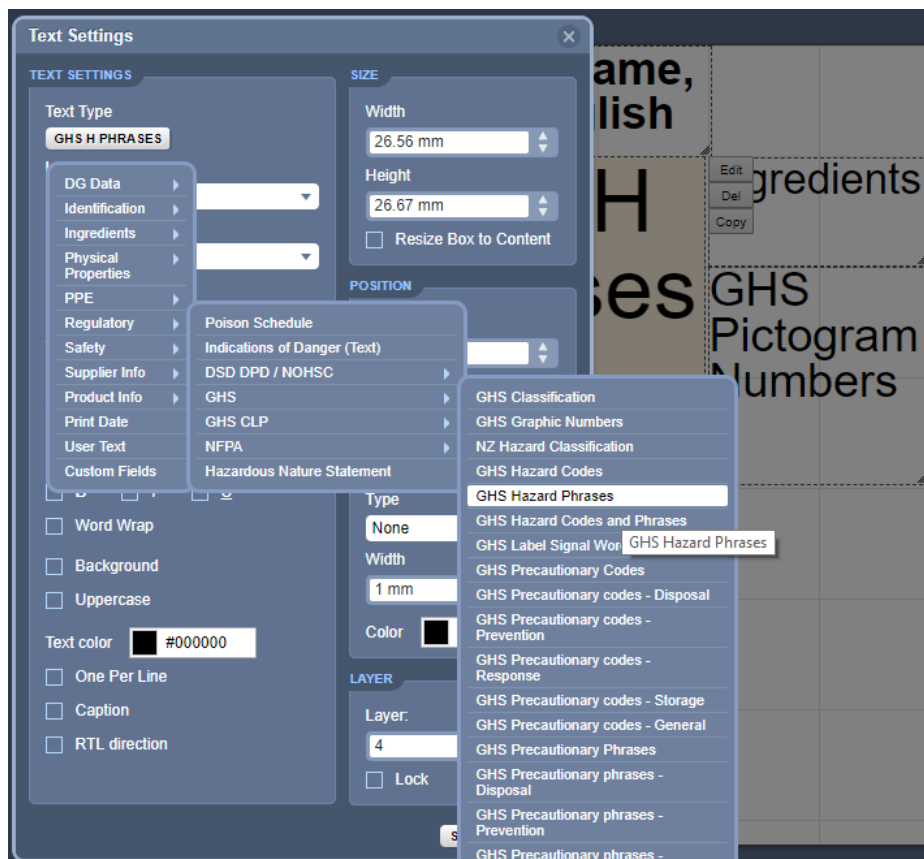





15. Click the **Save** button to create the Supplier Info field.
16. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the bottom left layer of the label template.
17. Press the **Hazchem** button to choose the required datapoint, e.g., Ingredients.
18. Hover mouse pointer to the **Ingredients** datapoint to choose the required datapoint, e.g., Ingredients.
19. Click the **Save** button to create the ingredients datapoint field.

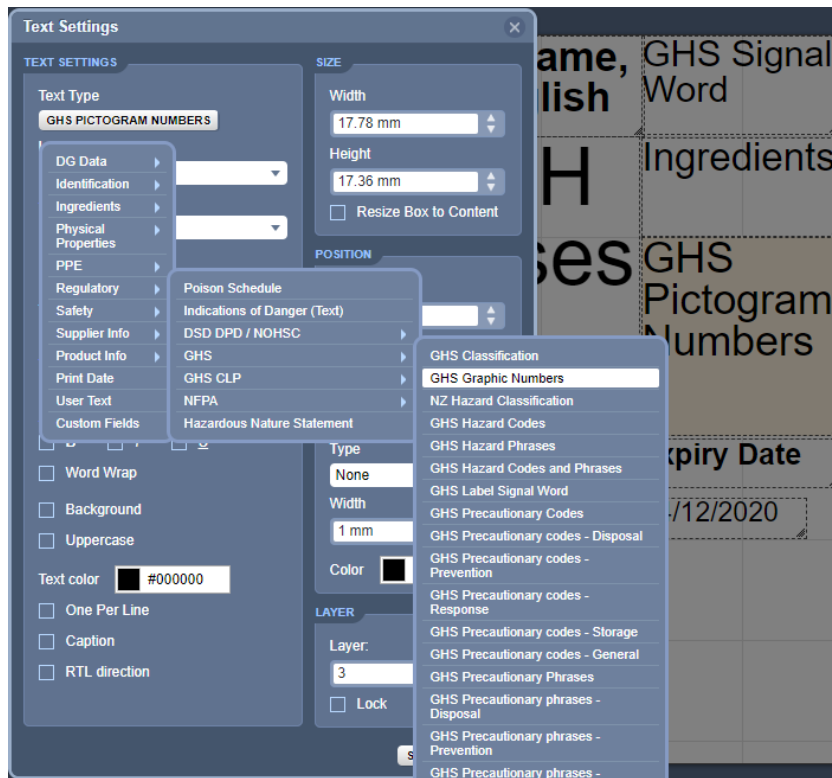





20. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the mid-right layer of the label template.
21. Press  the **Hazchem** button to choose the required datapoint, e.g., Regulatory.
22. Hover mouse pointer to the **Regulatory** field and then **GHS**.
23. Select  the **GHS Hazard Phrases** datapoint field.
24. Click  the **Save** button to create the GHS Hazard Phrases datapoint field.

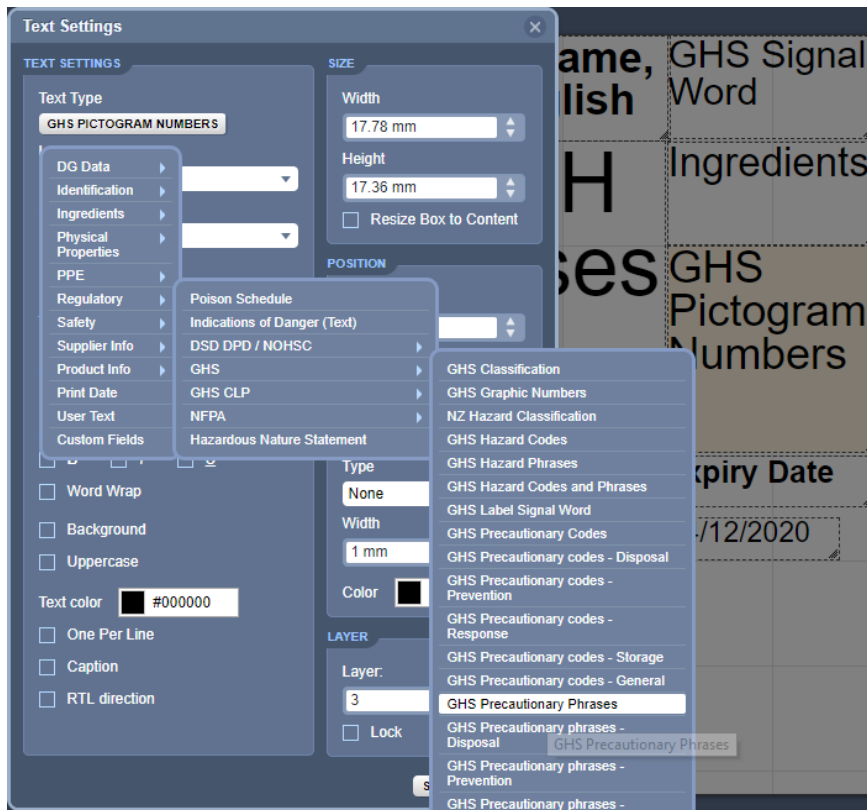






25. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the mid-left layer of the label template.
26. Press  the **Hazchem** button to choose the required datapoint, e.g., Regulatory.
27. Hover mouse pointer to the **Regulatory field** and then **GHS**.
28. Select  the **GHS Pictogram Numbers** datapoint field.
29. Click  the **Save** button to create the GHS Pictogram Numbers datapoint field.




30. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the mid-right layer of the label template.
31. Press  the **Hazchem** button to choose the required datapoint, e.g., Regulatory.
32. Hover mouse pointer to the **Regulatory** field and then **GHS**.
33. Select  the **GHS Precautionary Phrases** datapoint field.
34. Click  the **Save** button to create the GHS Precautionary Phrases datapoint field.




35. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the mid-lower left layer of the label template.
36. Press  the **Hazchem** button to choose the required datapoint.
37. Select  the **User Text** datapoint field.

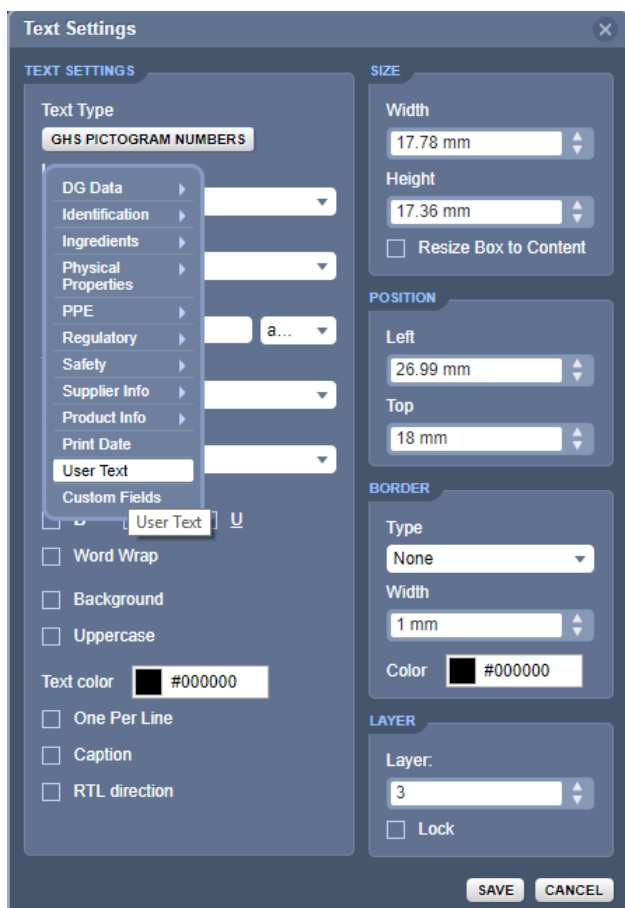
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 Note that the User Text field will be used as a field header. Type the header title name, e.g. Expiry Date and make it bold in the text Style field setting.

---




38. Click  the **Save** button to create the User Text header field




39. Use the mouse pointer to click and hold the text field frame bottom right corner to drag it inwards diagonally to **resize textbox field** and position it at the bottom right layer of the label template.
40. Press  the **Hazchem** button to choose the required datapoint.
41. Select  the **User Text** datapoint field.


---

 Note that the User Text field will be used as a field <body> text. Type the expiry date (dd/mm/yyyy), e.g., 14/12/2020. If the expiry date is an older date, check if the SDS for the product is latest version.

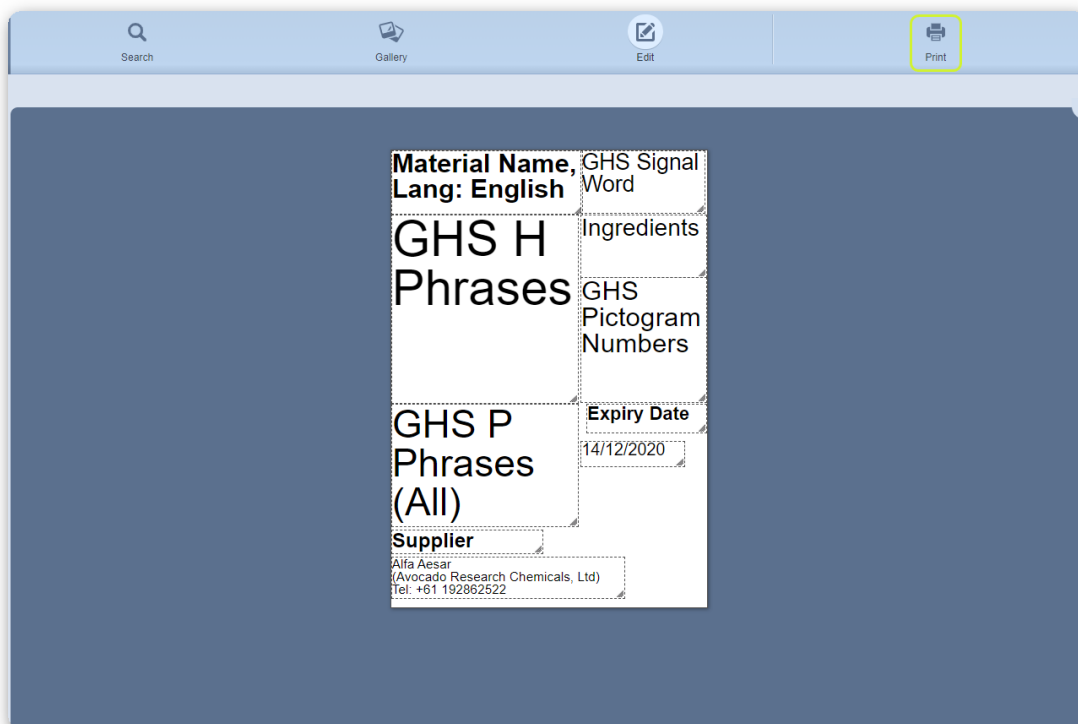
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42. Click  the **Save** button to create the free user text field

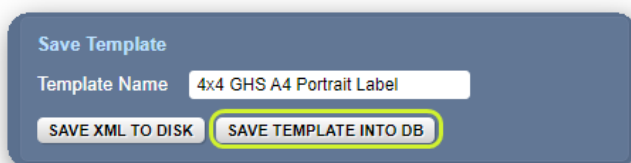
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 After all the above activities have been carried out, the label template will look like one provided in the image below. This label contains all the selected datapoints in the respective label template fields.

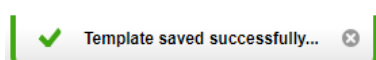
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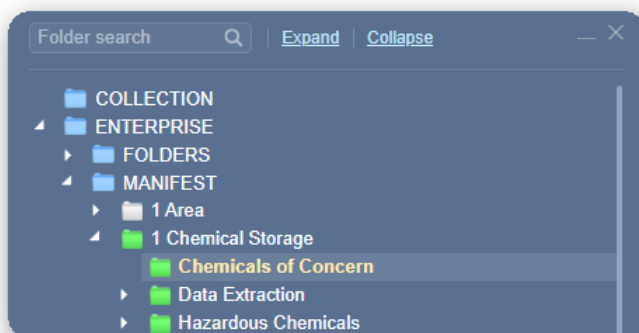
43. Press the **Save Template into DB** button at the bottom left Save Template pane.



The label template save confirmation message below gets displayed in the mid-top layer of the user interface.



44. Click on the **Search** button from the toolbar options or **select a folder** from the tree, e.g., a folder is used in this exercise.



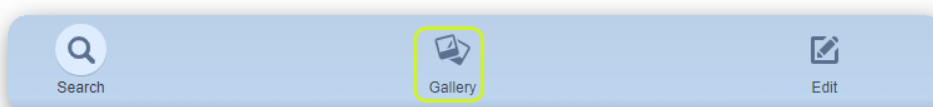
45. Identify the product from the materials list on the right-hand side pane.

46. Press  the **Add to List** button alongside the material name.




NAME	VENDOR	OTHER NAMES	
2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C	Sigma-Aldrich (Merck)		ADD TO LIST
5040 Indexflüssigkeit	AGR International		ADD TO LIST
acetone-D6	Merck		ADD TO LIST
BATTERY ACID	Johnson Controls		ADD TO LIST
Benzene	Sigma-Aldrich (Merck)		ADD TO LIST
chloroform	Sigma-Aldrich (Merck)		ADD TO LIST
CHLOROFORM SINGLE COMPONENT STANDARD FOR EPA METHODS	Sigma-Aldrich (Merck)		ADD TO LIST
CLARITI PART A			ADD TO LIST
coal tar	Multiple		ADD TO LIST

47. Press  the **Gallery** button on the label toolbar options.



48. Select  the **User Defined** tab.

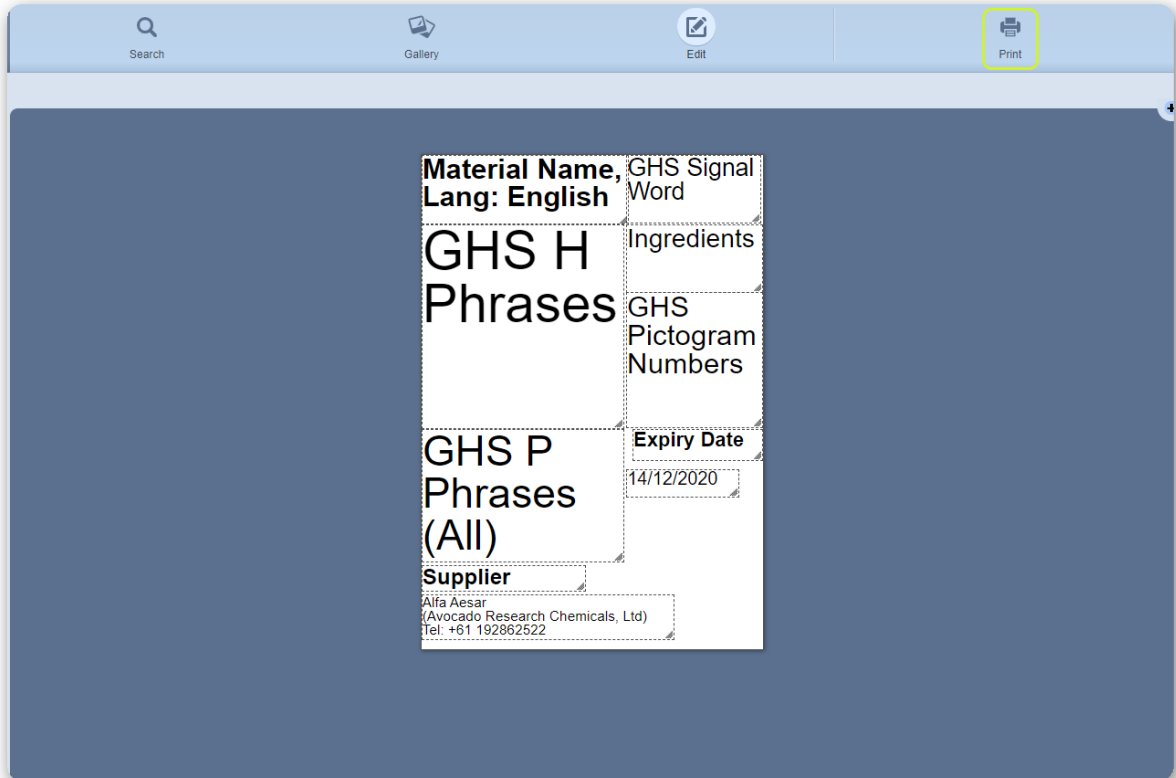


49. Hover the mouse pointer towards the bottom right corner on the newly created template thumbnail to click on the **forward arrow** , in this exercise, the 4x4 GHS A4 Portrait Label template is used.

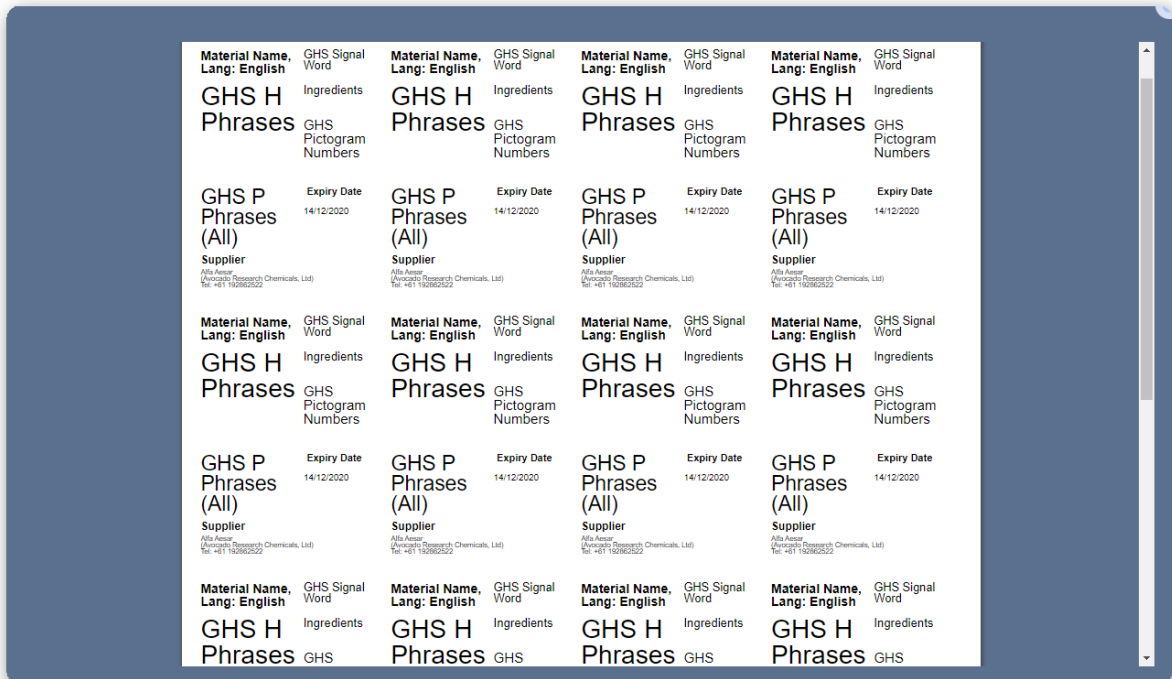


50. The selected user defined label template gets displayed.

51. Press  the **Print** button on the label toolbar options



**i** The default label template for GHS 14 labels per A4 page will look like the one shown below.



52. Select  the Fill button on the Filling pane

**FILLING**

Language:

Country:

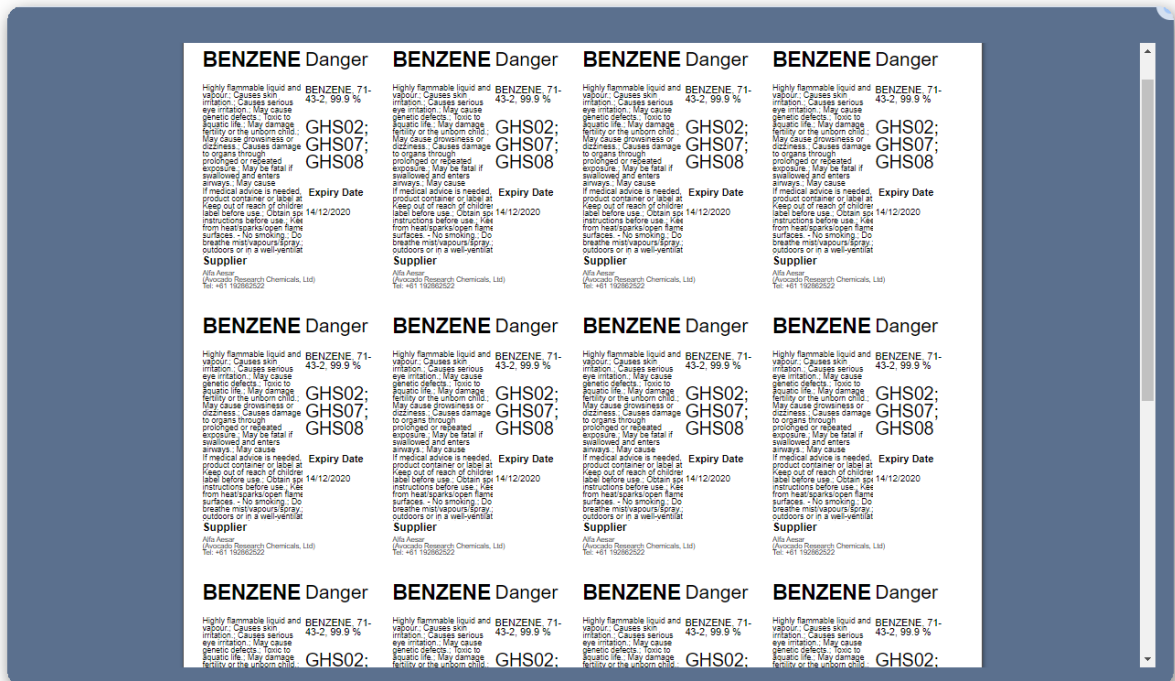
sds Format:



Multiple material print

Material:

**FILL**

**i** The filled default label template for GHS 14 labels per A4 page will look like the one shown below.



53. Press  the Print or **Save PDF**  button on the bottom right corner of the Print Options Pane. The save option has been used in the exercise.



**PRINT OPTIONS**

Unit of Length: mm

Page Width: 210.0

Page Height: 297.0

Label Width: 45.0

Label Height: 65.0

Number of Columns: 4

Number of Rows: 4

Left Margin: 5.0

Top Margin: 10.0

Horizontal Space: 5.0

Vertical Space: 5.0

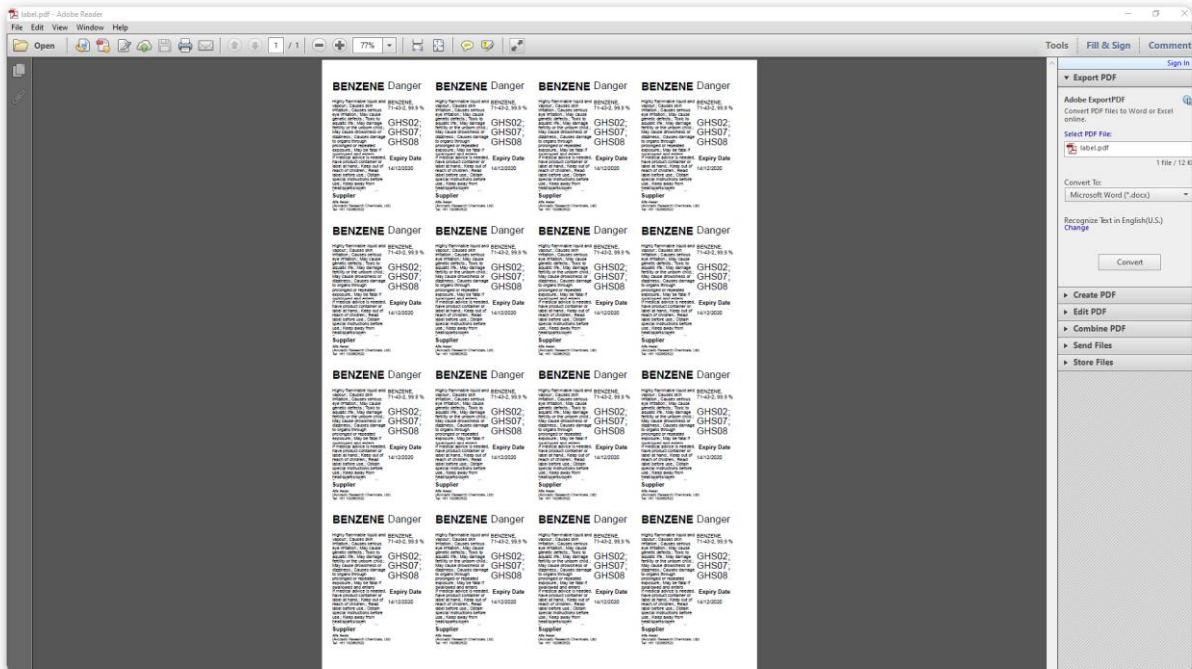
SAVE

SAVE PDF PRINT

54. Press  the Downloaded label.pdf  file from the task bar to open it



55. Choose a **file location** from the desktop/laptop to save the user defined label if your desktop is not automatically set to download files to the downloads folder.



## 5.3 Adding Transport Information into a Custom Label

When creating labels in the D-GEN Lab module, users are now able to select any transport data as seen on the full SDS and add their desired data points to their label templates. This enhancement will allow users to generate labels with a variety of transport (Dangerous Goods) information drawn from the full SDS.

- [Access to DGEN Lab module](#)
- [How to add transport information into a custom label](#)
- [Generating a label with transport data](#)




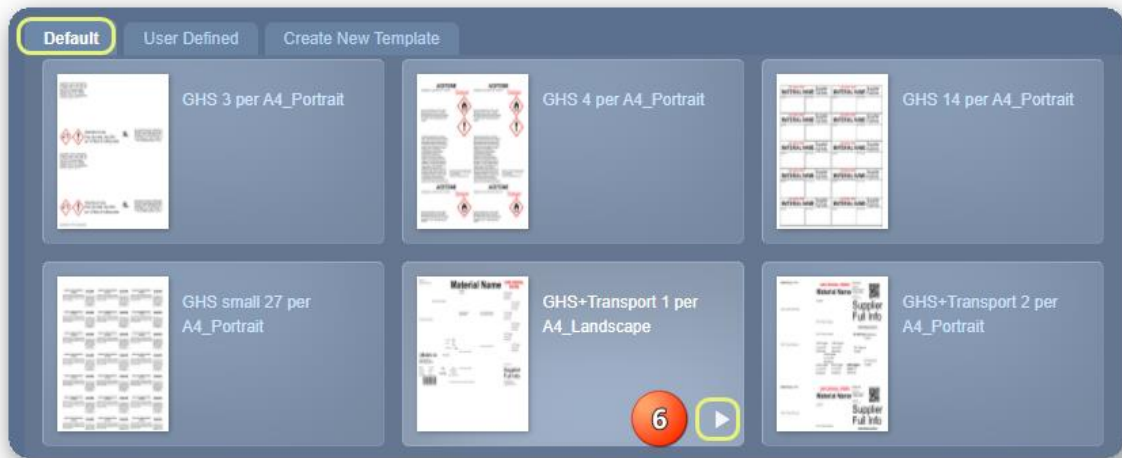
### Access to DGEN Lab module

The DGEN module is available in GoldFFX, Chemeritus and Bespoke. Access to DGEN module also depends on permissions assigned to users by the administrator to enable users to create new labels or edit (customise) existing Chemwatch labels. The steps below illustrate how to customise an existing Chemwatch label by adding transport datapoints.




#### Steps: Adding Transport Datapoints in Existing Label

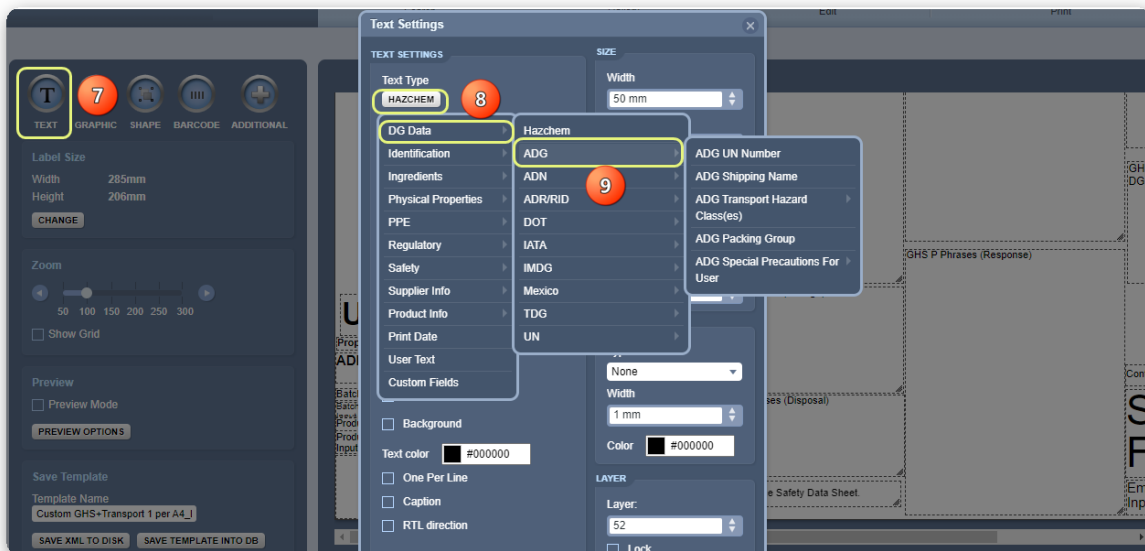
1. Click the **DGEN Lab** module.
2. Select a **Folder** location.
3. Select the **Material(s)** by clicking on the material name(s) on the grid.
4. Click the **Add Selected** button to place the selected materials into the element list.
5. Click the **Gallery** button.



- Move your mouse pointer onto the thumbnail's forward arrow to select  the label template to customise.

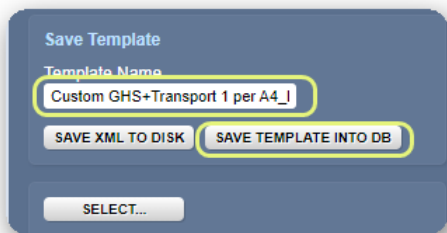



Note that the default tab contains Chemwatch label templates that can be used to customise and add/remove specific datapoint fields depending on what a user wants to generate in the final printed or displayed label.

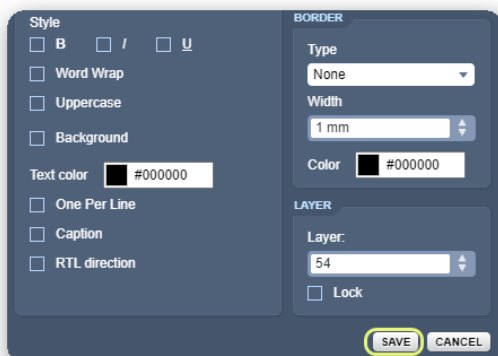
- Click  the **Text** button from the tools label builder.
- Click  the **Hazchem** button.
- Select  DG and click on **ADG** option (Australian Dangerous Goods).



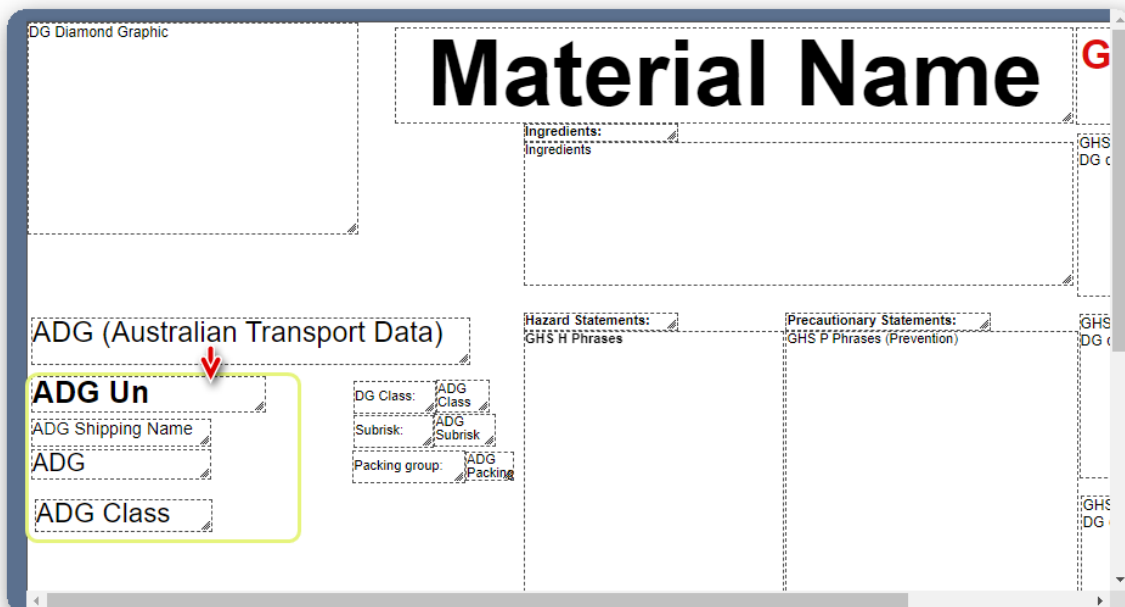
- Click  the Template Name field to rename the default template to a custom label template.
- Click  the **Save Template into DB** button on the tools builder panel.



12. Click  the **Save** button on the Text Settings window.



Newly added transport datapoints' fields are shown in the label template.



13. Click  the **Print**  button to generate label.

**EMERITUS** Search Gallery Edit 12 Print

**FILLING**  
 Language: English  
 Country: Australia  
 sds Format: GHS  
 Item(s): ACETONE **1.3** **FILL**

**PRINT OPTIONS**  
 Unit of Length: mm  
 Page Width: 290.0  
 Page Height: 290.0  
 Label Width: 285.0  
 Label Height: 206.0  
 Number of Columns: 1  
 Number of Rows: 1  
 Left Margin: 2.0

**ADG (Australian Transport Data)**  
**ADG Un**  
 ADG Shipping Name  
 ADG  
 ADG Class

**Ingredients:**  
 Ingredients

**Hazard Statements:**  
 GHS H Phrases

**Precautionary Statements:**  
 GHS P Phrases (Prevention)

DG Class: ADG Class  
 Subrisk: ADG Subrisk  
 Packing group: ADG Packing

GHS P Phrases (Response)

Label datapoints filled with specific transport information based on selected fields.

**FILLING**  
 Language: English  
 Country: Australia  
 sds Format: GHS  
 Item(s): ACETONE **FILL**

**PRINT OPTIONS**  
 Unit of Length: mm  
 Page Width: 290.0  
 Page Height: 290.0  
 Label Width: 285.0  
 Label Height: 206.0  
 Number of Columns: 1  
 Number of Rows: 1  
 Left Margin: 2.5  
 Top Margin: 2.0  
 Horizontal Space: 0.0  
 Vertical Space: 0.0  
**SAVE PDF** **PRINT**

**ACETONE** **DANGER**

**Ingredients:**  
 ACETONE: 67-64-1, 95-99.5 %

**Hazard Statements:**  
 Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Prolonged exposure may cause skin dryness and cracking.

**Precautionary Statements:**  
 Precautionary statements - Prevention: Keep away from heat, open flames, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing mist/vapour/spray. Wear protective gloves, protective clothing, eye protection and face protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ventilating safety equipment. Use non-sparking tools. Take action to prevent static discharge. Wash all exposed external body areas thoroughly after handling.

**Precautionary statements - Response:** In case of fire: Use alcohol resistant foam or similar. Do not use water spray. If inhaled: Remove person to fresh air. If eye irritation: Rinse thoroughly with water for several minutes. Continue rinsing. Call a POISON CENTER or hospital if you feel unwell. If swallowed: Rinse mouth. Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for several minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Precautionary statements - Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

**Precautionary statements - Disposal:** Disposal of contents/container is authorized. Hazardous or special waste collection agent in accordance with any local regulation.

**UN 1090** **ACETONE**  
 UN Number: UN 1090  
 ACETONE  
 3

**UN** **HAZCHEM \*2YE**

**ACETONE**  
 Proper Shipping Name  
 Batch No: 1558899  
 Expiry Date: 21/09/2022  
 Production Lot No: 151848  
 Lot No: 5151

Qty: 20  
 Net Qty: 12

**Chem-Supply 39 - 50 Bedford Street GILLMANN 5013 SA, Australia +61 8 8440 2000, +61 8 8440 2001, +61 08 8440 2000, info@chemsupply.com.au**

## 6.0 CREDO (Classify Mixtures)

The main objectives of this chapter cover how to use the CREDO module to create material mixtures and generate specific reports such as Mini SDS, Labels by:

- Identify the mixture and input specific information
- Input the manufacturer details
- Search for ingredients, input proportion% and physical properties
- Review ingredients hazards classification
- Extract hazards classification
- Input dangerous goods classification data
- Render auto-suggested dangerous goods classification information
- Create a mixture and generate Mini SDS, Labels



CREDO is the classify module that provides users with the ability to create mixtures and generate labels. In this module, users are able to create mixtures by using the Credo form to fill in the required information about the mixture based on input ingredients. Once the information is captured in the form, the system will calculate the risks/hazard classification of the mixture based on the individual hazard classification of each ingredient and also be able to generate a label for the mixture. Creating a mixture involves more than one ingredient input with their respective chemical proportions (%) composition of each ingredient.

The Credo form contains the following tabs:

- Product Identification
- Manufacturers Details

- Credite Poster (Physical Properties)
- Review Ingredients
- Review Classification
- Dangerous Goods


## Product Identification Tab and Description

### Data Point

### Description

### Notes


*This tab enables user data input options to define the material mixture. Note that some data points are drawn by default from the database.*

Data Point	Description	Notes
Material Name	Name of the Mixture	User dependent name of the mixture
Language	The system will automatically populate the language detected for the SDS.	Default language selected. Data point cannot be edited.
Catalogue Number	Catalogue Number of the mixture (if applicable)	Catalogue number for the mixture may not necessarily be available when creating mixture for internal use
REACH Reg. No	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals for the European Union	REACH Registration number should be entered in this field for pure chemicals (optional). Can be sought in Section 1 of the European GHS SDS. May not be necessary or available when creating mixture for internal use
Issue Date	This is the date when the mixture is created (dd/mm/yyyy).	The issue date is automatically assigned by default from the database. This field can be edited through the calendar icon  .
CAS No.	Chemical Abstract Substance Number	May not be available for a mixture intended for internal use. Use "Not Available" if applicable.

EC No.	European Council number assigned to a substance.	EC No. can be found in Section 1 of the SDS. If no data is found, this field can be blank.
Uses	This is the product use details “text field” to enter the use or purpose of the mixture.	Define the use of the product. Can be sought in Section 1 of the SDS. If no data is found, leave this field blank. Do not translate this field; use the exact language of the SDS.
REACH Uses	Uses based on REACH regulations.	Choose the applicable REACH use from the dropdown list of REACH Uses (applicable to the EU region).
Synonyms	Some SDS have product codes; others have trade names, part numbers or other names for the same material.	Enter the applicable synonym for the mixture (optional). Field can be left blank.

## Manufacturers Details Tab and Description

The screenshot shows a form titled "MANUFACTURERS DETAILS" with the following fields: Company Name (with a plus sign button), Address, Telephone 1, Telephone 2, Emergency Organisation, Emergency 1, Other Emergency Number, Fax, Email, and Website.

Data Point	Description	Notes
Company Name and other details	Your own organisation name and specific details. Use the add button  to add your own manufacturer details.	User dependent organisational name where the mixture is being made. Note that this information will show in the Mini SDS or label.



## Credite Poster Tab and Description

**CREDITE POSTER**

NAME/CAS NO.	PROPORTION %
1	
2	
3	

State:

Water Solubility:

pH:  pH as a solution:  at  %

Flash Point (C):  SG/Density (g/cm3):

Lower Explosive Limit (%):  Upper Explosive Limit (%):

Boiling point/Range (C):  Melting point/Range (C):

Autoignition Temperature (C):  Decomposition Temperature (C):

Volatiles (%vol):  Molecular Weight:

Relative Vapour Density:  Vapour Pressure (kPa):

Viscosity (cSt):  Total VOC g/l:

Evaporation Rate:

Appearance:  ?

Data Point	Description	Notes
	<i>This tab enables user data input for the mixture.</i>	
Name/CAS No. and Proportion	Ingredient(s) fields	Enter ingredient(s) and the respective proportion (%) value of each ingredient in each line item.
Physical Properties	State of the mixture, water solubility, appearance, and other datapoints if known or available	In Credo, not all the physical properties' data may be available. Ignore the fields where information is not available.



## Review Ingredients Tab and Description

**REVIEW INGREDIENTS**

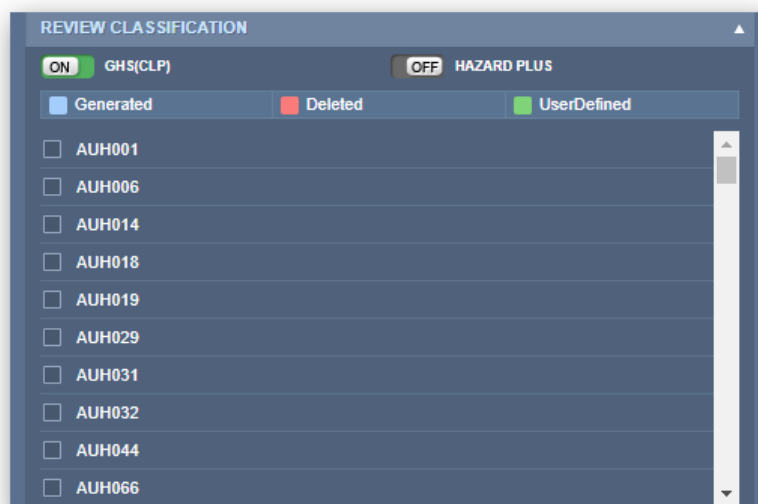
GHS(CLP)  C&L



HAZARD PLUS  SANITISED VIEW


NAME/CAS NO.	PROPORTION %
<input type="text"/>	<input type="text"/> + <input type="button" value="edit"/>
<input type="text"/>	<input type="text"/> + <input type="button" value="edit"/>
<input type="text"/>	<input type="text"/> + <input type="button" value="edit"/>

Data Point	Description	Notes
<p><i>This tab enables user data input for the mixture to be calculated by using the GHS (CLP) or C&amp;L classification, hide ingredient(s) composition, sanitise ingredients and a range of % proportion, and/use hazard plus (CW extra risks by turning on the switch  or off </i></p>		
GHS (CLP)	GHS/CLP classification switch	Choose the classification criteria to be used for the calculation of the mixture
C&L	European Classification and Labelling Inventory	The mixture classification may be calculated using the C&L Inventory
Hazard Plus	CW extra hazard classification	Choose this option to enable extra CW hazard classification
Sanitised View	Auto-sanitise feature	Allows users to hide their exact formulation from knowing the exact mixture's ingredients and proportions

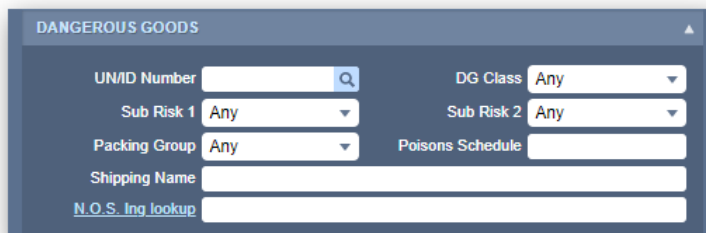
### Review Classification Tab and Description



Data Point	Description	Notes
<p><i>This tab enables user data input for the mixture for the classification calculation to be used, hide ingredient(s) composition, etc.</i></p>		
GHS (CLP) or C&L	GHS/CLP or C&L classification switch	Choose the classification criteria to be used for the calculation of the mixture
Hazard Plus	CW extra hazard classification	Choose this option to enable extra CW hazard classification
Generated 	The GHS (CLP) or C&L classification codes generated based on ingredients in the mixture	Review classification codes by using the checkboxes alongside each hazard/risk code
Deleted 	Classification codes that are deleted get displayed when this option is selected	Display the deleted risk/hazard classification codes of the mixture by selecting the deleted option


User Defined 	Classification codes selected by user	Display the classification selected by the user by selecting the User Defined option
---	---------------------------------------	--

## Dangerous Goods Tab and Description







Data Point	Description	Notes
<i>This tab enables user data input for the mixture for the dangerous goods classification calculation</i>		
UN/ID Number	Quick look up for the United Nation Number for the prominent ingredient	Assign a UN No for the prominent ingredient
DG Class	Dangerous Goods Class	Assign a DG Class from the drop-down arrow ▼ for the prominent ingredient
Sub-risk 1, 2	Dangerous Good sub risk 1, 2	Assign the Dangerous Good sub risk 1, 2 as per transport regulations
Packing Group	Dangerous Good Packing Group as per the packing instructions	Assign the Dangerous Good Packing Group from the drop-down list
Poison Schedule	Poison Schedule based on the Australian classification system that controls medicines and poisons ( <a href="#">SUSMP</a> )	Assign the poison schedule for the prominent ingredient to be able to identify the mixture as a poison. This information can also be shown in the label.
Shipping Name	Shipping Name related to the Dangerous Good classification	Assign the shipping name based on the prominent ingredient, if classified as a Dangerous Good
N.O.S Ing lookup	Link to the proper shipping name of mixtures	Use this link to look up for the proper shipping name of the mixture that have a potential variety of hazardous ingredients and have no specific, applicable name in the UN list

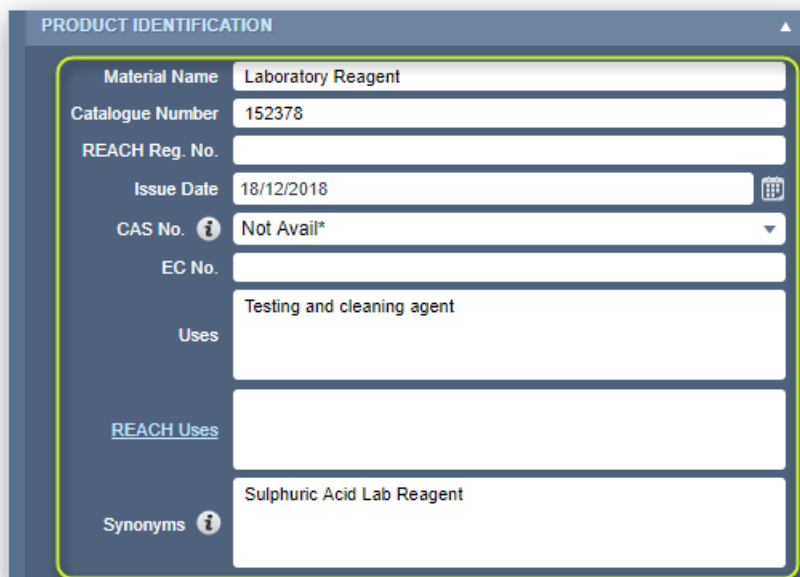
## 6.1 Classifying a Mixture and Generating a Label



The following steps illustrate ‘how to create a mixture and generate a label from a default template’ . In order to generate a classification for a mixture, ensure that you have all the required basic information on hand to complete the exercise, with at least two ingredients with varying chemical composition and proportion.

In this worked example, the label information will be rendered using the chemical mixture, which will be added into an inventory folder at level 3 under the manifest directory within the tree structure. Once the mixture is part of the inventory, it can be used for reporting on manifest hazards, dangerous goods also be part of a general inventory list of chemicals stored on site.

### Steps: Classify a Mixture and Generate a Label

1. Press  the **CREDO module button**  if it’s not already the default module).
2. Click  the **Product Identification** tab.
3. **Fill up** the following information in the respective fields to identify the mixture. Use the calendar icon  to change the Issue Date.



4. Click  the **Manufacturer Details** tab.
5. Click  the **Add** icon to create your own preferred manufacturer detail as this mixture will be created by user.

**MANUFACTURERS DETAILS**

Company Name  +

Address

Telephone 1

Telephone 2

Emergency Organisation


Emergency 1

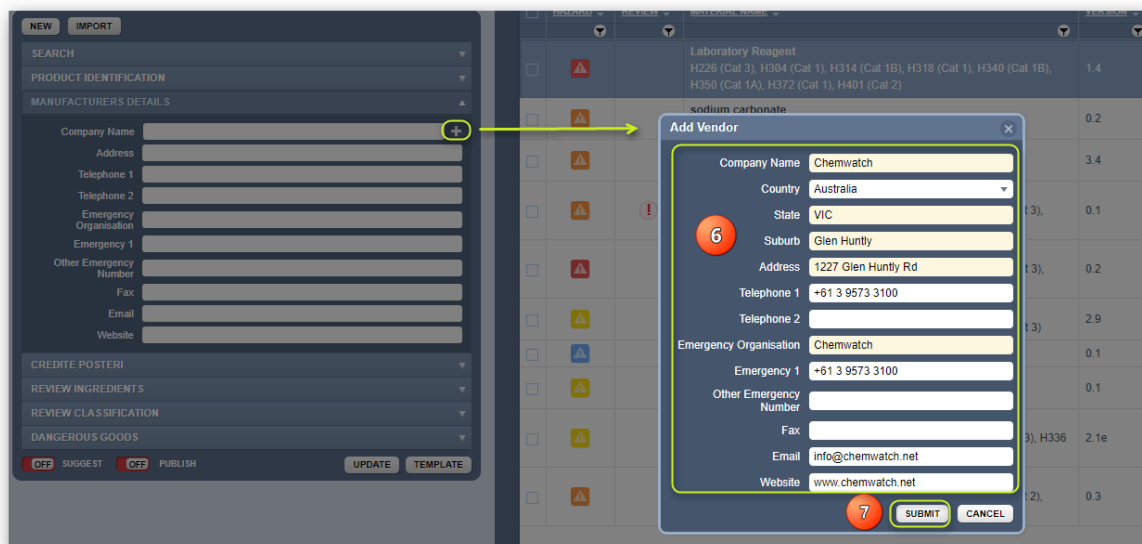
Other Emergency Number

Fax

Email

Website

6. Type **organisation/company details**; name, address, contact, emergency information and website (if applicable).
7. Press  the **Submit** button from the Add Vendor Panel.



The screenshot shows the 'Add Vendor' dialog box with the following details:

- Company Name: Chemwatch
- Country: Australia
- State: VIC
- Suburb: Glen Huntly
- Address: 1227 Glen Huntly Rd
- Telephone 1: +61 3 9573 3100
- Telephone 2: (empty)
- Emergency Organisation: Chemwatch
- Emergency 1: +61 3 9573 3100
- Other Emergency Number: (empty)
- Fax: (empty)
- Email: info@chemwatch.net
- Website: www.chemwatch.net

The 'SUBMIT' button is highlighted with a green circle and the number 7. The 'Company Name' field in the background panel has a green circle with a plus sign and a yellow arrow points to the dialog box.

 Note that the Manufacturer Details will be shown in the label once mixture has been saved into the system.

**MANUFACTURERS DETAIL S**

Company Name

Address

Telephone 1

Telephone 2

Emergency Organisation



Emergency 1

Other Emergency Number

Fax

Email

Website

8. Click  the **Credite Posteri** tab.
9. Type the 1<sup>st</sup> **Ingredient** name, 2<sup>nd</sup> **Ingredient** name, etc.
10. Select  the **Ingredient(s)** name from the autocomplete list.

**MANUFACTURERS DETAILS**

**CREDITE POSTERI** 8

NAME/CAS NO.	PROPORTION %
1 <input type="text" value="sulphuric"/>	<input type="text" value="0"/>

NAME	CAS	HAZARD CODES
3 <input type="text" value="sulphuric acid (sulfuric acid)"/>	7664-93-9	H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 2), H350 (Cat 1A)
4 <input type="text" value="sulphuric acid 98% (sulfuric acid)"/>	7664-93-9	H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 2), H350 (Cat 1A)
<input type="text" value="sulphuric acid 90-100% (sulfuric acid)"/>	7664-93-9	H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 2), H350 (Cat 1A)
<input type="text" value="sulphuric acid 1.84 AnalaR (sulfuric acid)"/>	7664-93-9	H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 2), H350 (Cat 1A)
<input type="text" value="sulphuric acid fuming (sulfuric acid fuming)"/>	8014-95-7	AUH014, AUH029, H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 1), H335 (Cat 3), H350 (Cat 1A)
<input type="text" value="sulphuric anhydride (sulfur trioxide)"/>	7446-11-9	AUH014, H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A)
<input type="text" value="sulphuric oxide (sulfur trioxide)"/>	7446-11-9	AUH014, H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A)
<input type="text" value="sulphuric oxyfluoride (sulfuryl fluoride)"/>	2699-79-8	AUH044, H280, H301 (Cat 3), H315 (Cat 2), H319 (Cat 2A), H331 (Cat 3), H335 (Cat 3), H373 (Cat 2), H400 (Cat 1)
<input type="text" value="sulphuric acid 93%(SG1.828);80%(SG1.500) (sulfuric acid with &gt;54% acri)"/>	7664-93-9	H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1), H330 (Cat 2), H350 (Cat 1A)

viscosity (cSt)  total VOC g/l

Evaporation Rate

Appearance

11. Click  the **Ingredients' proportion %** fields alongside each ingredient and enter the composition % proportions.

**CREDITE POSTERI**

NAME/CAS NO.	PROPORTION %
1 <input type="text" value="sulfuric acid"/>	<input type="text" value="60"/>
2 <input type="text" value="ammonia"/>	<input type="text" value="10"/>
3 <input type="text" value="water-18O"/>	<input type="text" value="30"/>
4 <input type="text"/>	<input type="text"/>

12. Enter other physical properties where applicable, e.g., State = Liquid, Water solubility = Miscible, etc. Where physical properties are defaulted to "Not Available", simply retain and move on to the next step.

CREDITE POSTERI

NAME/CAS NO.	PROPORTION %
1 sulfuric acid	60
2 ammonia	10
3 water-18O	30
4	

State: Liquid

Water Solubility: Miscible

pH: Not Available      pH as a solution: Not Available

Flash Point (C): Not Available      SG/Density (g/cm3): Not Available

Lower Explosive Limit (%): Not Available      Upper Explosive Limit (%): Not Available

Boiling point/Range (C): Not Available      Melting point/Range (C): Not Available

Autoignition Temperature (C): Not Available      Decomposition Temperature (C): Not Available



Volatiles (%vol): Not Available      Molecular Weight: Not Available

Relative Vapour Density: Not Available      Vapour Pressure (kPa): Not Available

Viscosity (cSt): Not Available      Total VOC g/l: Not Available

Evaporation Rate:      BuAC = 1





Appearance: ? MORE



- Click  the **Review Ingredients** tab.
- Click  the **Sanitise** switch button to turn it on (optional).

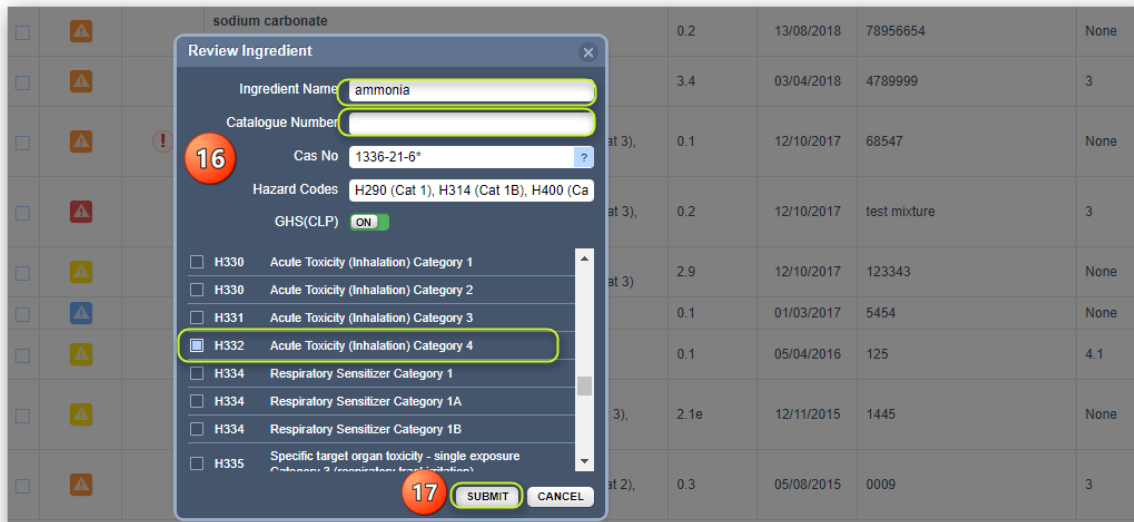
**REVIEW INGREDIENTS** 13

ON GHS(CLP)       OFF C&L

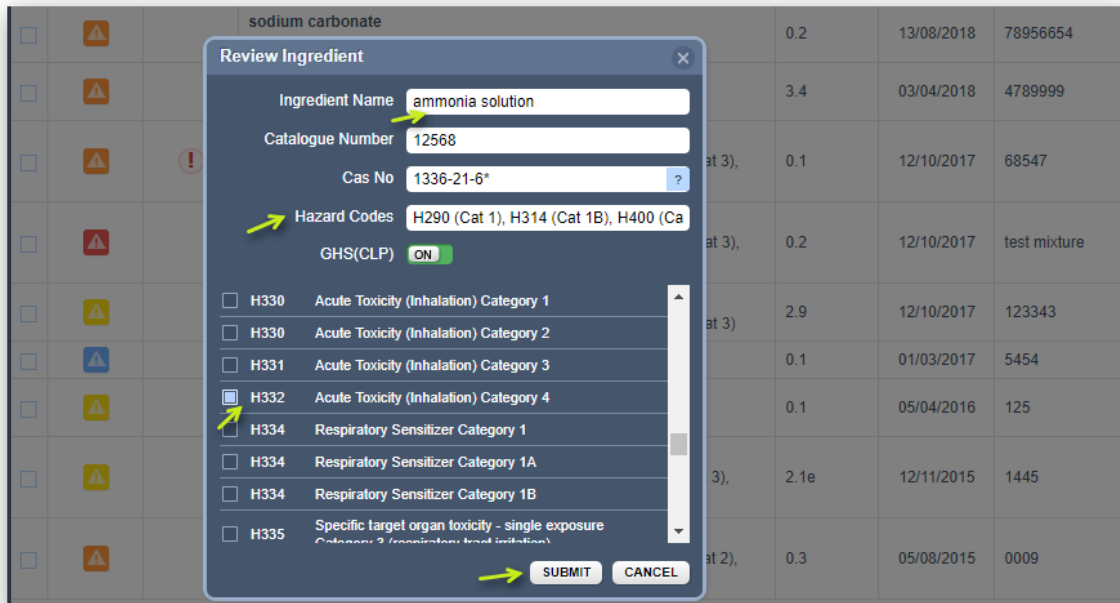
OFF HAZARD PLUS       OFF SANITISED VIEW 14

NAME/CAS NO.	PROPORTION %	
ammonia H290 (Cat 1), H314 (Cat 1B), H400 (Cat 1), H332 (Cat 4), H318 (Cat 1)	10	+ 
water-18O	30	+ 
sulfuric acid H290 (Cat 1), H314 (Cat 1A), H350 (Cat 1A), H330 (Cat 2), H318 (Cat 1)	60	+ 
		+ 

- Click  the **Edit** icon  to activate edit function for an ingredient row.
- Change the name of the ingredient (if applicable), Enter a catalogue number and review the classification codes.



**i** Input data is shown in the example below. Note that the default ingredient name, catalogue number if available, hazard codes, GHS(CLP) classification checkbox(es) will be selected if the ingredient is classified as a hazardous chemical.



17. Press **Submit** button.
18. The Review Ingredients form will reflect saved data changes.



**REVIEW INGREDIENTS**

GHS(CLP)       C&L  
 HAZARD PLUS       SANITISED VIEW       AUTO

NAME/CAS NO.	PROPORTION %
ammonia solution	10
H290 (Cat 1), H332 (Cat 4), H314 (Cat 1B), H318 (Cat 1), H400 (Cat 1)	
water-180	30
sulfuric acid	60
H314 (Cat 1A)	

If no review is to be completed for the ingredient name, ignore those fields and go the next sanitization name steps to review.

19. Enter the sanitization name for the ingredient (s) field(s), e.g., ammonia solution conc in the blue field below the original ingredient name.
20. Enter the sanitization for the ingredient (s) proportion range e.g., 5-15%.
21. Click the **Review Ingredient Sanitisation** icon to hide ingredient (if needed to be hidden from view).

**REVIEW INGREDIENTS**

GHS(CLP)       C&L  
 HAZARD PLUS       SANITISED VIEW       AUTO

NAME/CAS NO.	PROPORTION %
water-180	30
sulfuric acid	60
H314 (Cat 1A)	
ammonia	10
amm solution conc	5-15
H314 (Cat 1B), H400 (Cat 1)	

Hidden Sanitisation ingredient information gets displayed as hidden.

NAME/CAS NO.	PROPORTION %
water-180	30
sulfuric acid	60
H314 (Cat 1A)	
ammonia	10
Hidden	
H314 (Cat 1B), H400 (Cat 1)	

22. Click the **Review Classification** tab.
23. The generated GHS(CLP) hazard codes are shown with selected checkbox(es) by default (in light blue colour) alongside each hazard statement. Make your own selection(s) to add to the classification where its deemed necessary and those user selected codes will get listed as user defined as shown in green colour coding below.

Generated	Deleted	UserDefined
H318 (Cat 1) H314 (Cat 1A) H401 (Cat 2) H226 (Cat 3)		H317 (Cat 1B) H330 (Cat 1)

<input type="checkbox"/>	H317	Skin Sensitizer Category 1A
<input checked="" type="checkbox"/>	H317	Skin Sensitizer Category 1B
<input checked="" type="checkbox"/>	H318	Serious Eye Damage Category 1
<input type="checkbox"/>	H319	Eye Irritation Category 2A
<input checked="" type="checkbox"/>	H330	Acute Toxicity (Inhalation) Category 1
<input type="checkbox"/>	H330	Acute Toxicity (Inhalation) Category 2
<input type="checkbox"/>	H331	Acute Toxicity (Inhalation) Category 3
<input type="checkbox"/>	H332	Acute Toxicity (Inhalation) Category 4
<input type="checkbox"/>	H334	Respiratory Sensitizer Category 1
<input type="checkbox"/>	H334	Respiratory Sensitizer Category 1A

24. Click the **Dangerous Goods** tab.
25. The Dangerous Goods classification gets populated by default after reviewing the classification information and ingredients. The **UN No, DG Class, Packing Group and Shipping Name** is automatically inserted into the respective classification field in the form. Enter the poison schedule number (if applicable).

**DANGEROUS GOODS**

UNID Number: 1263      DG Class: 3

Sub Risk 1: None      Sub Risk 2: None

Packing Group: III      Poisons Schedule:

Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polis

N.O.S. Ing lookup:

26. Select the **Ingredient(s) Look Up** link to review the prominent ingredient.
27. In this case scenario, the ingredient with the highest % proportion in the mixture and most hazardous is sulfuric acid. Select the **checkbox alongside the prominent ingredient**.

<input type="checkbox"/>			my mixture with pure acetone H302 (Cat 4), H311 (Cat 3), H314 (Cat 1B), H318 (Cat 1), H331 (Cat 3), H336 (Cat 3)	0.1
<input type="checkbox"/>			test mixture (Cat 3)	0.2
<input type="checkbox"/>			(Cat 3)	2.9
<input type="checkbox"/>				0.1
<input type="checkbox"/>			1220 (Cat 2)	0.1

**Ingredient Lookup** ✕

water-180

sulfuric acid

ammonia

The N.O.S.Ing.lookup link field gets populated with the relevant information for which the ingredient is contained in the mixture.

**DANGEROUS GOODS**

UNID Number: 1263      DG Class: 3

Sub Risk 1: None      Sub Risk 2: None

Packing Group: III      Poisons Schedule:

Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polis

N.O.S. Ing lookup: (contains sulfuric acid)

SUGGEST     PUBLISH       

28. Press the **Publish** button on the bottom middle of the Credo Form window to enable the system to save the mixture into your inventory.
29. Press the **Update** button to save the data and render the calculation of the mixture.

**DANGEROUS GOODS**

UN/ID Number   DG Class

Sub Risk 1  Sub Risk 2

Packing Group  Poisons Schedule

Shipping Name

SUGGEST  PUBLISH

30. The mixture's material name gets displayed within the material list showing the following columnar data; Version Number, Issue Date, Catalogue Number, DGC, DGS1, DGS2, PKG and SDS ETC.

<input type="checkbox"/>	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Test Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H317 (Cat 1), H319 (Cat 2A), H334 (Cat 1), H336 (Cat 3), H340 (Cat 1B), H351 (Cat 2), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2)	0.4	08/10/2020	XY-2555	3	None	None	III		
<input type="checkbox"/>			benzene mixture with abc H225 (Cat 2), H304 (Cat 1), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1)	0.1	10/09/2020	456788-10	3	None	None	II		
<input type="checkbox"/>			acetone with water H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	2.6e	26/08/2020	4567	3	None	None	II		
<input type="checkbox"/>			Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234	3	None	None	II		
<input checked="" type="checkbox"/>			Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1), H402 (Cat 3)	2.5i	18/11/2019	test mixture	3	None	None	II		

Important analogy about the generated mixture is that it is classified as an extremely hazardous material (see hazard icon color code ) based on the ingredients and proportion % composition as well as a dangerous good class 3 (see DGC column), due to its flammability category.

31. Click on the **Hazard Colour Code icon** , e.g., in this case scenario, red hazard icon to display the hazard classification summary label information.

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
⚠		Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H401 (Cat 2)	2.5e	18/12/2018	152378	3	None	None	III	📄	🔴
⚠		sodium carbonate H315 (Cat 2), H318 (Cat 1), H332 (Cat 4), H335 (Cat 3)	0.2	13/08/2018	78956654	None	None	None	II	📄	🟡
⚠		my acetone1 AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	3.4	03/04/2018	4789999	3	None	None	II	📄	🟡
⚠	!	my mixture with pure acetone H302 (Cat 4), H311 (Cat 3), H314 (Cat 1B), H318 (Cat 1), H331 (Cat 3), H336 (Cat 3)	0.1	12/10/2017	68547	None	None	None	None	📄	🟡
⚠		test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1)	0.2	12/10/2017	test mixture	3	None	None	II	📄	🟡

32. Select the SDS ETC icon to display document options; Mini SDS, Label, LOC

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC
⚠		Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H401 (Cat 2)	2.5e	18/12/2018	152378	3	None	None	III	📄
⚠		sodium carbonate H315 (Cat 2), H318 (Cat 1), H332 (Cat 4), H335 (Cat 3)	0.2	13/08/2018	78956654	None	None	None	II	📄
⚠		my acetone1 AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	3.4	03/04/2018	4789999	3	None	None	II	📄
⚠	!	my mixture with pure acetone H302 (Cat 4), H311 (Cat 3), H314 (Cat 1B), H318 (Cat 1), H331 (Cat 3), H336 (Cat 3)	0.1	12/10/2017	68547	None	None	None	None	📄
⚠		test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1)	0.2	12/10/2017	test mixture	3	None	None	II	📄

33. Click on the Mini button to render a Mini SDS.

Chemwatch: 9-101510 Chemwatch Hazard Alert Code: 4

**MINI SDS**

**Laboratory Reagent**

INGREDIENTS	CAS NO	%	8HR OEL
sulfuric acid	7664-93-9	60	1 mg/m3
water-180	14314-42-2	30	-

**GHS** **DG** **PROPERTIES**

UN No: 1263  
Hazard Code: -3Y  
DG Class: 3  
Subsidiary Risk: Not Applicable  
Packing Group: III  
Poisons Schedule: Not Applicable

**HEALTH HAZARD INFORMATION**

Signal word: Danger

H226 Flammable liquid and vapour.  
H330 Fatal if inhaled.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H401 Toxic to aquatic life.

**PRECAUTIONS FOR USE**

Appropriate engineering controls: Local Exhaust Ventilation recommended.

**EMERGENCY**

**FIRST AID**

**Swallowed:** Give water (if conscious). URGENT MEDICAL ATTENTION.

**Eye:** Wash with running water (15 mins). Medical attention.



**Skin:** Flood body with water. Remove contaminated clothing. Wash with water.

**Inhaled:** Fresh air. Rest, keep warm. If breath shallow, give oxygen. Medical attention.

**Advice To Doctor:** Airway problems - 100% O2. Treat burns as thermal. Retract eyelids - irrigate 30 mins. Retract eyelids/ Irrigate 30 mins. Warm, humidified air for bronchial irritation. for bronchial irritation.

**Fire Fighting:** Water spray/ fog. Eliminate ignition sources. Absorb with dry agent. Neutralize with soda ash/ lime. Stop leak if safe to do so.

**Spills and**

34. Click  on the **Label** button  to choose a default label template or a user defined label template from the label gallery
35. **Hover the mouse pointer towards the bottom right corner** of the label thumbnail for a particular template name, e.g., GHS 4 per A4\_Portrait and **select the forward arrow** that appears to render the label for the mixture

**Gallery**

Default User Defined

GHS 1 per A4\_3 languages\_Portrait


GHS 1 per A4\_Portrait

GHS 2 per A4\_Portrait

GHS 3 per A4\_Portrait

GHS 4 per A4\_Portrait

GHS 14 per A4\_Portrait

 Label information gets generated based on the classification of the mixture as per the ingredients calculation data. The label shows the GHS pictograms, GHS signal word, GHS Hazard codes and statements, Ingredients and proportions %, etc.

HAZARD	REVIEW	MATERIAL_NAME	VERSION	ISSUE_DATE	CATALOGUE_NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC
		Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H401 (Cat 2)	2.5e	18/12/2018	152378	3	None	None	III	




  

**Print**

**Laboratory Reagent**

INGREDIENTS: WATER-180, 14314-42-2, 30 %;  
SULFURIC ACID, 7864-93-9, 60 %

**Danger**




Hazard Codes/Statements: H226 - Flammable liquid and vapour; H330 - Fatal if inhaled; H314 - Causes severe skin burns and eye damage; H317 - May cause an allergic skin reaction; H401 - Toxic to aquatic life.

Precautionary statement(s): Keep away from heat/sparks/open flames/hot surfaces. - No smoking; Do not breathe dust/fume/gas/mist/vapour/spray. Use only outdoors or in a well-ventilated area. - Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position

**Laboratory Reagent**

INGREDIENTS: WATER-180, 14314-42-2, 30 %;  
SULFURIC ACID, 7864-93-9, 60 %

**Danger**

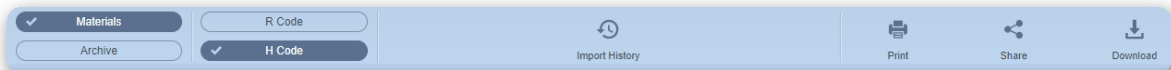
Hazard Codes/Statements: H226 - Flammable liquid and vapour; H330 - Fatal if inhaled; H314 - Causes severe skin burns and eye damage; H317 - May cause an allergic skin reaction; H401 - Toxic to aquatic life.

Precautionary statement(s): Keep away from heat/sparks/open flames/hot surfaces. - No smoking; Do not breathe dust/fume/gas/mist/vapour/spray. Use only outdoors or in a well-ventilated area. - Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position


## 6.2 Other Credo Attributes

### The Credo Toolbar

Use the Credo toolbar to change the hazard H codes (default in this case) to risk codes, archive mixture, materials or import history, print, share or download.




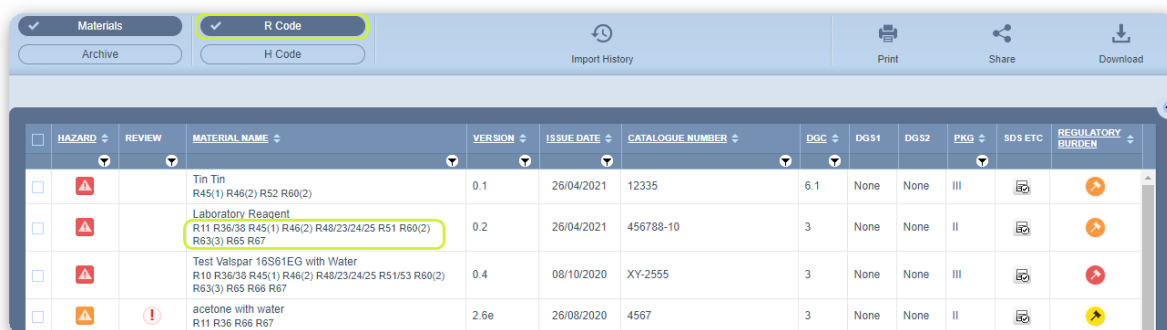
### H Codes Display

Select  the **H Code** button to switch the list display to Risk Codes classification data on the grid.

HAZARD	REVIEW	MATERIAL_NAME	VERSION	ISSUE_DATE	CATALOGUE_NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
		Tin Tin H302 (Cat 4), H315 (Cat 2), H319 (Cat 2A), H332 (Cat 4), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H411 (Cat 2)	0.1	26/04/2021	12335	6.1	None	None	III		
		Laboratory Reagent H225 (Cat 2), H304 (Cat 1), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1)	0.2	26/04/2021	456788-10	3	None	None	II		
		Test Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H317 (Cat 1), H319 (Cat 2A), H334 (Cat 1), H336 (Cat 3), H340 (Cat 1B), H351 (Cat 2), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2)	0.4	08/10/2020	XY-2555	3	None	None	III		


## Risk Codes Display

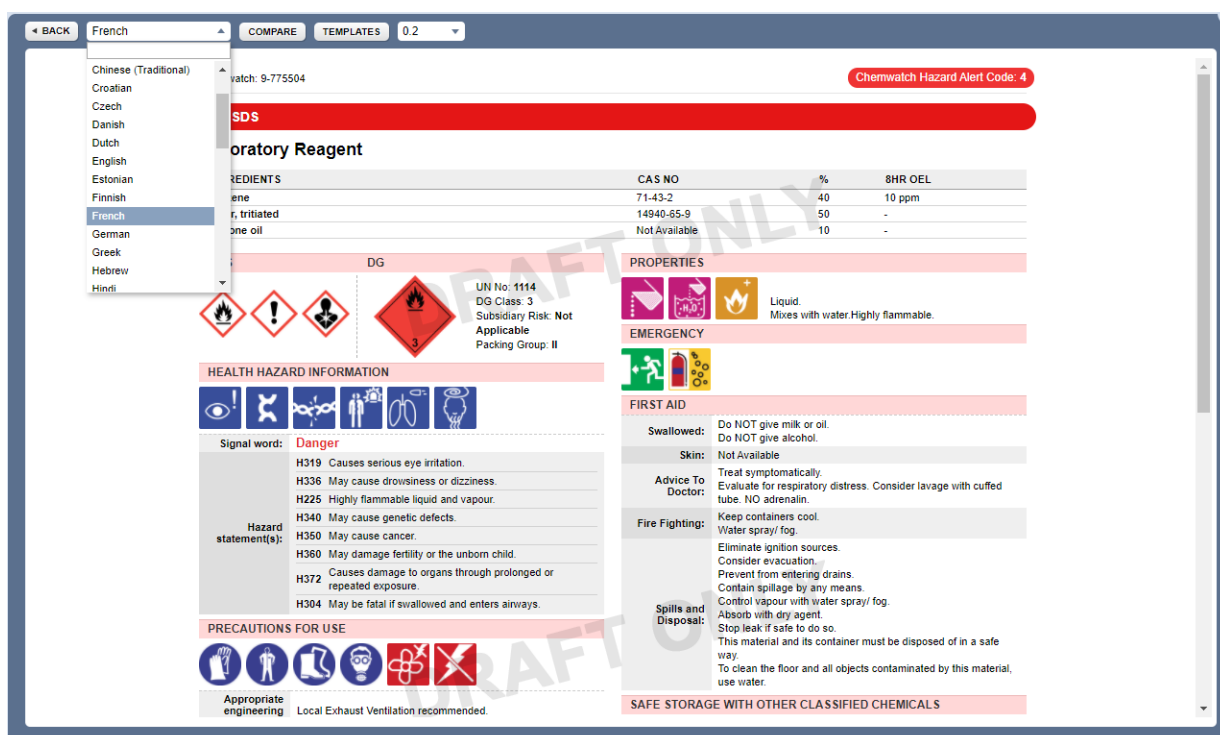
Select  the **R Code** button to switch the list display to Risk Codes classification data on the grid.



HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DG51	DG52	PKG	SDS ETC	REGULATORY BURDEN
		Tin Tin R45(1) R46(2) R52 R60(2)	0.1	26/04/2021	12335	6.1	None	None	III		
		Laboratory Reagent R11 R36/38 R45(1) R46(2) R48/23/24/25 R51 R60(2) R63(3) R65 R67	0.2	26/04/2021	456788-10	3	None	None	II		
		Test Valspar 16S61EG with Water R10 R36/38 R45(1) R46(2) R48/23/24/25 R51/53 R60(2) R63(3) R65 R66 R67	0.4	08/10/2020	XY-2555	3	None	None	III		
		acetone with water R11 R36 R66 R67	2.6e	26/08/2020	4567	3	None	None	II		

## Display Mini SDS in another Language

Select  the Language drop-down option to apply a different language, e.g., French and then display a report document, e.g., Mini SDS in French.



French

COMPARE TEMPLATES 0.2

Chemwatch: 9-775504 **Chemwatch Hazard Alert Code: 4**

### SDS

#### Laboratory Reagent

INGREDIENTS	CAS NO	%	8HR OEL
ene	71-43-2	40	10 ppm
r, tritiated	14940-65-9	50	-
one oil	Not Available	10	-

UN No: 1114  
DG Class: 3  
Subsidiary Risk: Not Applicable  
Packing Group: II

**HEALTH HAZARD INFORMATION**

Signal word: **Danger**

Hazard statement(s):  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H225 Highly flammable liquid and vapour.  
 H340 May cause genetic defects.  
 H350 May cause cancer.  
 H360 May damage fertility or the unborn child.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 H304 May be fatal if swallowed and enters airways.

**PRECAUTIONS FOR USE**

Appropriate engineering Local Exhaust Ventilation recommended.


**PROPERTIES**  
Liquid.  
Mixes with water Highly flammable.

**FIRST AID**

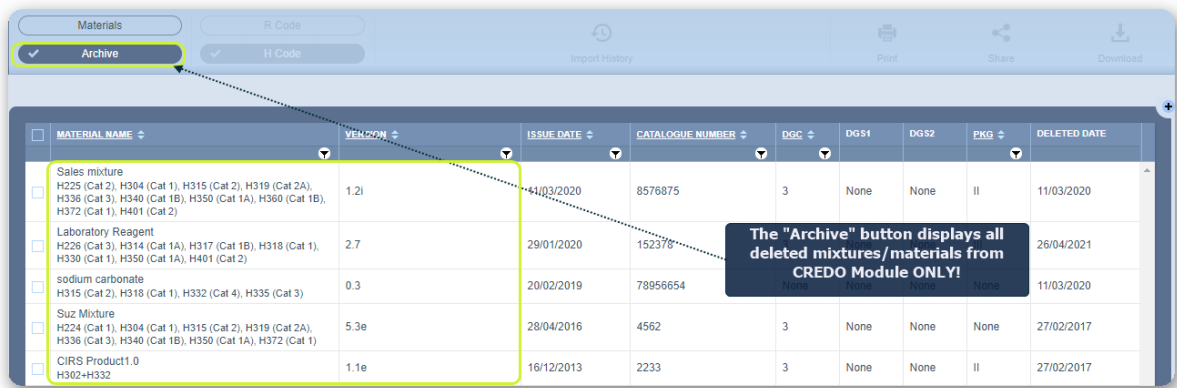
Swallowed: Do NOT give milk or oil. Do NOT give alcohol.  
 Skin: Not Available  
 Advice To Doctor: Treat symptomatically. Evaluate for respiratory distress. Consider lavage with cuffed tube. NO adrenalin.  
 Fire Fighting: Keep containers cool. Water spray/ fog. Eliminate ignition sources. Consider evacuation. Prevent from entering drains. Contain spillage by any means. Control vapour with water spray/ fog. Absorb with dry agent. Stop leak if safe to do so. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water.

**SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS**

## Archived Material Mixtures

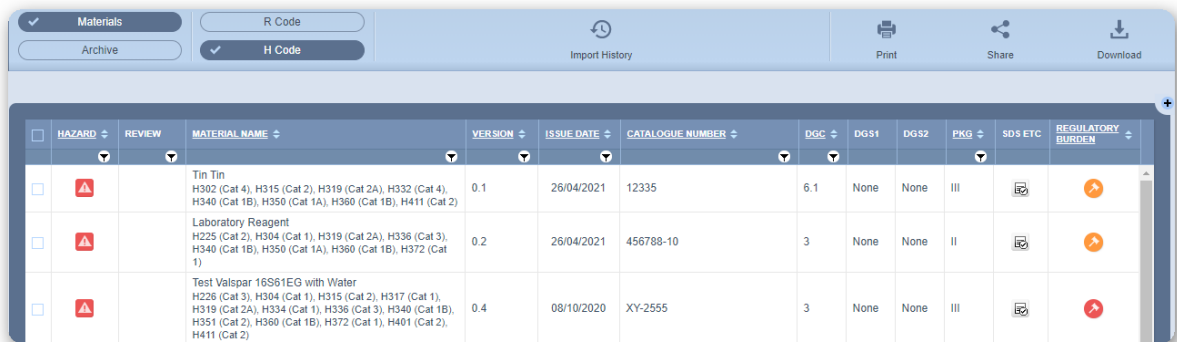
Select  the Archive button from the toolbar to shown any archived (deleted/removed) material mixture(s) from the CREDO module only.





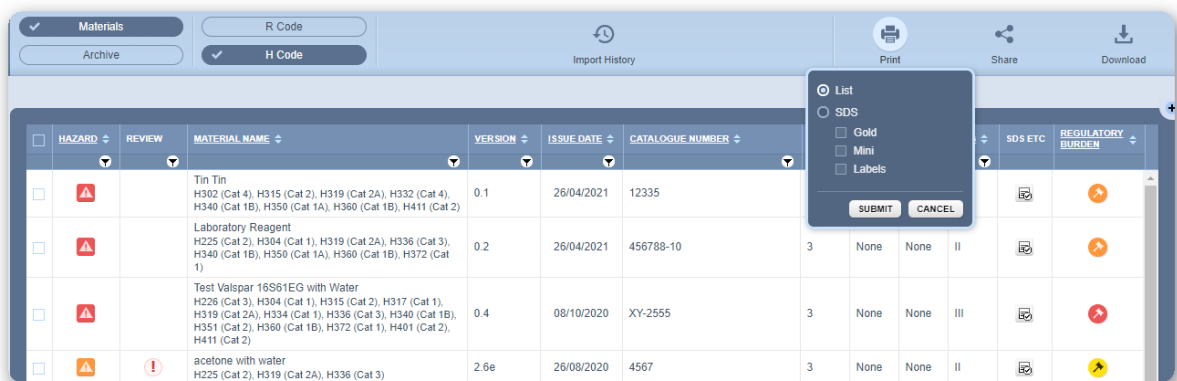
## Materials (Mixtures)

Select the Materials button from the Credo toolbar to go back to the current material mixtures list in Credo module.



## Other Credo Attributes

Use the **Print** , **Share** or **Download** options from the CREDO Toolbar to generate material mixture reports.



Use the information icon to find out more information related to an update about the mixture or ingredient updated (which may affect the overall hazard rating of your material mixture).

<input type="checkbox"/>			acetone with water H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3) Thinner Solv	2.6e	26/08/2020	4567	3	None	None	II		
<input type="checkbox"/>			Ingredient(s) within this mixture has been updated, please review and publish SDS 1B), H372 (Cat 1), H401 (Cat 2)		01/2020	1234	3	None	None	II		
<input type="checkbox"/>			test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1), H402 (Cat 3)	2.5i	18/11/2019	test mixture	3	None	None	II		

## Search for a Material Mixture from Own CREDO Inventory List

The material mixtures created can also be searched from;

- Own within this module or
- Own collection (inventory for the domain) to add it into a particular folder similar to any other material in your inventory and also conduct risk assessments.

### Search from Own in CREDO SEARCH Tab

Use the SEARCH tab to look for an existing mixture that you created.

The screenshot shows the CREDO interface with the 'SEARCH' tab selected. The search input field contains 'laboratory reagent'. The search results table displays the following information:

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DSC	D011	D032	PKG	SDS ETC	REGULATORY SUBLEN
		Laboratory Reagent H225 (Cat 2), H304 (Cat 1), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1)	0.2	26/04/2021	456788-10	3	None	None	II		

### Search from Own in main search panel in CREDO

Use the main search panel from thin CREDO to perform an entire search from your inventory collection.

The screenshot shows the main search panel in CREDO. The search input field contains 'laboratory agent'. The search results table displays the following information:

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DSC	D011	D032	PKG	SDS ETC	REGULATORY SUBLEN
		Laboratory Reagent H225 (Cat 2), H304 (Cat 1), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1)	1.2)	26/04/2021	456788-10	3	None	None	II		

## 6.3 Credo Improvements

The Credo module has been enhanced as per the following components.

- pH as a Solution for Gold, VGD and UGD
- Catalogue Number changes to Part Number in Product Identification
- Full Disclosure Ingredients Gold



### 6.3.1 pH as 1% Solution for Gold, VGD and UGD

The “pH as a Solution” data point name has not been clearer for users of Credo module. Also, the output data only had the value added on the “pH as a solution” field (shown in the green arrow below) and ignored the value-added on the “at” field (shown in the yellow arrow below).

The screenshot shows a software interface for entering chemical data. It includes a table for components with columns for 'NAME/CAS NO.' and 'PROPORTION %'. Below the table are various property fields such as 'State', 'Water Solubility', 'pH', 'Flash Point (C)', 'Lower Explosive Limit (%)', 'Boiling point/Range (C)', 'SG/Density (g/cm3)', 'Upper Explosive Limit (%)', and 'Melting point/Range (C)'. The 'pH' field is set to 3.30. The 'pH as a solution' field is set to 4, and the 'at' field is set to 20%. A green box highlights the 'pH as a solution' field with a green arrow pointing to it, and a yellow box highlights the 'at' field with a yellow arrow pointing to it.

These changes are:

- Change on data points name
- Concatenation of the data points values

#### 1. Change on data points name:

(WS*/API**) Current Data Points Name	New (WS/API) Data Points Name	(RG***) Current Data Point Name	New (RG) Data Point Name
PHAs1PercentSolutionVGD	PHAsPercentSolutionVGD(%)	PH AS 1% SOLUTION VGD	PH AS % SOLUTION VGD (%)
PHAs1PercentSolutionUGD	PHAsPercentSolutionUGD(%)	PH AS 1% SOLUTION UGD	PH AS % SOLUTION UGD (%)

\* Web Services (WS)

\*\* Application Programming Services (API)

\*\*\* Report Generator (RG)

- Values from “pH as a solution” and “at” fields found on the extraction tools are concatenated now to generate the new output for all three datapoints on WS/API and RG.

New (WS/API) Data Points Name	New (RG) Data Point Name	Notes
PHAs1PercentSolutionGOLD	PH AS 1% SOLUTION GOLD	The concatenated rule applies only to SDS authored by AuthorITe or Credo. The rule won't be applied to GOLD and We-Write SDS's. because they are always generated at 1% solution
PHAsPercentSolutionVGD(%)	PH AS % SOLUTION VGD (%)	
PHAsPercentSolutionUGD(%)	PH AS % SOLUTION UGD (%)	

CREDITE POSTERI

NAME/CAS NO. PROPORTION %

1 isodecanol, ethoxylated <10

2

3

State Liquid

Water Solubility --Select--

pH ? pH as a solution 7 ?

at 3 %

Flash Point (C) ? SG/Density (g/cm3) ?

	A	B	C
1	pH as solution (field)	at (field)	PH AS % SOLUTION GOLD/VGD (%)
2	x		x()
3	x	y	x(y)

New Output

Previous output PH AS 1% SOLUTION UGD Data Point





	A	B	C	D	E	F
1	CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	PH AS 1% SOLUTION UGD	FOLDERS/STORES NAME
2	49-5565	Gleitmo 605	Gleitmo 605	Fuchs	7	ENTERPRISE/FOLDES/DT/Gold Vs VGD
3						

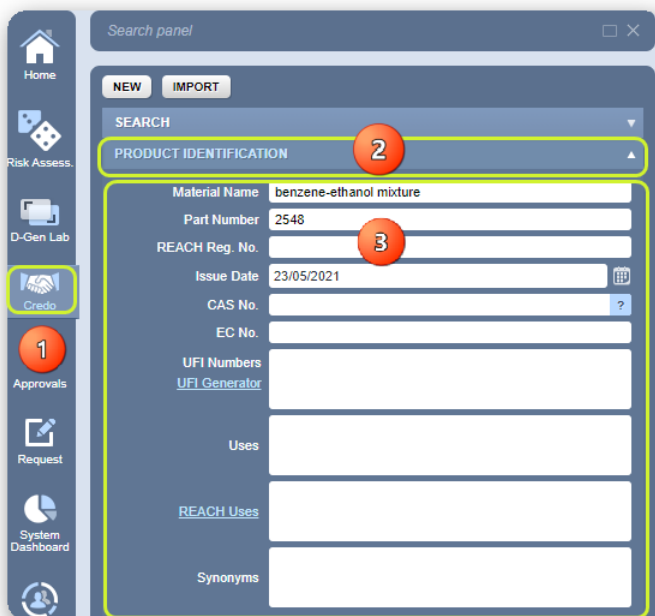
New Output PH AS % SOLUTION UGD (%) Data Point

	A	B	C	D	E	F
1	<b>CHEMWATCH NUMBER</b>	<b>MATERIAL NAME</b>	<b>CATALOGUE NAME</b>	<b>VENDOR</b>	<b>PH AS 1% SOLUTION UGD (%)</b>	<b>FOLDERS/STORES NAME</b>
2	49-5565	Gleitmo 605	Gleitmo 605	Fuchs	7 (3)	ENTERPRISE/FOLDES/DT/Gold Vs VGD

The steps below show are to create a mixture and assign values to the pH as % solution datapoint fields.

### Steps: Creating a mixture and Assing pH as a Solution

1. Press  the **CREDO module button**  if it's not already the default module).
2. Click  the **Product Identification** tab.
3. **Fill up** the following information in the respective fields to identify the mixture. Use the calendar icon  to change the Issue Date.



Search panel

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name benzene-ethanol mixture

Part Number 2548

REACH Reg. No.

Issue Date 23/05/2021

CAS No. ?

EC No.



UFI Numbers

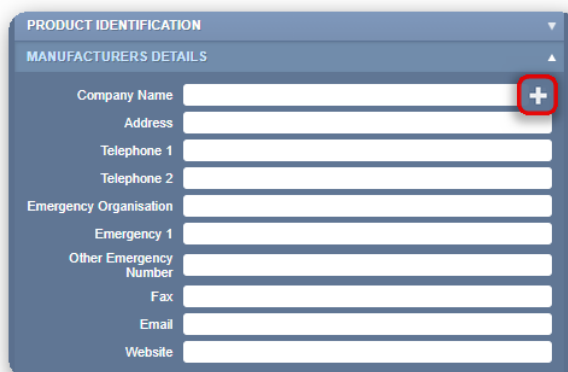
UFI Generator

Uses

REACH Uses


Synonyms

4. Click  the **Manufacturer Details** tab.
5. Click  the **Add** icon to create your own preferred manufacturer detail as this mixture will be created by user.



PRODUCT IDENTIFICATION

MANUFACTURER'S DETAILS

Company Name 

Address

Telephone 1

Telephone 2

Emergency Organisation


Emergency 1

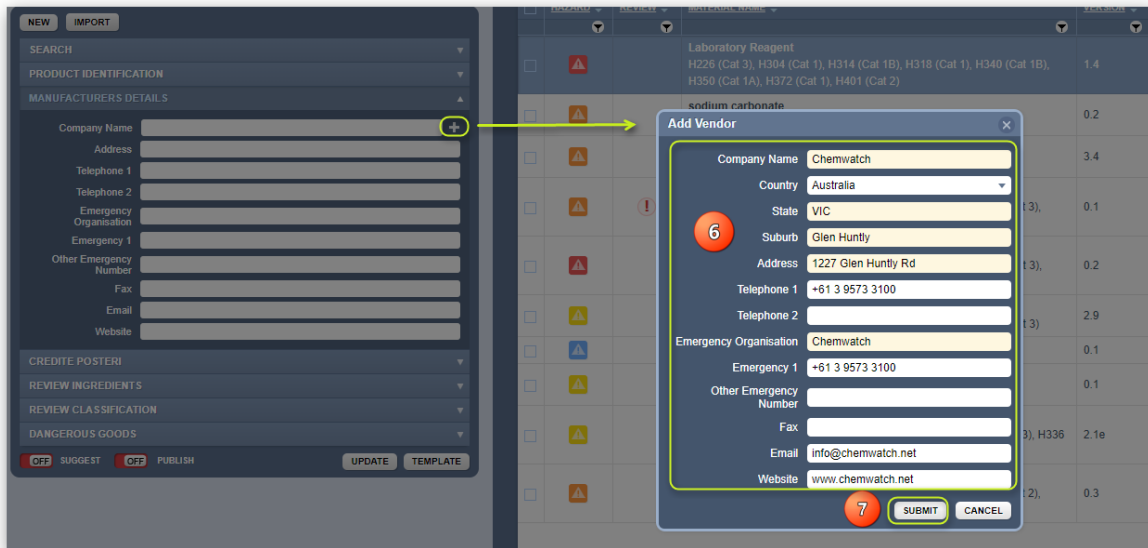
Other Emergency Number


Fax

Email

Website

- Type **organisation/company details**; name, address, contact, emergency information and website (if applicable).
- Press  the **Submit** button from the Add Vendor Panel.



 Note that the Manufacturer Details will be shown in the label once mixture has been saved into the system.

**MANUFACTURERS DETAILS**

Company Name

Address

Telephone 1

Telephone 2

Emergency Organisation



Emergency 1

Other Emergency Number

Fax

Email

Website

- Click  the **Credite Posteri** tab.
- Type the **1<sup>st</sup> Ingredient name**, **2<sup>nd</sup> Ingredient name** and or **3<sup>rd</sup> Ingredient name**, etc. in each field.
- Select  the **Ingredient(s) name** from the autocomplete list. Use the Hazards Code switch to view hazardous chemical classification codes (H codes) for each ingredient.

NAME/CAS NO.	PROPORTION %	HAZARD CODES
1 benzen	0	
2		
3		
4 benzene		H225 (Cat 2), H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H433 (Cat 3), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H402 (Cat 3), H413 (Cat 4), H350 (Cat 1)
benzene-D1	1120-89-4	H225 (Cat 2), H303 (Cat 5), H304 (Cat 1), H313 (Cat 5), H315 (Cat 2), H372 (Cat 1), H333 (Cat 5), H336 (Cat 3), H340 (Cat 1), H350 (Cat 1), H319 (Cat 2A)
benzene-D6	1076-43-3	H225 (Cat 2), H302 (Cat 4), H304 (Cat 1), H313 (Cat 5), H315 (Cat 2), H372 (Cat 1), H333 (Cat 5), H336 (Cat 3), H340 (Cat 1), H350 (Cat 1), H319 (Cat 2A)
benzene-U-14C	27271-55-2	H225 (Cat 2), H303 (Cat 5), H304 (Cat 1), H313 (Cat 5), H315 (Cat 2), H372 (Cat 1), H333 (Cat 5), H336 (Cat 3), H340 (Cat 1), H351 (Cat 2), H320 (Cat 2B)
benzeneselenol	645-96-5	H227 (Cat 4), H301 (Cat 3), H313 (Cat 5), H410 (Cat 1), H373 (Cat 2), H400 (Cat 1), H330 (Cat 2)
benzene-1,3,5-D3	1684-47-5	H225 (Cat 2), H303 (Cat 5), H304 (Cat 1), H313 (Cat 5), H315 (Cat 2), H372 (Cat 1), H333 (Cat 5), H336 (Cat 3), H340 (Cat 1), H350 (Cat 1), H319 (Cat 2A)

11. Click the **Ingredients' proportion %** fields alongside each ingredient and enter the composition % proportions.

NAME/CAS NO.	PROPORTION %
1 benzene	50
2 ethanol	10
3 water	40
4	

12. Enter other physical properties where applicable, e.g., State = Liquid, Water solubility = Miscible, etc.

13. Set **pH as a solution** to "Value" from the drop-down list, e.g., 7.

State: Liquid

Water Solubility: Miscible

pH: Not Available

pH as a solution: Value

at: 14 %

Flash Point (C): Not Available

SG/Density (g/cm3): Not Available

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

14. Click the "at %" field to type the value, e.g., 40.

CREDITE POSTERI






NAME/CAS NO.	PROPORTION %
1 benzene	60
2 ethanol	10
3 water	40
4	

State: Liquid

Water Solubility: Miscible

pH: Not Available

pH as a solution: 7 ?  
at 40 %


- Click  the **Review Ingredients** tab.
- Click  **GHS (CLP)** button to switch to GHS classification
- Click  the **Sanitise** button to turn it on (optional for sanitising your ingredients/proportion).
- Click  the **Edit** icon  to activate edit function for an ingredient row.
- Type the Sanitisation name of the ingredient(s) including % proportion range.

REVIEW INGREDIENTS

GHS(CLP)  C&L

SANITISED VIEW  AUTO

NAME/CAS NO.	PROPORTION %
ethanol	10
alcohol	5-15
H225 (Cat 2), H319 (Cat 2)	
water	40
water	30-40
benzene	60
arene	400-60
H225 (Cat 2), H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H402 (Cat 3), H413 (Cat 4), H433 (Cat 3)	

- Press  the **Submit** button. Proportion data will be normalised when total ingredient concentration for the mixture is greater than 100%. Message gets displayed for information.

**Proportion data normalised.**  
 When the total ingredient concentration for the mixture is greater than 100%, the system will automatically normalise the data.  
 E.g. If Ingredient A is 90-100% and Ingredient B is 25% then it will be recalculated to show  
 Ingredient A as 78.26 - 86.9  
 Ingredient B as 21.74.

- Select relevant **target organs or biological system(s) affected** for specific hazard code category (GHS), e.g., Respiratory.



HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	PART NO
<input type="checkbox"/>		benzene-ethanol mixture H225 (Cat 2), H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2), H433 (Cat 3)	0.1	18/05/2021	2548
<input type="checkbox"/>				26/04/2021	456788-10
<input type="checkbox"/>				26/04/2021	12335
<input type="checkbox"/>				26/04/2021	123343
<input type="checkbox"/>				08/10/2020	XY-2555
<input type="checkbox"/>				26/08/2020	4567
<input type="checkbox"/>				29/01/2020	1234
<input type="checkbox"/>		H225 (Cat 2), H303 (Cat 5), H311 (Cat 3), H315 (Cat 2), H319 (Cat 2A), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H402 (Cat 3)	2.5i	18/11/2019	test mixture

**STOT Selection**

Please select the relevant target organ(s) or biological system(s) affected by this toxicity for H372 (Cat 1)

- Biochemical
- Blood
- Bone
- CardiovascularSystem
- EndocrineSystem
- GastrointestinalSystem
- Kidneys
- Liver
- LymphaticSystem
- RespiratorySystem
- Skin
- Teeth
- VascularSystem

OK

22. Select the appropriate route of exposure where applicable, e.g., Oral and click the OK button.

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	PART NO
<input type="checkbox"/>		benzene-ethanol mixture H225 (Cat 2), H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2), H433 (Cat 3)	0.1	18/05/2021	2548
<input type="checkbox"/>		Laboratory Reagent H225 (Cat 2), H304 (Cat 1), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H413 (Cat 4), H433 (Cat 3)	1.2i	26/04/2021	456788-10
<input type="checkbox"/>		Tin Tin H302 (Cat 4), H315 (Cat 2), H319 (Cat 2), H332 (Cat 4), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H411 (Cat 2)	0.1	26/04/2021	12335
<input type="checkbox"/>				26/04/2021	123343
<input type="checkbox"/>				08/10/2020	XY-2555
<input type="checkbox"/>				26/08/2020	4567

**Route of Exposure**

Please select the appropriate route of exposure.

- Oral
- Dermal
- Inhalation

OK

23. Click the OK button.

24. Press the **Dangerous Good tab** to look up UN number, in this case UN 1114 for benzene.

**DANGEROUS GOODS**

UN/ID Number

DG Class

Sub Risk 1


Sub Risk 2

Packing Group

Poisons Schedule

Shipping Name

[N.O.S. Ing lookup](#)

25. Press  the **Publish** button on the bottom middle of the Credo Form window and select the “Internal” to enable the system to save the mixture into your inventory.



**benzene-ethanol mixture**  
Chemwatch  
Product Number: 2548  
Version No: 0.3.5.1  
Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 4  
Issue Date: 23/05/2021  
Print Date: 23/05/2021  
L.GHS.AUS.EN

**SECTION 1 Identification of the substance / mixture and of the company / undertaking**

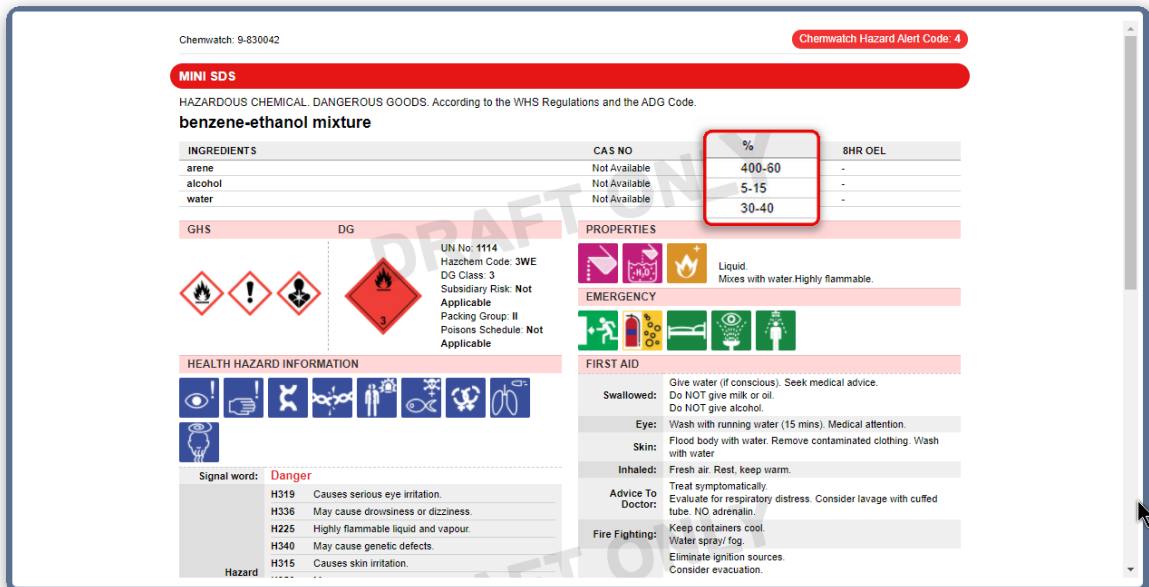
Product Identifier

Product name	benzene-ethanol mixture
Chemical Name	Not Applicable
Proper shipping name	BENZENE
Other means of identification	2548

26. The mixture’s material name gets displayed within the material list showing the following columnar data; Version Number, Issue Date, Catalogue Number, DGC, DGS1, DGS2, PKG and SDS ETC.

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	PART NO	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
		benzene-ethanol mixture H225 (Cat 2), H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2), H433 (Cat 3)	0.2	23/05/2021	2548	3	None	None	II		

### Sanitised mixture’s Mini SDS



Chemwatch 9-830042  
Chemwatch Hazard Alert Code: 4

**MINI SDS**

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

**benzene-ethanol mixture**

INGREDIENTS	CAS NO	%	8HR OEL
arene	Not Available	400-60	-
alcohol	Not Available	5-15	-
water	Not Available	30-40	-

**GHS**      **DG**      **PROPERTIES**

UN No: 1114  
Hazard Code: 3WE  
DG Class: 3  
Subsidiary Risk: Not Applicable  
Packing Group: II  
Poisons Schedule: Not Applicable

**EMERGENCY**

**FIRST AID**

Swallowed: Give water (if conscious). Seek medical advice. Do NOT give milk or oil. Do NOT give alcohol.

Eye: Wash with running water (15 mins). Medical attention.

Skin: Flood body with water. Remove contaminated clothing. Wash with water.

Inhaled: Fresh air. Rest. keep warm.

Advice To Doctor: Treat symptomatically. Evaluate for respiratory distress. Consider lavage with cuffed tube. NO adrenalin.

Fire Fighting: Keep containers cool. Water spray/ fog. Eliminate ignition sources. Consider evacuation.

**HEALTH HAZARD INFORMATION**

Signal word: **Danger**

H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H225 Highly flammable liquid and vapour.  
H340 May cause genetic defects.  
H315 Causes skin irritation.

Hazard .....

### 6.3.2 Catalogue Name Changed to Part Number

The Catalogue Name has been changed to Part Number in the Product Identification form in order to unify and functionalise “Part Number” across all our systems which includes DGen

Lab and Report Generator due to increasing demand to make “Catalogue Number” searchable via the elastic search on the Home module.

Former Product Identification – Catalogue Number Field

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name

**Catalogue Number**

REACH Reg. No.

Issue Date 24/05/2021

CAS No.

EC No.

Current Product Identification – Part Number Field

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name

**Part Number**

REACH Reg. No.

Issue Date 24/05/2021

CAS No.

EC No.

UFI Numbers

[UFI Generator](#)

The generated SDS will also reflect the respective part number at the top header as shown below.

**Wall Paint**  
**Chemwatch**

Product Number: 25490 ← "Display part number" settings

Version No. 0-2-0-1  
Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

---

**SECTION 1 Identification**

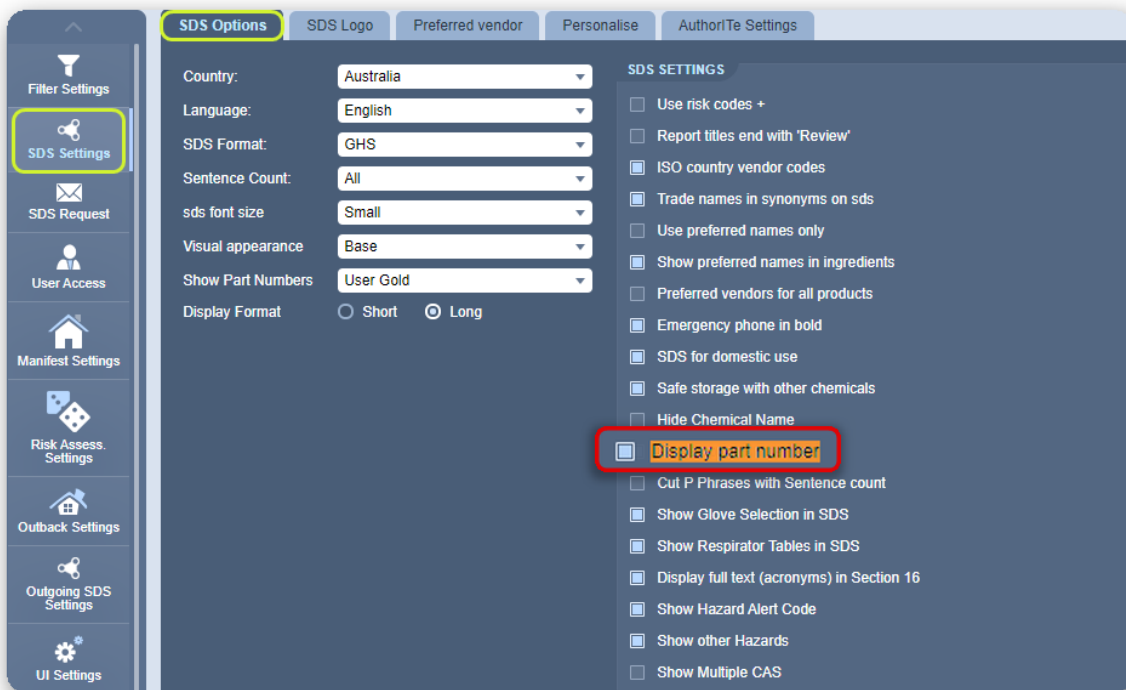
**Product Identifier**

Product name	Wall Paint
Chemical Name	Not Applicable
Synonyms	Not Available
Other means of identification	25490 ← "Show Part Numbers" settings

DRAFT ONLY

There are two options to show Part Numbers on the SDS:

1. To show Part Numbers on the Header of the SDS, check the “**Display part number**” checkbox in SDS Settings.

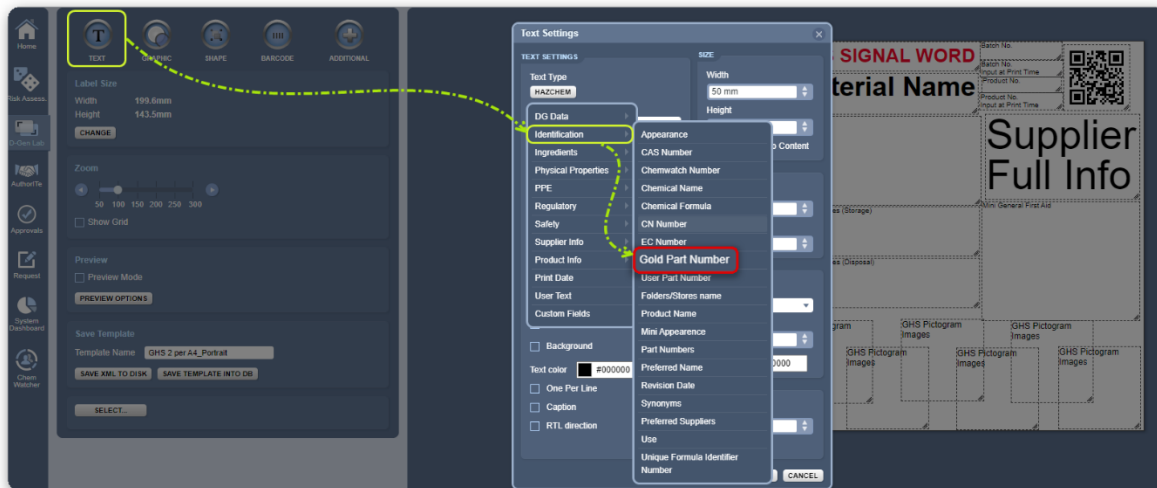


2. To show Part Numbers under Section 1 “Other means of identification”, make sure your “**Show Part Numbers**” is not set to “None”.

To see your Part Number from your AuthorITe authored SDS in Report Generator, please select “Part No.s User Gold” under Identification Data Point filter.



To add your Part Number from your AuthorITe created SDS in DGen module, please select Text button → Identification → “**Gold Part Number**”.



### 6.3.3 Full Disclosure Ingredients Gold

The Report Generator Mode contains the Full Disclosure datapoints where users could not export sanitized information for SDS from Credo/AuthorITe. This improvement will enable users to use the following features and components with regards to full disclosure ingredients datapoints given that the respective Ingredients Full Disclosure Gold privilege is permitted for users by the domain administrator:

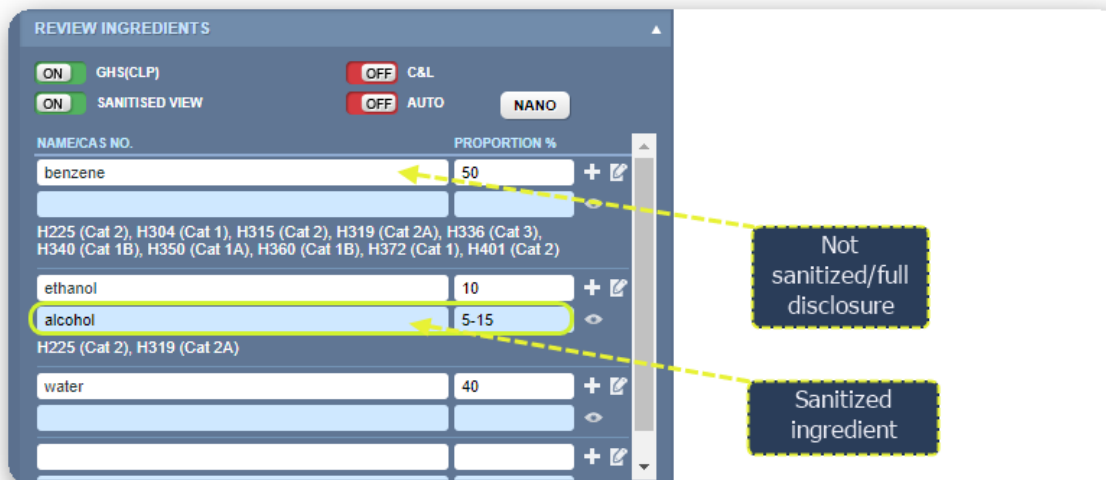
- Creating report template(s) in Advanced Report Generator mode
- Generating reports using Basic Report Generator mode
- Creating search queries in Query Builder mode


**i** Users without the Ingredients Full Disclosure Gold privilege will not be able to search, query or export reports with Ingredients Full Disclosure Gold datapoints when using Report Generator mode. Contact your domain administrator to grant you the respective privilege in order to fully use this function. The privilege when granted will be available for use in CREDO or AuthorITe.

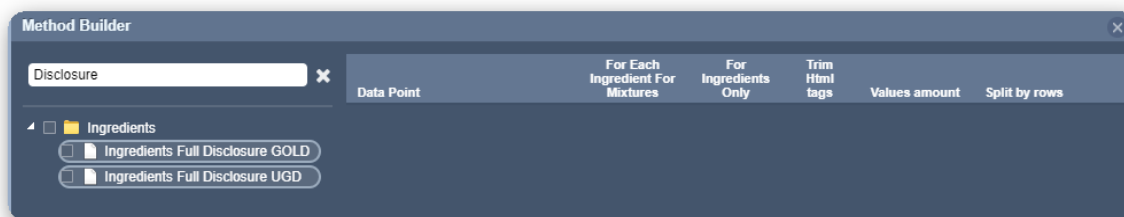
The Ingredients Full Disclosure datapoint for SDS will be fetched from CREDO when exporting data using the Report Generator.

REVIEW INGREDIENTS					
<input checked="" type="checkbox"/> GHS(CLP) <input type="checkbox"/> C&L <input type="checkbox"/> SANITISED VIEW <span>Limited disclosure feature. Turn on to modify substance name and concentration. Auto-sanitised automatically hides all non-hazardous ingredients.</span>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	acetone H315 (Cat 2), H319 (Cat 2A), H335 (Cat 3), H336 (Cat 3)
NAME/CAS NO.	PROPORTION %	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Test Valspar 16S61EG with Water H317 (Cat 1), H340 (Cat 1B), H351 (Cat 2), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2), H411 (Cat 2)
benzene	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	acetone with water H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)
H225 (Cat 2), H304 (Cat 1), H315 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360 (Cat 1B), H372 (Cat 1), H401 (Cat 2)
ethanol	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	test mixture
H225 (Cat 2), H319 (Cat 2A)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
water	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

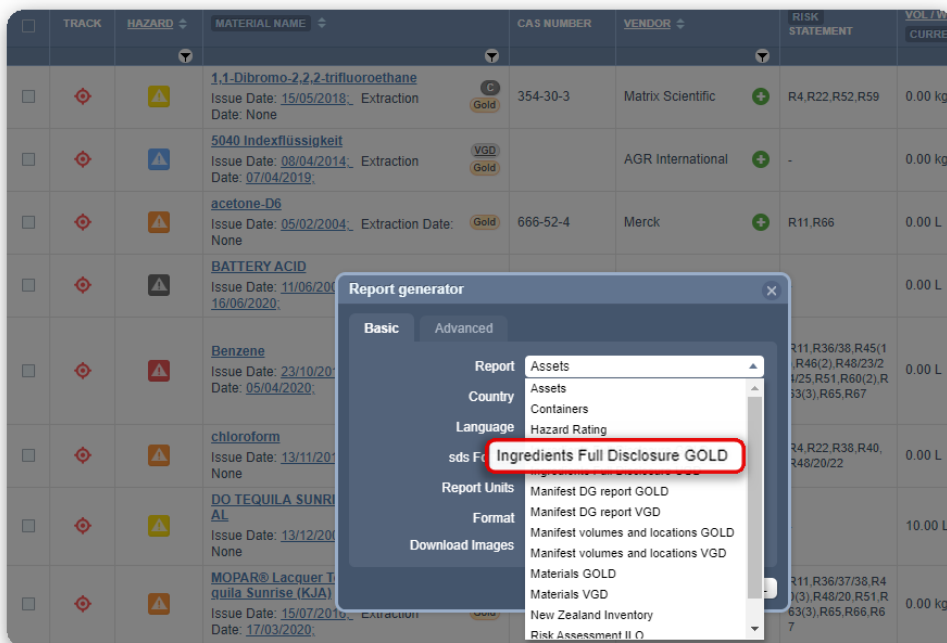
When sanitizing an ingredient, it provides limited disclosure where user can modify the substance name and concentration.



In Report Generator , ingredients data will be fetched retrospectively for all SDS created in CREDO/AutorITe and available within your domain by using the Ingredients Full Disclosure Gold datapoint.

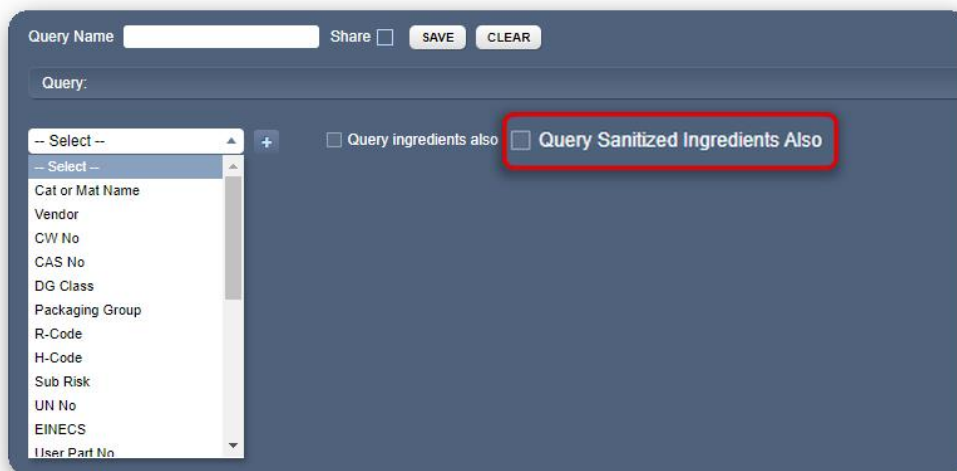


The Basic Report Generator mode provides basic templates to enable users to generate Ingredients Full Disclosure reports, e.g., Ingredients Full Disclosure Gold.



## Query Builder Full Disclosure Ingredients

Full Disclosure Ingredients can also be queried through Query Builder search mode via a newly added optional checkbox “Query Sanitised Indredients Also”.



However, users must be assigned a specific privilege to use this feature to be able to query the database for Full Disclosure Ingredients including Gold sanitised ingredients completed in CREDO/AuthorITe.

**i** If users are not assigned to CREDO/AuthorITe access, the privilege “*Query Sanitised Indredients Also*” checkbox feature will not be visible and hence cannot see queries on sanitised ingredients.

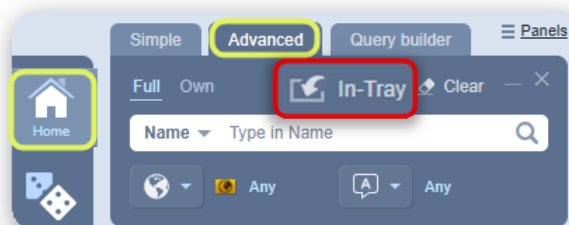
## 7.0 Intray Mode

The primary objective of this chapter is to explore how to use the Intray mode to create intray folders as a temporary repository of special materials of interest for quick access or frequent use to displaying Vendor SDS, Gold SDS, Mini SDS, Labels and Emergency Reports.

- Identify materials in your folders or Chemwatch full collection
- Create intray folders based on a criterion
- Add materials into your categorised intray folders
- Print, share or download materials in intray folders
- Delete intray folders
- Remove intray materials
- Generate Vendor SDS, Gold SDS, Mini SDS, Labels and Emergency Reports



The **Intray** mode is a storage area, where users can create Intray folders to keep materials in order to access various types of reports. The Intray folders can be used as a temporary collection of materials for later viewing or retrieval. The Intray button is available in the **Advanced Search Panel** in Home Module.









The activities below illustrate how to create an intray, add materials into it and display of various types of reports.

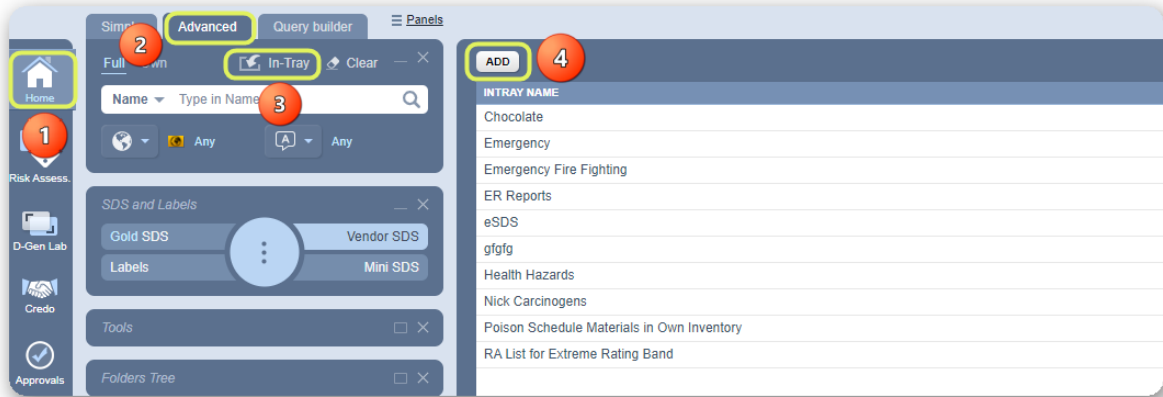
### 7.1 Create an Intray Folder


The following steps illustrate how to create and edit an Intray folder.

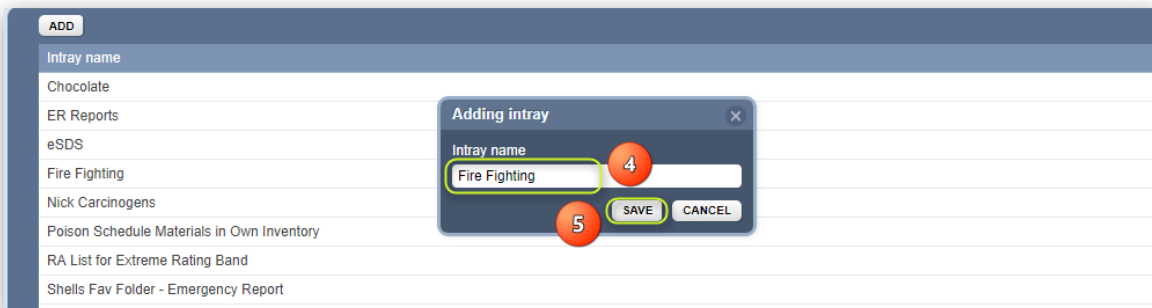
#### Steps: Create an Intray

1. Press  **Home** module  button.
2. Press  **Advanced** tab.
3. Click  on the **Intray** button within the Search Panel.
4. Click  on the **Add** button .

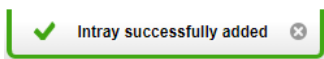




5. Type the **Intray Name**, e.g., Fire Fighting to create an In-tray folder
6. Click  the **Save** button



 A message will be displayed to confirm successful addition.



INTRAY NAME	ACTIONS
Chocolate	Edit Delete
Emergency	Edit Delete
Emergency Fire Fighting	Edit Delete
ER Reports	Edit Delete
eSDS	Edit Delete





## 7.2 Adding Material(s) into an Intray Folder

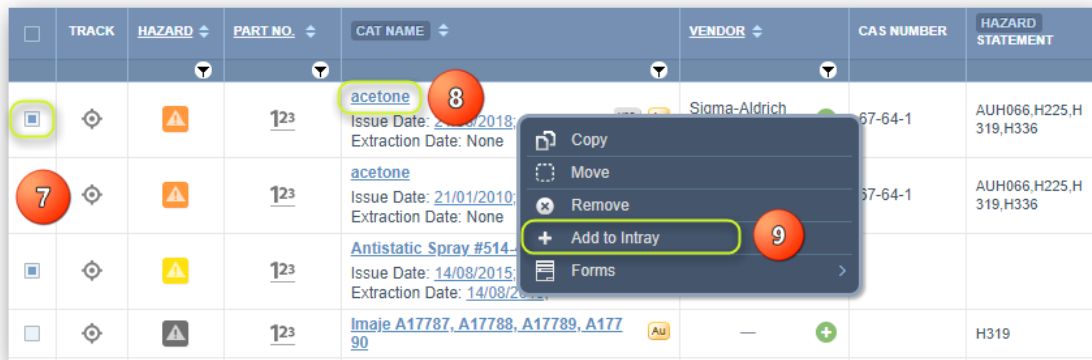
The following steps illustrate how to add a material to an intray.

**i** To add a material to an intray folder, the material must exist in the Chemwatch full collection or in your inventory and you must have an already created intray folder where the material can be added.

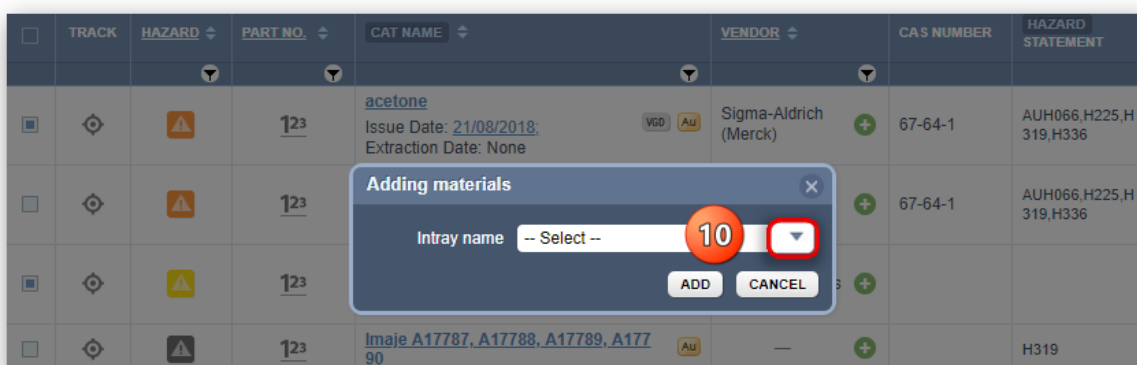
The steps below are a continuation from section 7.1: Create an Intray Folder above.

### Steps: Add Material into an Intray

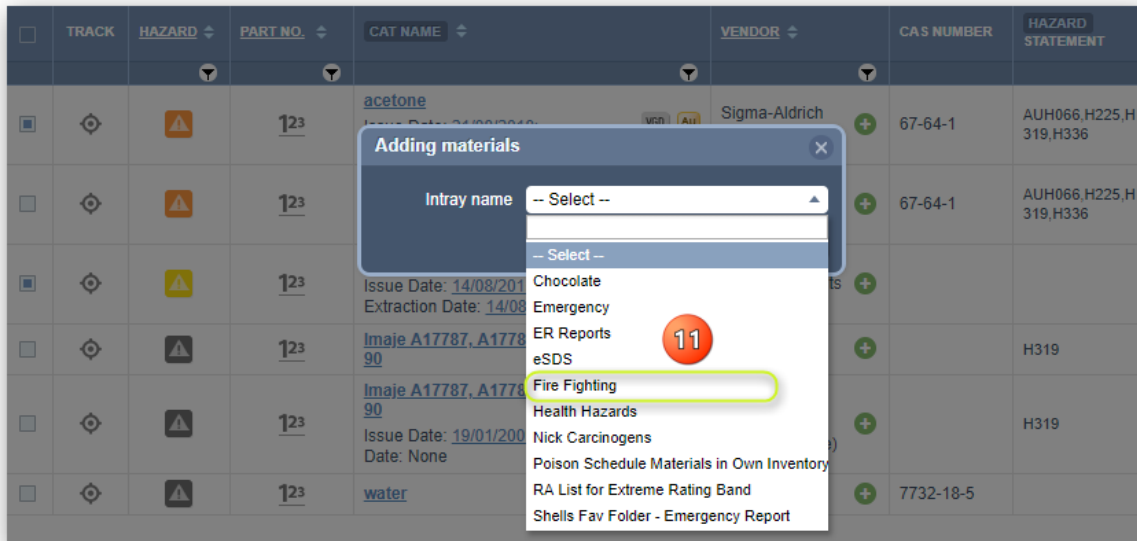
- Click  on a **folder/store** to display a list to choose the material(s) you want to add into the Intray folder. Select checkbox  alongside each material of interest to add multiple materials into the intray folder.
- Right click**  on a material name.
- Select  **Add to Intray** option from the right click options.





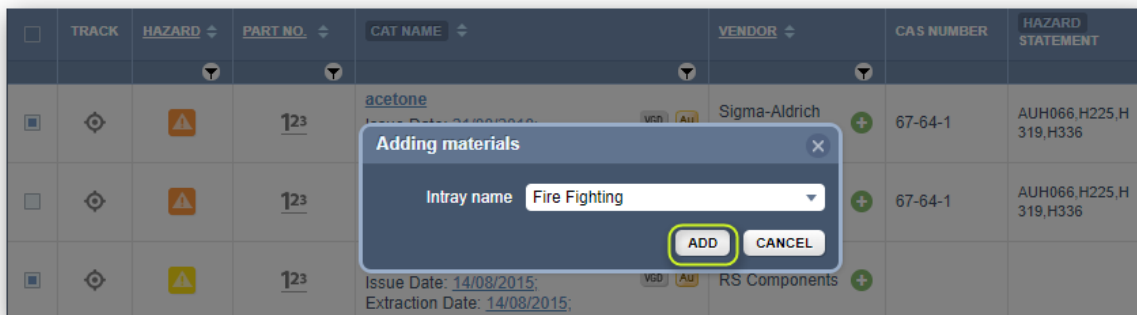
- Click  the **drop-down arrow**  from the add material panel.



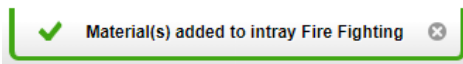
- Select  the **Intray folder** name.



12. Click  the Add button  to the Save record input.








 A message will be displayed to confirm successful addition of material(s).



### 7.2.1 Display a Report for a Material in an Intray Folder

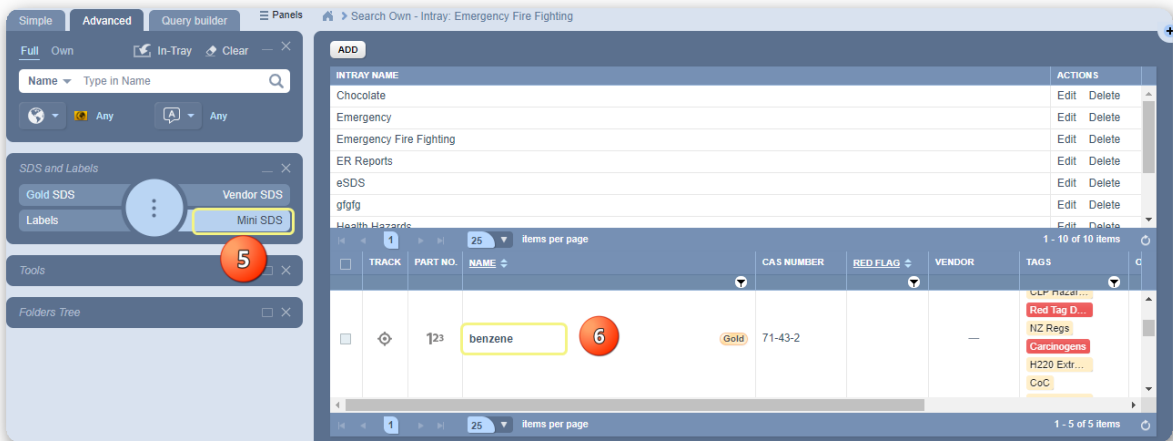
The following steps show how to display a document for a material added into an Intray folder.

#### Steps: Show a Report for a Material in an Intray

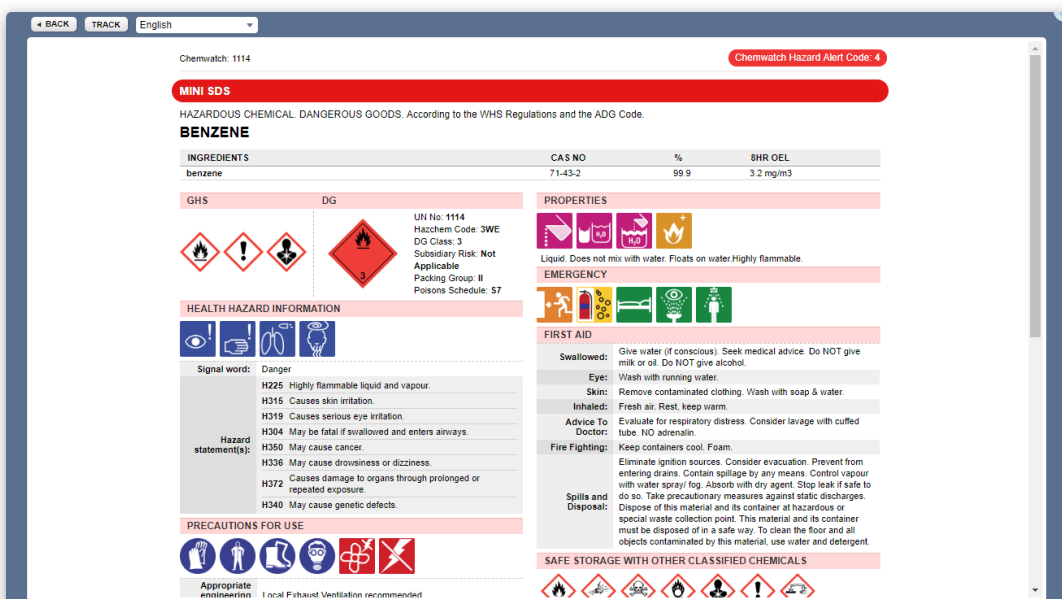
1. Press  Home module  button.
2. Press  Advanced tab.
3. Click  on the **Intray** button within the Search Panel.
4. Click  on the **Intray folder name** to view a list of added materials.



5. Select the **type of report** from the SDS and Labels Panel.
6. Click on the **Material Name** to load the report, e.g. **Mini SDS** button has been selected from the SDS and Labels Panel.






**i** Note that there are five types of reports to choose from within the SDS and Labels Panel; Vendors SDS, Gold SDS, **Mini SDS** (displayed below), Labels and Emergency Reports (First Aid, Fire Fighting, Environmental, SOP, Toxicology, CHINA, Transport ERG and Monographs).

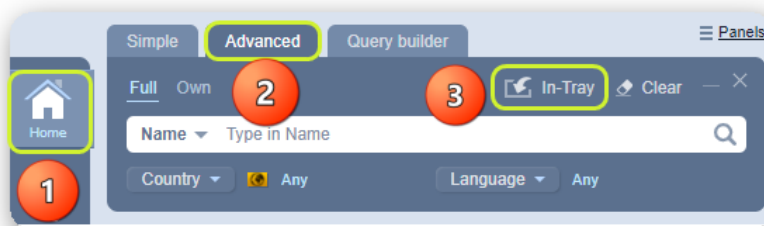


## 7.3 Edit an Intray Name

The following steps illustrate **how to edit to change an Intray name**.


### Steps: Edit an Intray

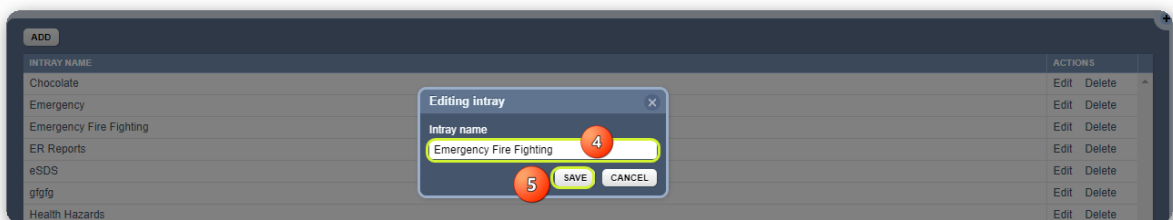
1. Open **Home** module .
2. Press  **Advanced** tab.
3. Click  on **In-Tray** button within the Search Panel.



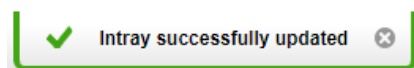
4. Click  the **Edit** link.

INTRAY NAME	ACTIONS
Chocolate	Edit Delete
Emergency	Edit Delete
Emergency Fire Fighting	<b>Edit</b> Delete
ER Reports	Edit Delete
eSDS	Edit Delete
gfgfg	Edit Delete
Health Hazards	Edit Delete

5. **Modify** text for the **Intray name**; e.g., Emergency Fire Fighting.
6. Click  the **Save** button to save changes (message display confirms edition).










 A message will be displayed to confirm successful update.

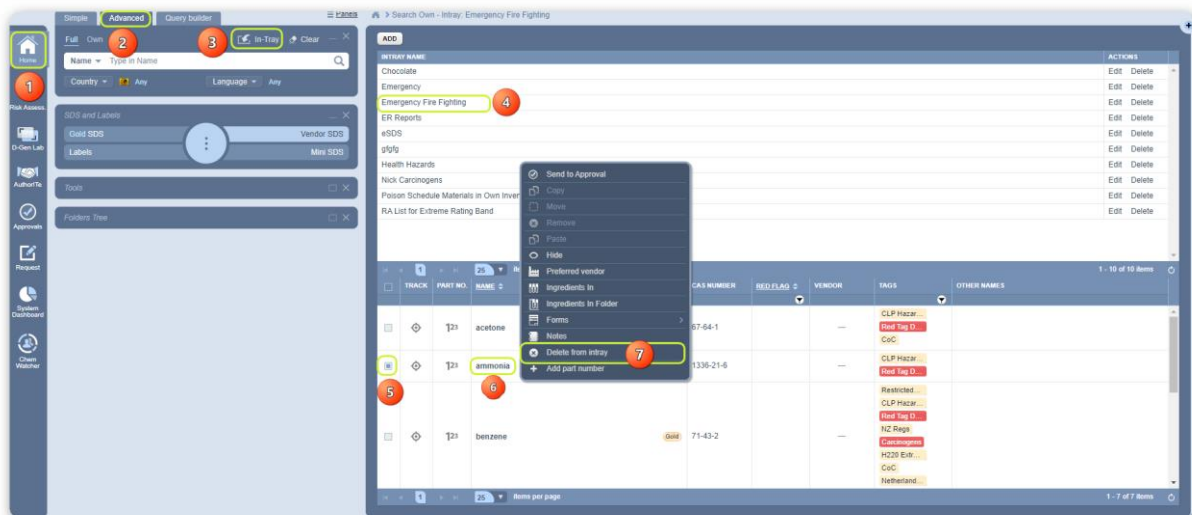


## 7.4 Deleting Material from an Intray Folder

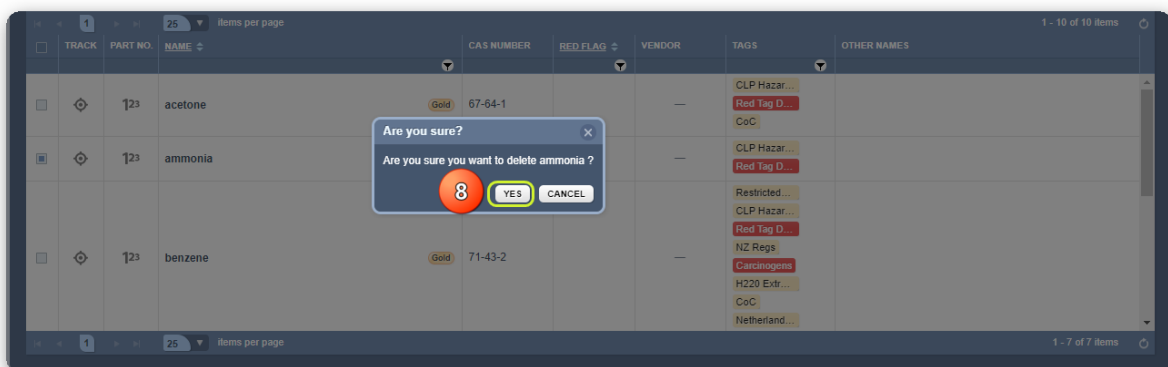
The following steps demonstrate **how to delete material from an Intray folder**.

### Steps: Delete a Material from an Intray

1. Open **Home** module .
2. Click  on **Advanced** tab.
3. Click  on **Intray** button within the Search Panel.
4. Select  **Intray name** to display existing register of materials.
5. Click  on checkbox(es)  alongside a single or multiple materials to remove from Intray
6. **Right click** on material name to display menu options.
7. Select  the **Delete from the Intray** option.



8. Confirm deletion of material by clicking  the **YES** button.






 A message will be displayed to confirm successful deletion of material(s).

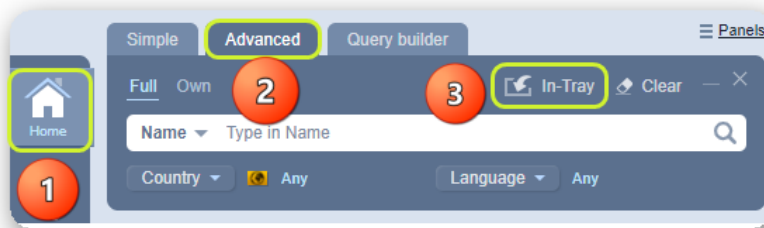


## 7.5 Deleting an Intray Folder

The following steps show **how to delete an Inray folder**.

### Steps: Delete an Inray

1. Open **Home** module .
2. Click  on **Advanced** tab.
3. Click  on **Inray** button within the Search Panel.



4. Select  the **Delete** link from the Actions column alongside an Inray folder name.

Inray name	Actions
Chocolate	Edit Delete
Emergency	Edit Delete
Emergency Fire Fighting	Edit Delete <b>Delete</b>
ER Reports	Edit Delete
eSDS	Edit Delete
Health Hazards	Edit Delete

5. Select  the **YES** button to confirm deletion of the inray folder with its content.

 A message will be displayed to confirm successful deletion of an inray.

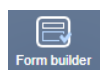


Any inray folder that is deleted from the system including its content will not be archived.

## 8.0 Form Builder (Create Forms)

The primary objective of this chapter is to demonstrate how to use the Form Builder Settings to create forms for internal or external use.

- The type of form to create and/or include saving form history
- Master language to use or if translation is required
- Add standard fields
- Add fancy fields
- Add system fields and draw information using datapoints
- Define fields, labels and set value requirement where applicable
- Publish newly created or edited form
- User accessibility and how to fill forms



**Form Builder** is a powerful database customisation tool which enables organisations to create online forms with questions and labels for the pieces of information to be collected from users for a variety of purposes. In general, these forms are used by respondents through input elements, freeform text boxes, checkboxes, drop-down options, radio buttons, calendar and many more. The collection of information may include employee details, incident occurrence, training attendance, emergency response, chemical risk assessment status, chemical storage, chemical use, etc. depending on the design of the form and the specific information required to be filled by users.



### User Accessibility to Form Builder

The domain administrator of the GoldFFX program within your business or organisation has the arching responsibility to determine which users will be given the permission to access Form Builder Settings in order to create or edit forms that will in turn be used by others.

Form Builder allows permitted users to create unlimited data points and associate them with chemicals, folders/locations, persons/employees or any other type of data. Corresponding database fields are created automatically and can be populated automatically or manually using forms. User custom data is stored in a secure, user-specific database and can be used for:

- Searching
- Generating custom reports
- Showing information on labels
- Showing on Documents
- Building queries



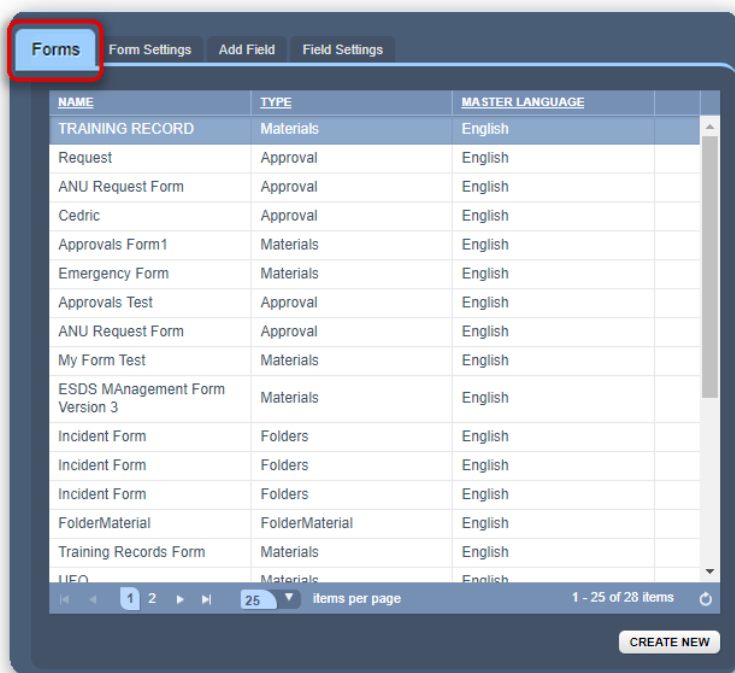
This tool allows users create and edit forms that may contain any of the following type of fields through various tabs.

- Plain input text fields
- Multi-line text fields
- Checkbox fields and menus
- Radio-button fields and menus
- Drop-down menus
- Date pickers
- Upload buttons
- Lists
- Special fields such as "Personnel" and "Contact Details" that automatically populate from your database if contacts are available

The Form Builder user interface contains these tabs; **Forms**, **Form Settings**, **Add Field**, **Field Settings**.


### The Forms Tab

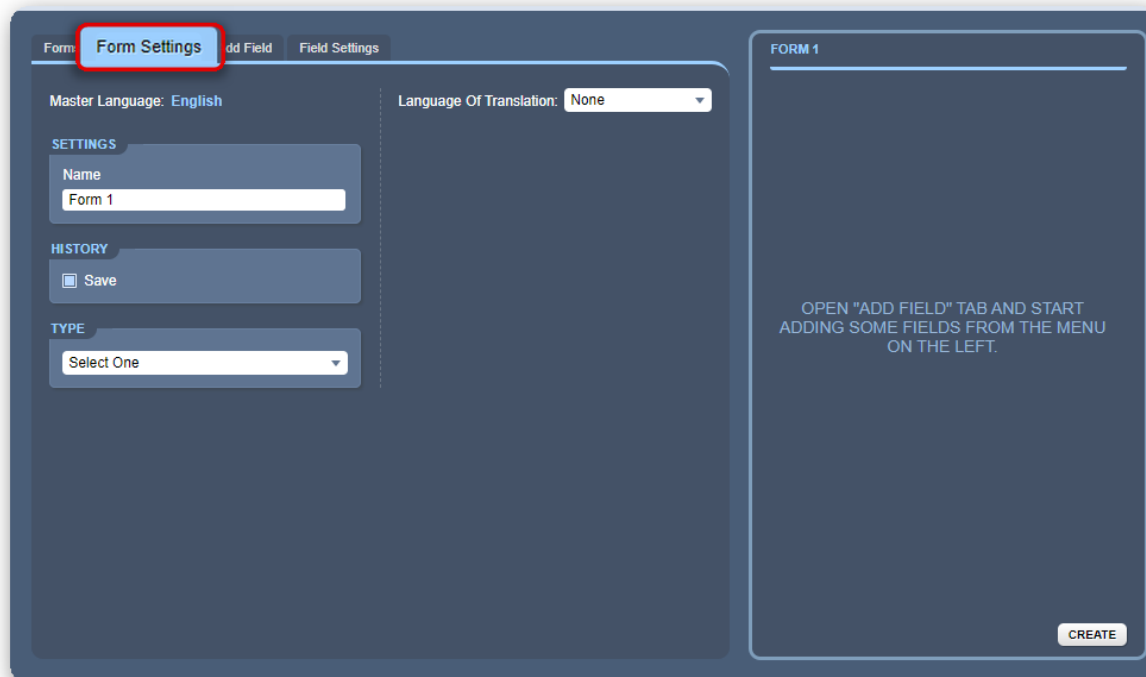
This window lists the names of forms that have been created, the type of form and master language.



NAME	TYPE	MASTER LANGUAGE
TRAINING RECORD	Materials	English
Request	Approval	English
ANU Request Form	Approval	English
Cedric	Approval	English
Approvals Form1	Materials	English
Emergency Form	Materials	English
Approvals Test	Approval	English
ANU Request Form	Approval	English
My Form Test	Materials	English
ESDS MAnagement Form Version 3	Materials	English
Incident Form	Folders	English
Incident Form	Folders	English
Incident Form	Folders	English
FolderMaterial	FolderMaterial	English
Training Records Form	Materials	English
UFC	Materials	English

### The Form Settings Tab

This window allows the form settings to be applied to the form to save history, set the type of data to be driven and choose the translation language  if required.



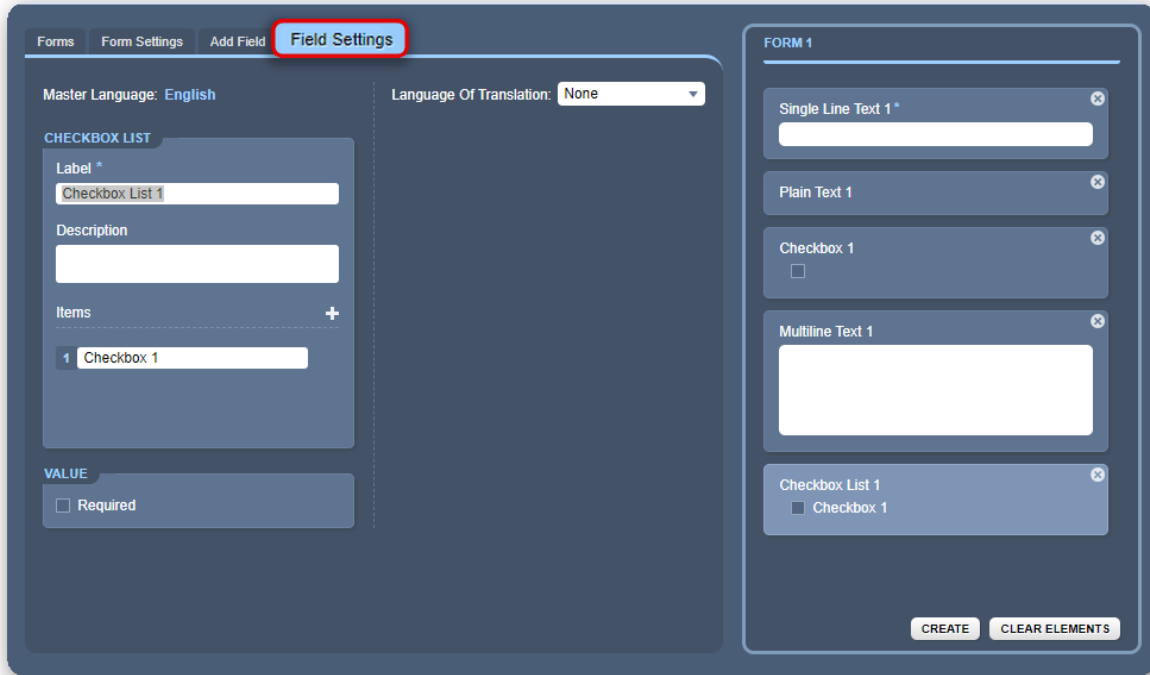
### The Add Field Tab

This window provides three types of fields to choose the data input types for information to be filled and captured in the form. The types of fields are described below.

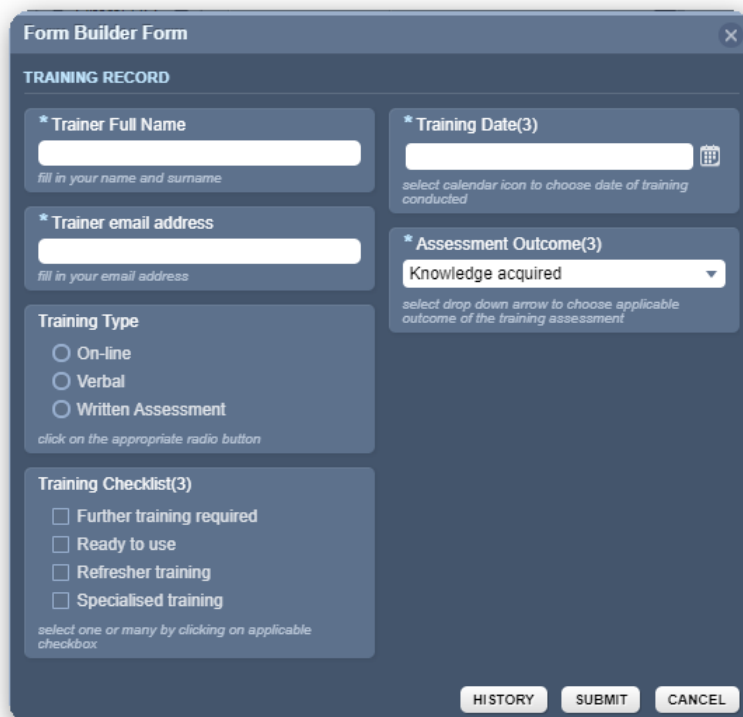
Field Type	Use	Input Type
Standard	User dependent fields	Single line text.
Fancy	User dependent fields	Plain text, checkbox, multiline text, checkbox list, radio list, dropdown, list, upload, date picker, separator.
System	Database	Users list, groups list, folders list, vendors list, chemicals list.

### The Field Settings Tab

This window provides form creators the ability to assign labels, describe labels and set a value requirement where applicable for selected type of fields.

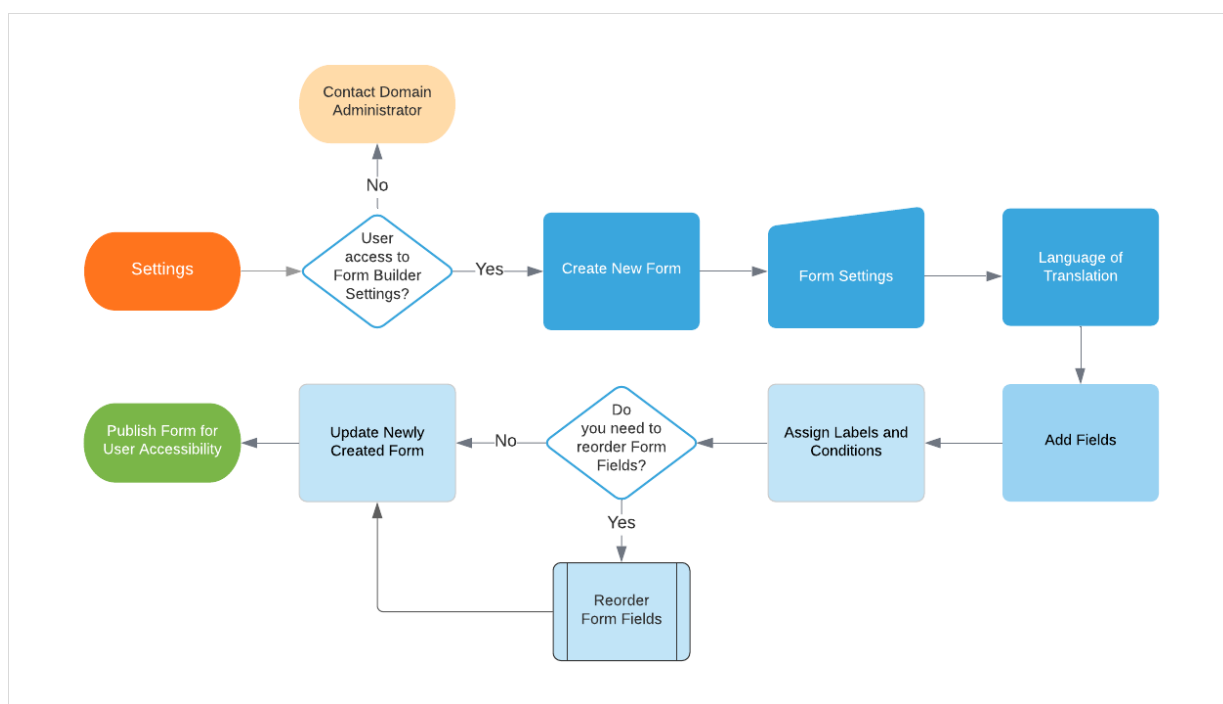


The image below shows an example of training record form designed to collect training information from users with regards to type of training attended, training checklist, training date and assessment outcome.



The following flowchart illustrates the steps users need to take when creating usable forms.

## Form Builder Flowchart



## 8.1 Creating a Form

Creating a form requires that the form creator must have handy information to help guide what type of data fields will be used to collect general, user or procedural related information.



Form Builder also the option of using custom datapoints. This data can be used in the following ways:

- Report generator data export and integration
- Data can be exported using the file formats; CSV, XML, XLS, HTML
- Label generator
- Documents
- Searches and Queries








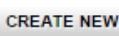


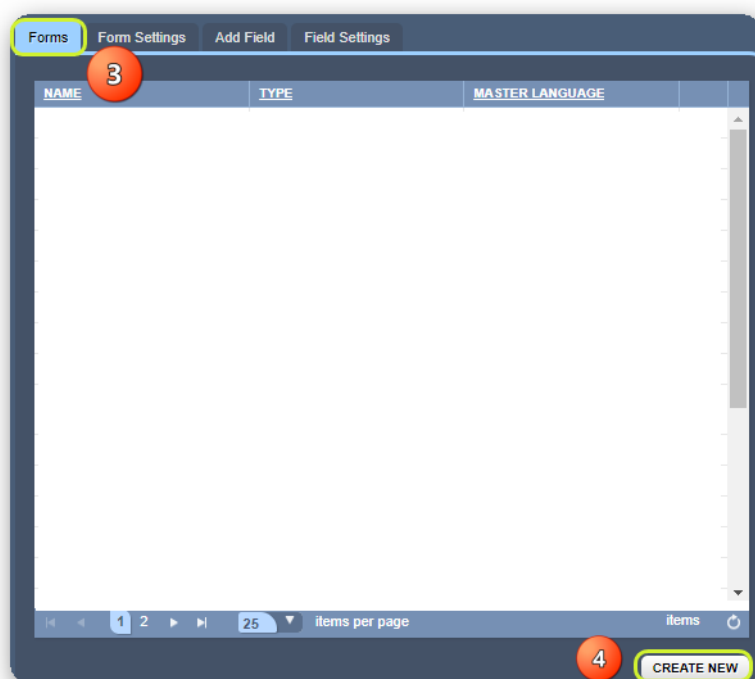
The form that is illustrated in the steps below is a sample of a business's training records main fields that users can fill to collect trainee data for specific training program outcomes.


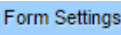


Table: Example of Training Record Form Fields

Form Fields	Description
Trainee's name	Full name of trainee
Email 	Email  address field
Type of training mode	List of the types of training modes available
Training checklist	Training categories
Training date	Date of training
Assessment outcome	Training competency

### Steps: Creating a Form

1. Select  the **Settings** link .
2. Click  on the **Form Builder** button .
3. Press  the **Forms** tab .
4. Select  **Create New** button .




5. Select  the **Forms Settings** tab .
6. Select  the **Settings** text field and type the name of the form.
7. Click  on the **Save** history option if applicable.

8. Select the **drop-down arrow** for the type of datapoints to be associated with the program interface element.
9. Choose the applicable language for translation from the **language drop arrow**. Note that “English” is the ‘master language’ by default.
10. Select the **Single Line Text 1** form field.
11. Select the **Add Field** tab and select **Single Line Text 1** field to assign standard field.
12. Click on the language **settings name text field** for the form.
13. Select the **Single Line Text 1** form field to assign specific label.

14. Define a **Label** for the select from field. Type the name of the label to assign a label.
15. Enter a **Description** of the label.
16. **Assign a Value** for the label by clicking on the checkbox if the field is required to be filled by user.
17. Select **Create** button to save form fields.

18. Select **Field Settings** tab.

19. Define a **Label** for the selected Email  Address form field. Type the name of the label to assign a label.
20. Enter a **Description** of the label.
21. Select  **Required** checkbox if applicable.
22. Select  **Update** button.

23. Select  **Add Field** tab.
24. Select  the **Radio List** fancy field button.
25. Press the “Radio List” fancy field in the form window.
26. Define a **Label** for the select Radio List from field. Type the name of the label to assign a label.

27. Enter a **Description** of the label.
28. Add an item to the list by **typing a radio list item** for the ‘Training Category’.

29. Select the **add + icon** to add a line item for the 'Training Category' and keep adding new line items as per form design.
30. Select **Update** button.
31. Repeat similar steps by adding more form fields as per your form structure (refer to steps 23 to 30).
32. Assign a **Date Picker** field into the form for the "Training Date".
33. Once all the required fields have been added into the form, click the **Back** button to go back to the Home module page.




The next topic illustrates how users can access the form and fill in the respective information.

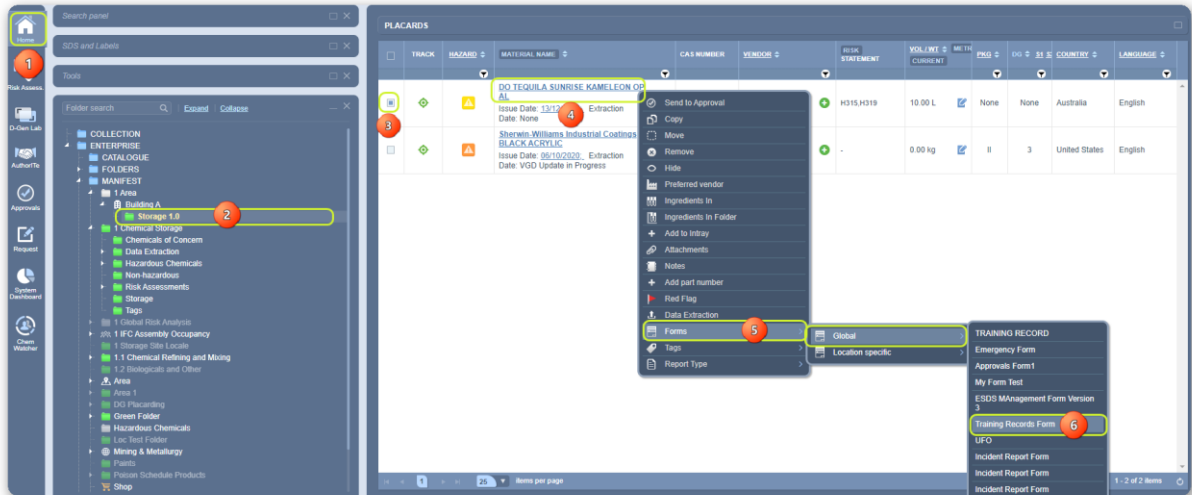
## 8.2 Filling in Form

Note that the form is assigned the category; Type = Materials. What this form attribute mean is that a user will follow the steps below to fill in the form against a selected material from the inventory.

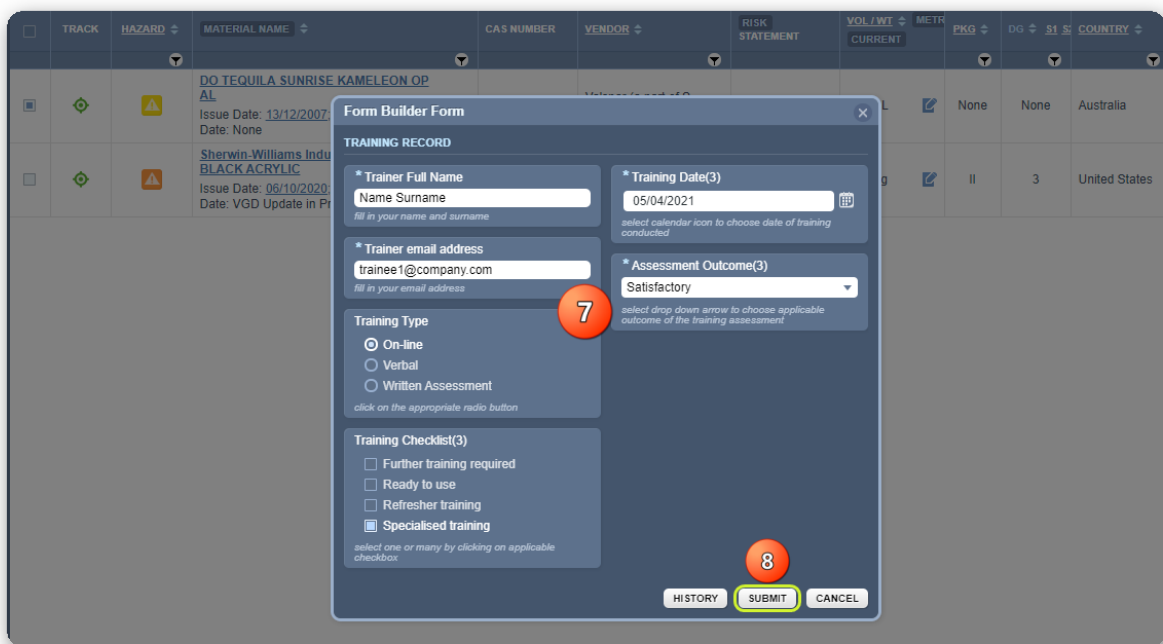
### Steps: Filling in a Form

1. Select the **Home** module .
2. Select a **folder/store** to display a list of materials.

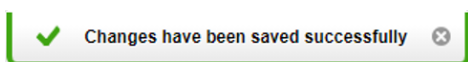
3. Select  a **checkbox** alongside the material name.
4. **Right click**  on the material name.
5. Hover mouse pointer to **Forms** -> **Global**
6. Select  the appropriate **Form Name**.




7. Fill in the form with the required information.
8. Press the **Submit** button to save input data.



 A message will be displayed to confirm successful submission of data.



Note that any form that is filled by any user, the information will be archived in the database and a report can be generated by a user permitted to create templates  in

order to export data related to users and forms. Go to the Report Generator section to learn how to export existing data using the method builder. Below is an example of the training records form in method builder showing the respective fields as datapoints to draw information from the database.

Data Point	For Each Ingredient For Mixtures	For Ingredients Only	Trim Html tags	Values amount	Split by rows
Assessment Outcome	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Assessment Outcome(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Assessment Outcome(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Assessment Outcome(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Trainer email address	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Trainer Full Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Checklist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Checklist(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Checklist(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Checklist(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Date(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Date(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Date(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Training Type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

TOTAL Individual data points: 15  
+ (For Mixtures) per ingredient: 0

Report Name:  **CREATE REPORT**

### Example: Training Records Form Exported Data

	D	E	F	J	K	N	O	P	Q
1	ASSESSMENT OUTCO	TRAINER EMAIL ADDRESS	TRAINER FULL NAME	TRAINING	TRAINING	TRAINING DATE(3)	TRAINING TYPE		
2									
3	Satisfactory	trainee1@company.com	Name Surname	Specialised training		04/05/2021	On-line		
4									
5									
6	Knowledge acquired	training@chemwatch.net	John Smith	Ready to use		05/06/2019	Written Assessment		
7									
8	Knowledge acquired	training@chemwatch.net	Cassie Langham	Specialised training		05/11/2020	On-line		
9									
10	Satisfactory	training@chemwatch.net	James Hardy	Refresher training		08/10/2020	On-line		
11									

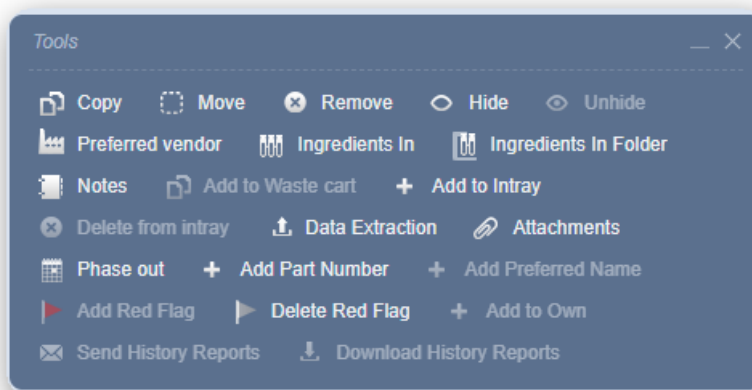
## 9.0 Tools Panel



This chapter explores the following objectives:

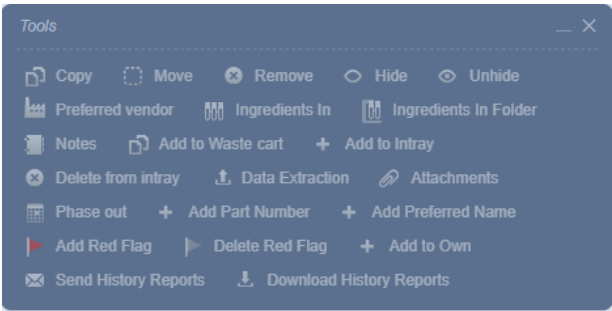


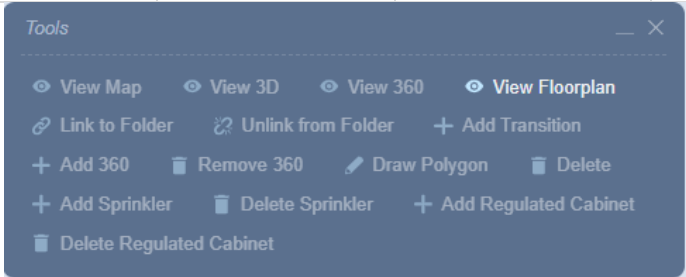
- Identify the material in folder inventory
- Create in tray folders based on your criteria
- Add materials into your categorised in tray folders
- Print, share or download materials in in tray folders
- Delete in tray folders
- Remove in tray materials
- Generate Vendor SDS, Gold SDS, Mini SDS, Labels and Emergency Reports



The **Tools** panel provides a quick way of accessing specific features based on the active mode of a particular module. It contains as much of the features that are available through a right click on a materials grid.



Module	Feature Elements	Description	Use
<b>Tools Panel</b> 	Tools for specific functional attributes	Materials grid functions in various modules	Users  can utilize the tools functionality actions for materials in the various modules such as copy, move, remove, preferred vendor, Ingredients In and many more.

Module	Feature Elements	Description	Use
			
	Maps mode for hotspots (Heat Maps)	Materials function to heat maps	Users  can utilize the tools functionality to create/use blueprint maps to create heat maps for respective sites/areas/storage facilities/buildings.
			






The table below is a summary description of each feature and its use in various modules.


Menu Options	Description
Send to Approval	Send request for material to be approved. Applicable to Approvals Module's availability in license package
Copy	Copy single or multiple materials
Move	Move single or multiple materials
Remove	Delete single or multiple materials
Hide	Hide materials from view
Unhide	Unhide materials from view
Preferred Vendor	Assign a preferred vendor to a Gold MSDS
Ingredients In	Filter for ingredients in materials
Ingredients In Folder	Filter for material ingredients in a folder
Add to Intray	Add material into a favorites folder called an intray
Delete from Intray	Remove materials from an Inray
Data Extraction	Access to the data extraction tool
Attachments	Add attachments (documents) to a material

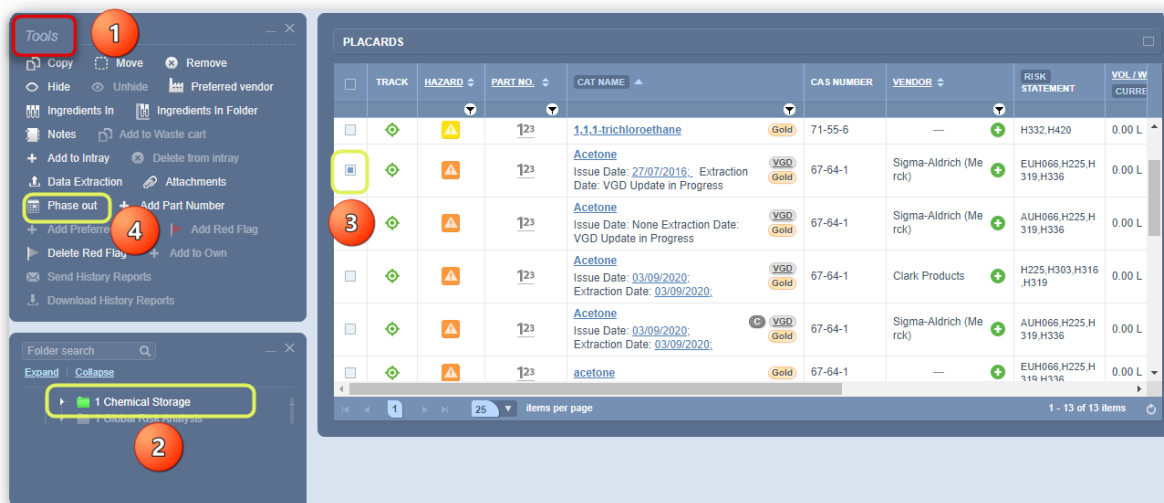
Menu Options	Description
Notes	Create notes (text based) for a material and view notes in the Gold MSDS section 15
Phase Out	Assign authorization and sunset dates for phaseout substances
Add Part Number	Create a part number for a material
Add Preferred Name	Create a preferred name for a material
Add Red Flag	Create/Add a Red Flag for materials
Delete Red Flag	Remove or delete a red flag for materials

The steps below illustrate how to assign fields in the Phaseout substances form.

### Steps: Assign Phaseout Substances fields using the Tools panel


1. Select  the **Tools** panel.
2. Select  a **folder/store**  to view a register of materials.
3. Click  on the **checkbox** alongside a material.
4. Select  the **Phase Out** option from the Tools panel.

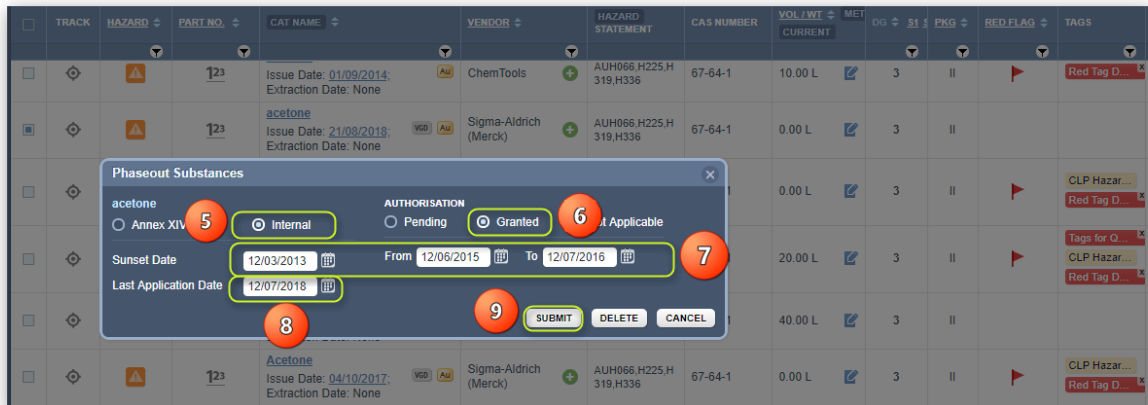
 By default, the tools panel is greyed out. However, in order to activate the tools panel features, a material's checkbox from the grid must be selected first and then the applicable options will be activated as shown below.



The screenshot shows the 'Tools' panel on the left and a 'PLACARDS' grid on the right. The 'Tools' panel has a 'Phase out' option highlighted with a red circle 4. The 'PLACARDS' grid has a checkbox highlighted with a red circle 3. A folder search box at the bottom left has '1 Chemical Storage' selected, highlighted with a red circle 2. The 'Tools' panel title is highlighted with a red circle 1.

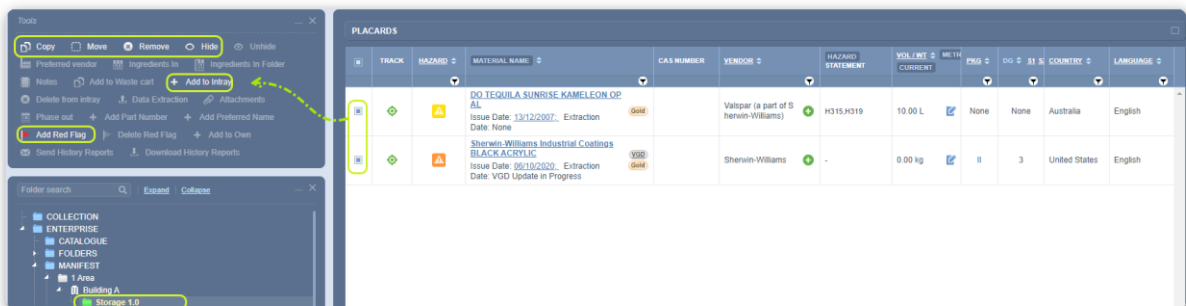
TRACK	HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL./W. CURRE
<input type="checkbox"/>		123	1,1,1-trichloroethane	Gold 71-55-6	—	H332,H420	0.00 L
<input checked="" type="checkbox"/>		123	Acetone Issue Date: 27/07/2016; Extraction Date: VGD Update in Progress	VGD Gold 67-64-1	Sigma-Aldrich (Merck)	EUH066,H225,H319,H336	0.00 L
<input type="checkbox"/>		123	Acetone Issue Date: None Extraction Date: VGD Update in Progress	VGD Gold 67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	0.00 L
<input type="checkbox"/>		123	Acetone Issue Date: 03/09/2020; Extraction Date: 03/09/2020;	VGD Gold 67-64-1	Clark Products	H225,H303,H316,H319	0.00 L
<input type="checkbox"/>		123	Acetone Issue Date: 03/09/2020; Extraction Date: 03/09/2020;	VGD Gold 67-64-1	Sigma-Aldrich (Merck)	AUH066,H225,H319,H336	0.00 L
<input type="checkbox"/>		123	acetone	Gold 67-64-1	—	EUH066,H225,H319,H336	0.00 L

5. Identify regulatory instrument where the material is listed
6. Check whether the material is authorized
7. Set the **Sunset Date** from dd/mm/yyyy to dd/mm/yyyy or set internal start and last application dates.
8. Press  the **Submit** button to save your data.

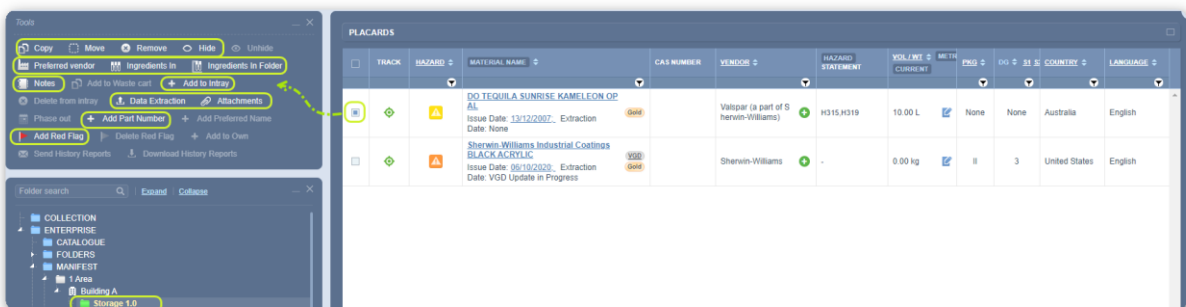


When selecting multiple materials to use a particular feature from the Tools Panel you may notice some attributes getting greyed out. For example, when selecting more than one material the Tools Panel will only allow to:

- Copy
- Move
- Remove
- Hide
- Add to In tray
- Add Red Flag



Whereas when a single material is selected, the Tools Panel will provide more options.



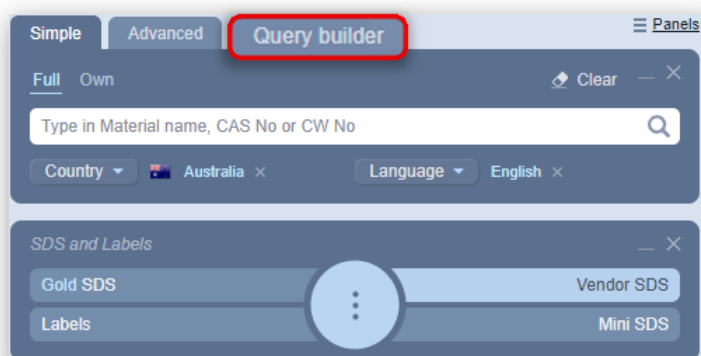
## 10.0 Query Builder (Advanced Query Search)

The main objective of this chapter is to demonstrate how to use the Query Builder search mode to create queries that can be used query the database for specific chemicals of interest and also associating a particular query with tags (optional).

- The type of form to create and/or include saving form history
- Master language to use or if translation is required
- Add standard fields
- Add fancy fields
- Add system fields and draw information using datapoints
- Define fields, labels and set value requirement where applicable
- Publish newly created or edited form
- User accessibility and how to fill forms



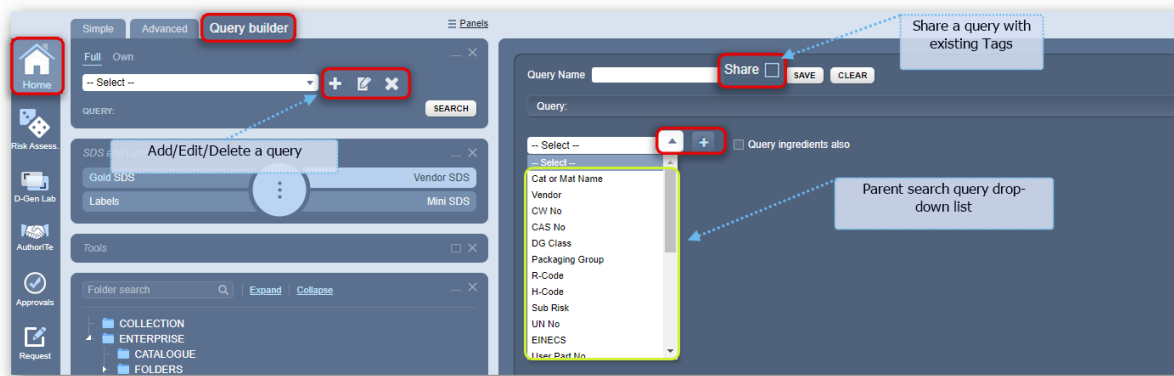
**Query Builder** search is designed for conditional construction of queries to search for specific information by using a set of rules and search properties. This type of search is referred to as “Query Builder advanced search criteria” and is accessible via the Query Builder tab within the Search Panel.



This extended search method provides users with the ability to look up for materials based on the following context:

- Search by creating a specific query
- Include Ingredients to the search Query (optional)
- Associate a query by using tags



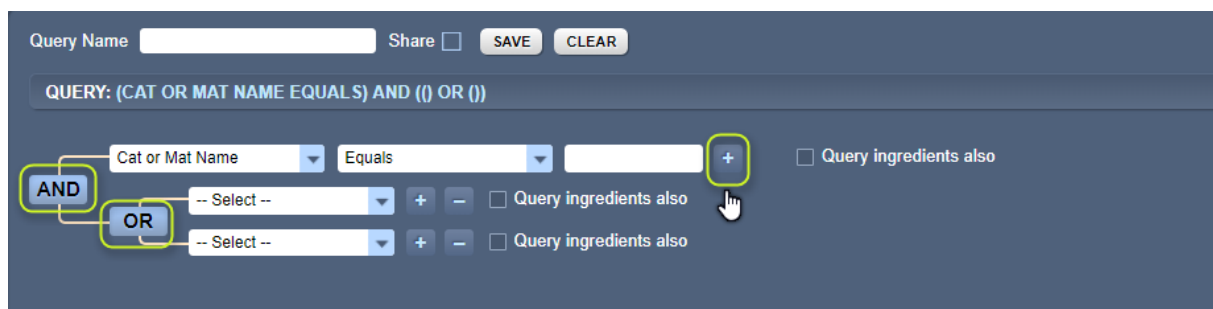


Note that Query Builder users must be granted permission to create, edit and use custom queries by the system’s administrator within your company or organisation.

### Logical Operands

A query is built by selecting a search index from the context menu options and can also choose a database logical operand “AND, OR” for complex searches to extend the search further.

Operator	Description
AND	Retrieves records that contain the word or term
OR	Broadens the records that contain the word or term



### Field Types

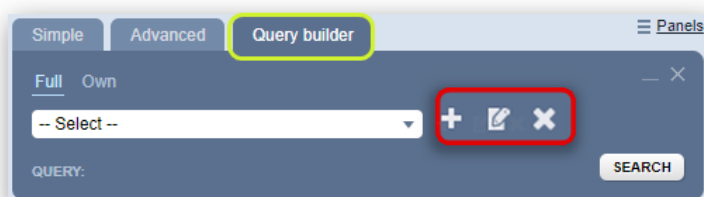
String values and numbers can be applied in a search query as per the following operands.




String Operands	Image – Drop Down List
Equals	
Not Equal	
Contains	
Does not contain	
Starts with	
Ends with	
Does not start with	
Does not end with	

Number Operands	Image – Drop Down List
=	

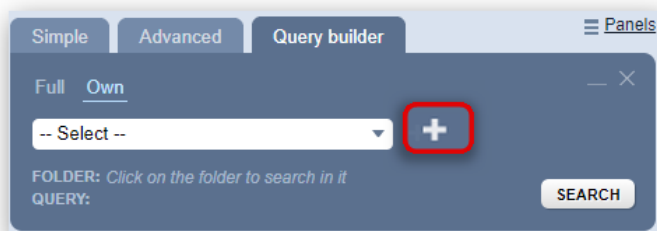
## 10.1 Add/Edit/Delete Query

The ADM will have full scope of the Query Builder mode's usage. The Query Builder mode for the ADM will show the three buttons to "Add", "Edit" or "Delete" queries.

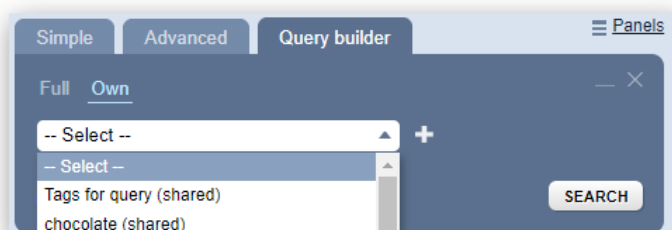


Button	Description
Add 	The Add button enables a user to create a query
Edit 	The Edit button provides a user with the ability to edit an existing query
Delete 	The Delete button allow a user to remove a query

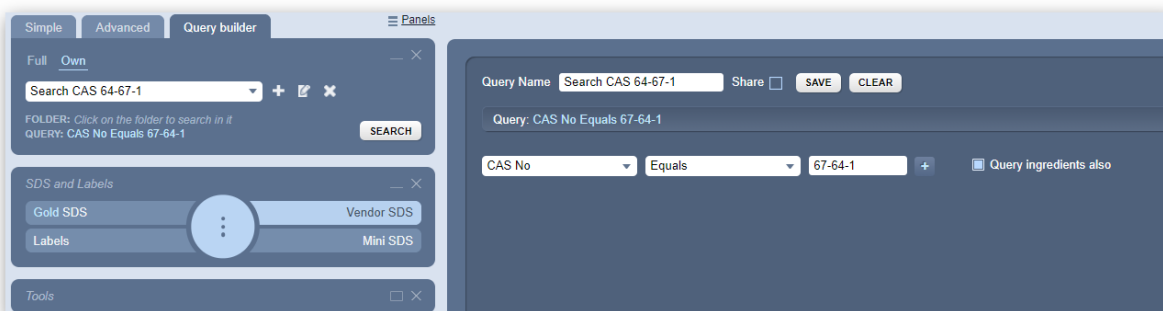
Users other than the ADM/SDM will be able to use already existing queries within their domain to query the database (Full/Own) but cannot edit those queries.



The query builder mode will show only the “Add” button to allow such users to create their own queries but cannot edit existing queries that they did not create/own.






If a user creates own query, that user will be able to see the edit functions alongside the name of the query as shown below.







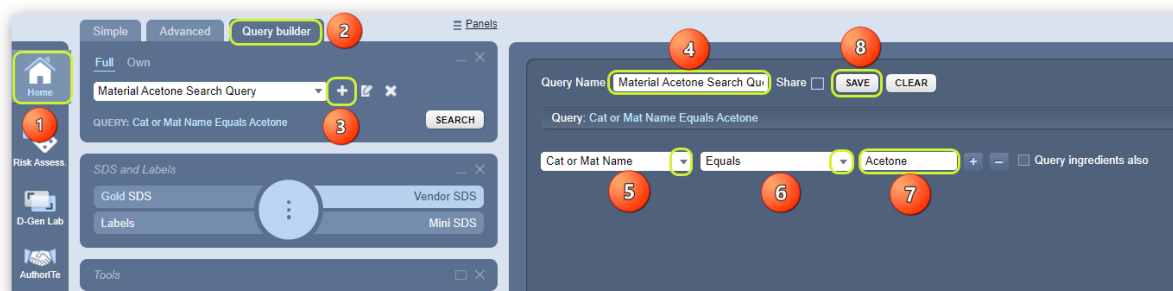
## 10.2 Add (Create) a Cat Name or Material Name Query




The steps below illustrate how to add (create) a search query for a Cat or Material Name that equals “Acetone”. This search query excludes ingredients.



### Steps: Creating a Cat or Material Name Query

1. Select  the **Home** module button .
2. Press  the **Query Builder** tab from the Search Panel.

- Click  the **Add** icon .
- Type the **query name** in the query name text field, e.g., Material Acetone Search Query.
- Click  the **drop-down arrow**  to select the “Search option from the drop-down list.











- Click  the **drop-down arrow**  to select the string operand, e.g., Equals.
- Type the name of the **Material**, e.g., Acetone.
- Click  the **Save button** to complete the creation of a material name search query.

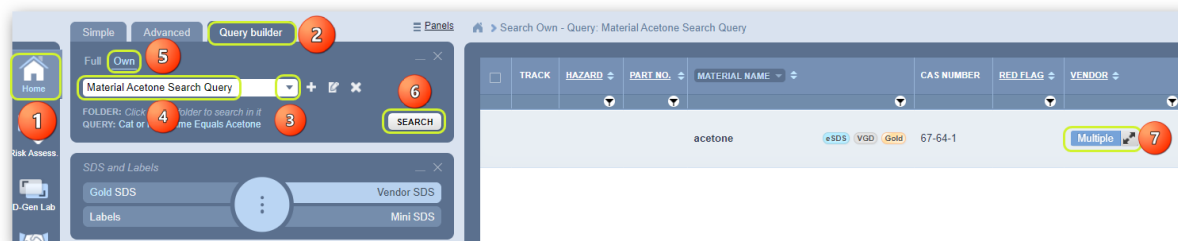
 A confirmation message displays. 

## 10.3 Search by Cat or Material Name Query

The steps below illustrate how to use the created search query for “Acetone”. Note that the search query excludes ingredients.

### Steps: Search by Cat or Material Name Query

- Select  the **Home** module .
- Press  the **query builder** tab from the Search Panel.
- Click the **drop-down arrow**  from the query builder search panel’s field to list the available search options.
- Click the “**query name**, e.g., Material Acetone Search Query.
- Click  the **Full** or **Own** link to specify the database path.  
*“Own” option refers to your own’s company or organization’s inventory within the Chemwatch Database collection.*
- Click  the **SEARCH** button to start the query.
- Click  the **Multiple**  button to expand material name row to cat name (product names) associated with the found material.



The query search results display the name(s) of cat name(s) with respective vendor

8. **Hover mouse pointer** on the cat name's information icon view more details on the pop-window.

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	RED FLAG	VENDOR	RISK STATEMENT	TAGS
			acetone	67-64-1		Multiple		CLP Hazar... Red Tag D... CoC x
		123	100 % Acetone Issue Date: 29/05/2007... Date: 17/07/2018:	67-64-1		GE Betz (a part of Sue z)	R11,R36,R66,R67	CLP Hazar... Red Tag D... CoC x
		123	3M(TM) 79. 无色 Issue Date: 09/...					CLP Hazar... Red Tag D... CoC x
		123	acetone	67-64-1			R11,R36,R66,R67	CLP Hazar... Red Tag D... CoC x




## 10.4 Search by a Query that Contains an Operand

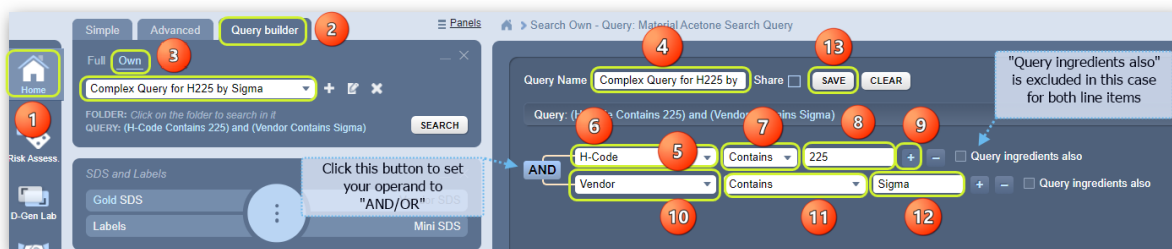
The steps below illustrate how to Add (Create) a query that contains an operand, equates to cat or material "Acetone" and then search the database. Note that the query excludes searching the database for "ingredients also".

**Steps: Create a Query that Contains an Operand**






1. Select the **Home** module.
2. Press the **Query Builder** button from the Search Panel.
3. Click the **Add** icon.
4. Type the **query name** in the query name text field, e.g., Complex Query for H225 by Sigma.
5. Click the **drop-down arrow** to select the search option from the drop-down list.
6. Choose the search option **H-Code**.
7. Click the **drop-down arrow** to select the string operand, e.g., Contains.
8. Type the hazard code classification (**H-Code**), e.g., 225.
9. Click the **+** button to add another string.

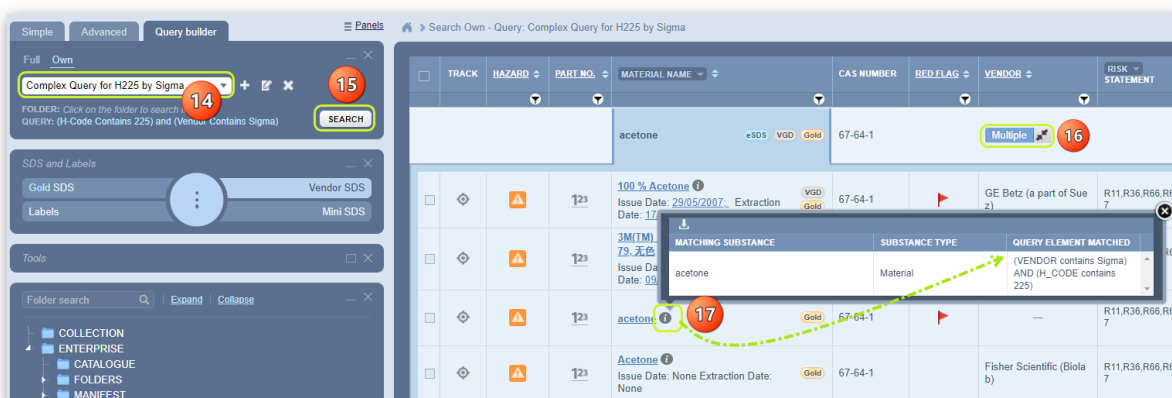
Note that another line operand will be added and will default to the logical operand **“AND”**. If you choose to change this operand, click on this **“AND”** button and it will change to **“OR”** for the desired operation to meet your search criteria.


10. Click  the **search option’s** drop-down arrow  to add another search index, e.g., Vendor.
11. Assign the search operand, e.g., Contains.
12. Type the name of the **Vendor** in the text field, e.g., Sigma.  
*Note that this query will exclude ingredients.*
13. Click  the **Save** button to complete the query creation.

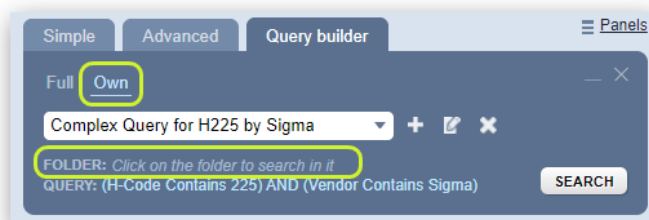


 A confirmation message is displayed. 

14. Use the **main query builder search field’s** drop-down arrow  to select this newly added query to search the **“Own”** database.
15. Click  the **SEARCH** button.
16. Click  the **Multiple**  button to expand material name row to cat name (product names) associated with the found material.
17. **Hover mouse pointer** on the cat name’s information icon view more details on the pop-up window.
18. You may close the pop-up window by clicking on the  icon.



 If you search in **“Own”** the system provides information under the main search field to choose a folder that can be used to search in it for that particular search query.



The example below displays a selected folder name/location when for a query. In this case, the query name “Complex Query for H225 by Sigma” has been used to find any records that meet this criterion.



## 10.5 Regulation Name Search Query

Chemwatch has improved the **Query Builder’s Search Mechanism** to look up for **Regulation Name** within the directory listing of regulatory lists. This new search criterion has been indexed against each list for searching by a **word** or **keyword(s)** to return main results from the Regulatory Listing.

### What is a Regulatory List?

The regulation of chemicals is managed through respective legislative arrangements by use of a wide variety of national, regional laws and international agreements, conventions or strategies. The legislative instruments provide regulatory lists of chemicals to be implemented at the local level as well as exposure or emission limits. For example, chemicals in Europe are managed by the REACH (Registration, Evaluation and Authorisation and Restriction of Chemicals) and the CLP (Classification, Labelling and Packaging) regulations.

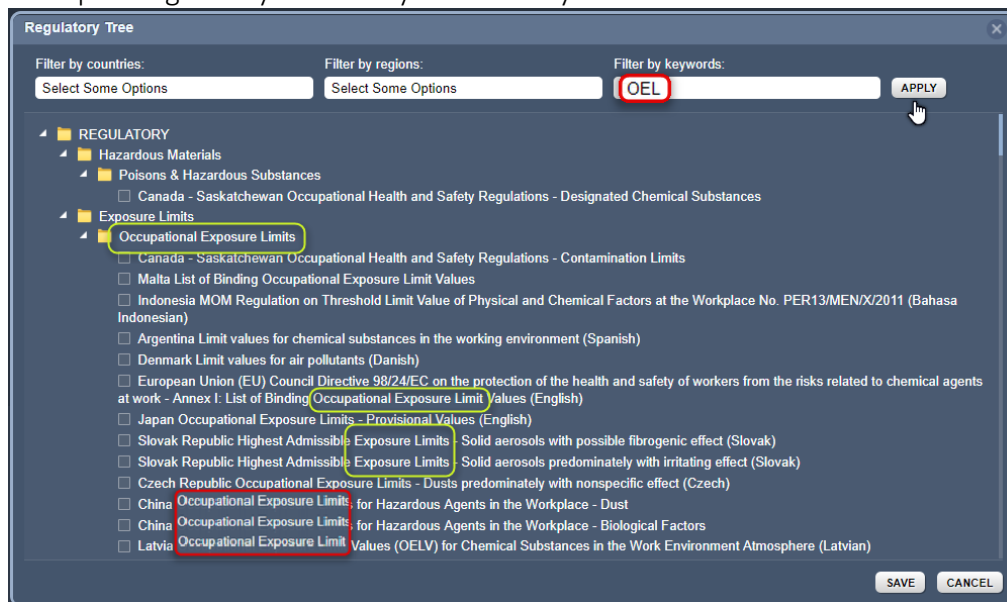
### What is expected from you?

To search/filter for a Regulatory Name, simply type a keyword, e.g., OEL (Occupational Exposure Limit) that you know is contained in the Regulatory List and press the **Apply** button from the Regulatory Tree to look up.

## Expected Search Result

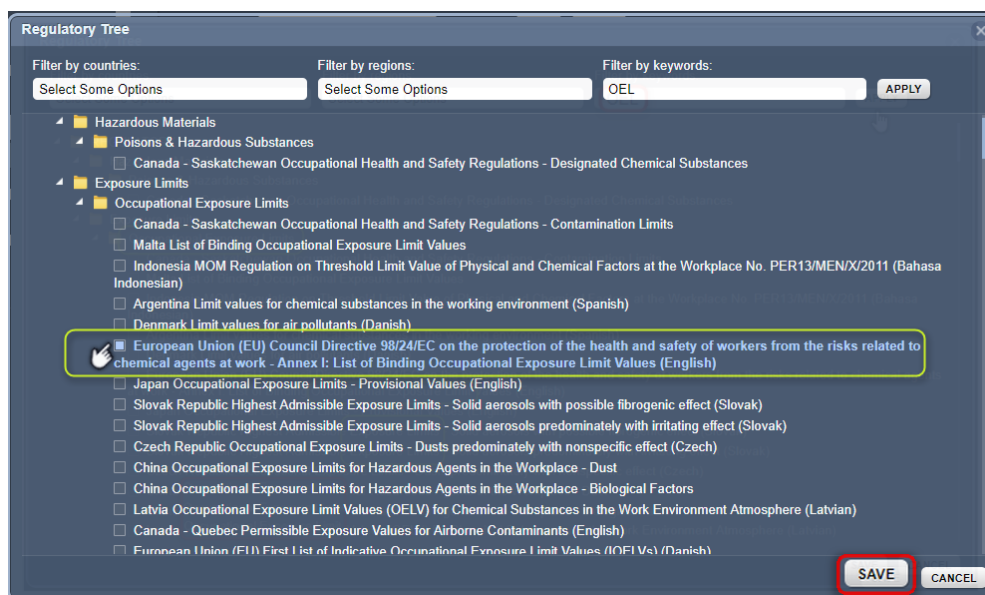
The Regulatory Tree expands to the respective location directory/folder in relation to the filtered keyword index for any found record, e.g., OEL (Occupational Exposure Limit); will expand the Regulatory Tree to display any existing Regulatory List that contains the key word or acronym. Select the **checkbox** alongside regulation name to save.

Example: Regulatory Tree – keyword acronym’s search results



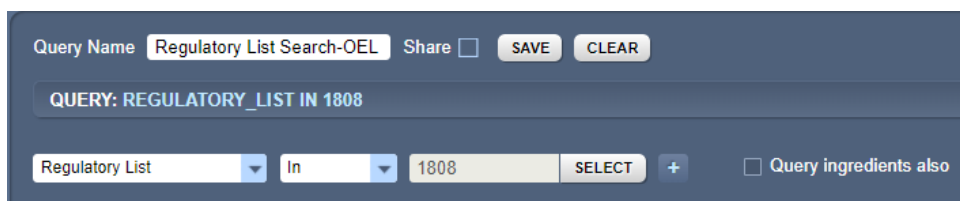
## What to do with a found Regulation Name?

Save the selected **Regulation Name** into your Query Builder Search Name.



Complete your Query Name Search criteria and save it for future use.

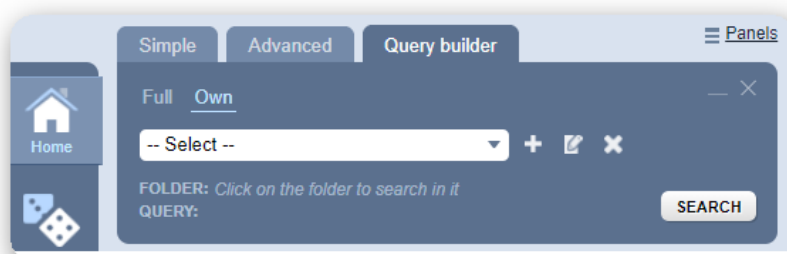




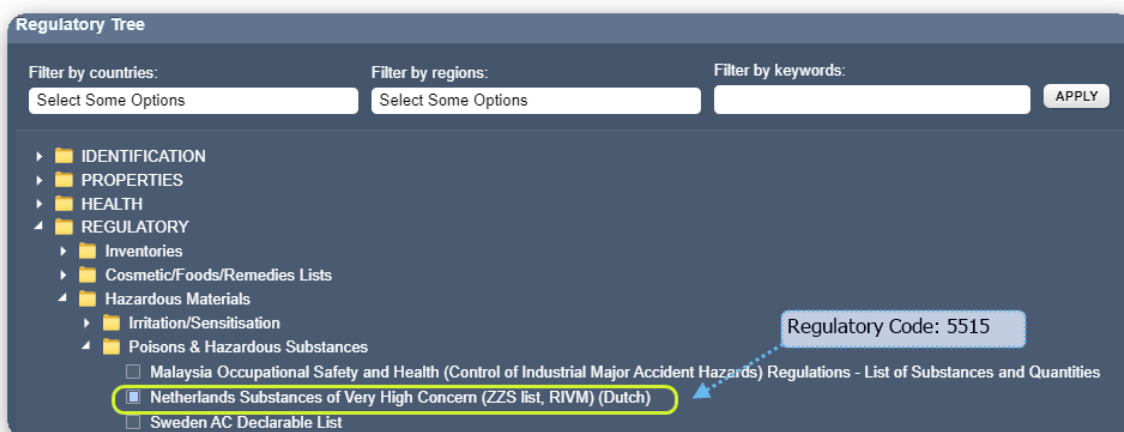
## Regulatory List Tag Improvement in Query Builder

Regulatory List codes have now been tagged with the applicable Regulation name in the Query Builder Regulatory Tree.

Query Builder Mode



Regulatory Tree in Query Builder Mode



This improvement will help you when creating regulatory related queries and the respective search results to easily identify the corresponding Regulatory List code with the full Regulatory Name where the material is listed.

TRACK	HAZARD	PART NO.	CAT NAME	CAS NUMBER	VENDOR	RISK STATEMENT	TAGS	VOL / WT	MEAS
		123	2,2',5,5'-TETRACHLOROBIPHENYL-UL-14C Issue Date: 23/08/2006... Extraction Date: None	80333-68-2	Sigma-Aldrich (Merck)	R33,R45(2),R50/53,R58	HSE Mater... CoC x Netherland... x	10.00 kg	
		123	nickel(II) sulfate	Ingredient (cas 7786-81-4, 10101-97-0, 15244-37-8, 14168-76-4, 61092-77-1, 10101-98-1)			herland... x herland... x herland... x	0.00 L	
		123	ABC... 11				Netherlands Substances of Very High Concern (ZZS list, RIVM) (Dutch)	0.00 kg	

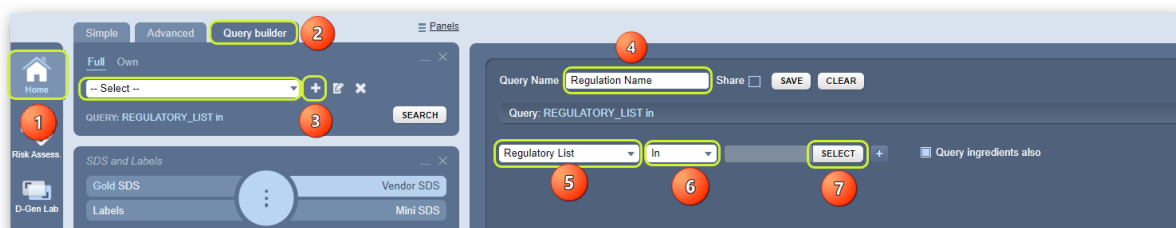
Note that ONLY the materials that are found in a Regulatory List will contain the information icon within the grid to view the matching substance's query element matched in the database.

### 10.5.1 Create a Regulation Name Query

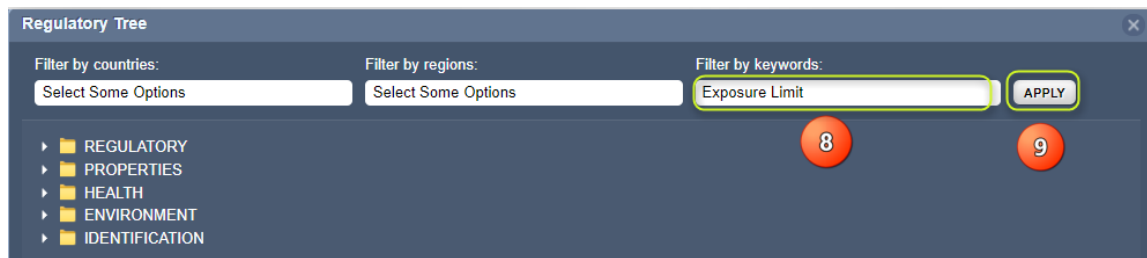
The steps below illustrate how to create a "Regulation Name" query that will enable the search for materials found in the Regulatory List. Note that this worked example below does not include querying ingredients.

**Steps:** Add (Create) a Regulation Name Query



1. Select the **Home** module .
2. Press the **Query Builder** button from the Search Panel.
3. Click the **Add** icon .
4. Type the **query name** in the Query Name text field, e.g., Regulation Name Query.
5. Click the **drop-down arrow** to select the Search option from the drop-down list.
6. Choose the search option "**Regulatory List**".

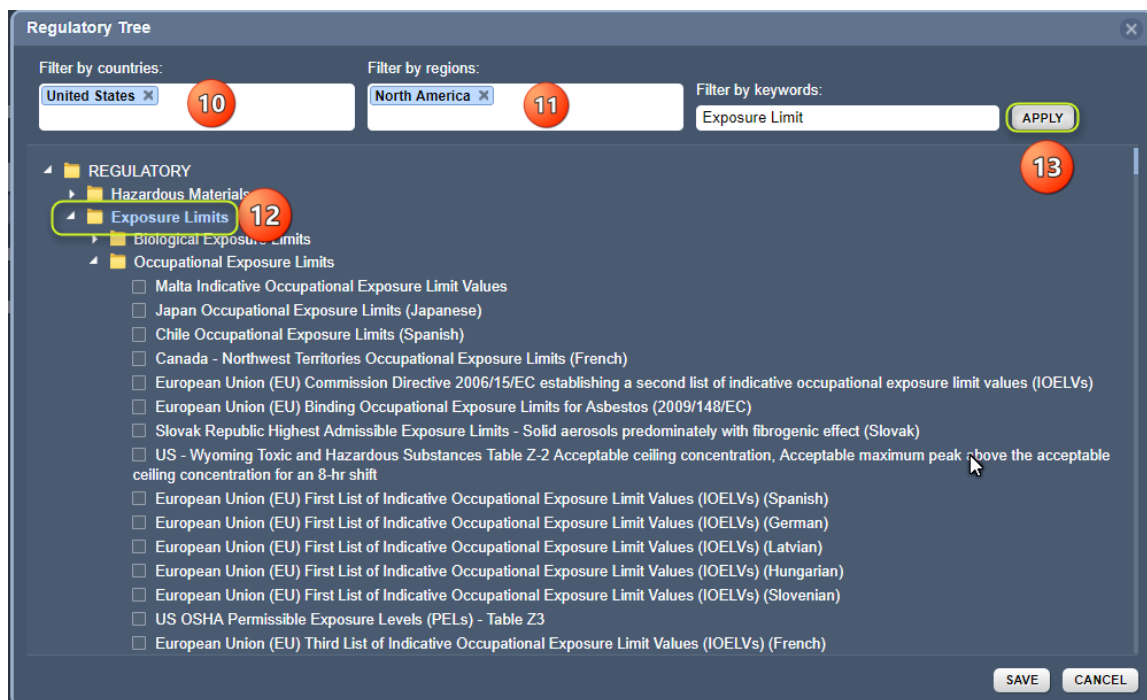


7. Click the **SELECT** button to **filter by region, country or key word**.
8. Type a Keyword, e.g., **Exposure Limit**.
9. Click the **Apply** button to filter the Regulatory Database by keyword.






The **Regulatory Lists** in relation to the keyword gets filtered out. Note that the filtered list is global.

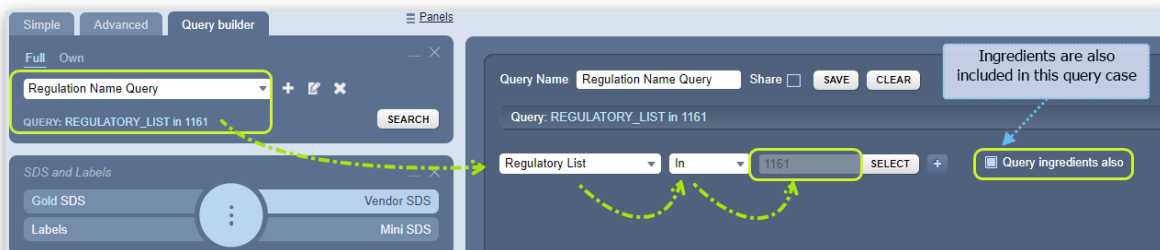
10. Assign the applicable filter by **Country** to further apply filter conditions; e.g., click on country field to choose desired country from the drop-down list, e.g., United States.
11. Assign the applicable filter by **Region** to further apply filter conditions; e.g., click on region field to choose region from the drop-down list, e.g., North America.
12. Select  the **Regulatory Document** from the expanded folder tree, e.g., Exposure Limits.
13. Click  the **Apply** button.



After applying the filter conditions, the system will filter the entire selected folder “Regulatory List” to found records as shown below.






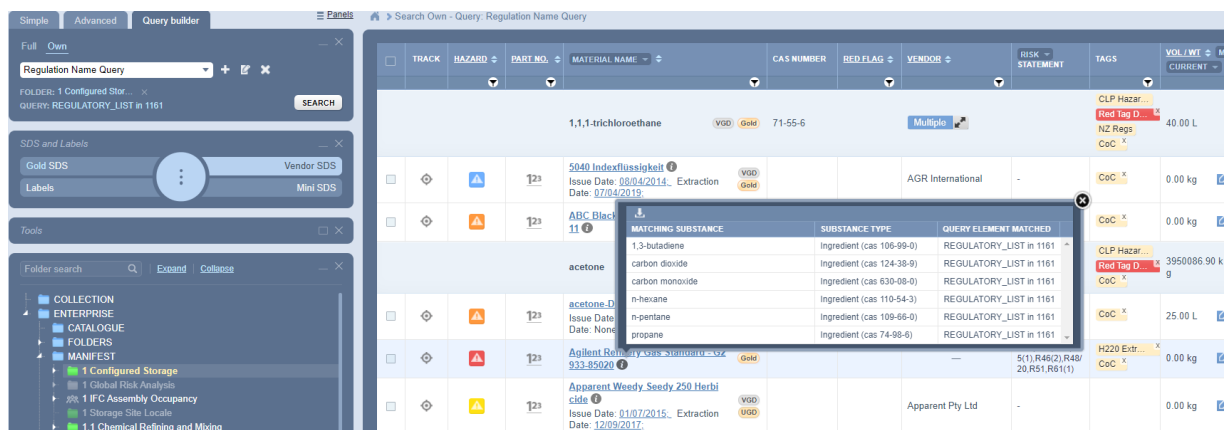
14. Click  the **Regulatory Name Checkbox** from the filtered list.
15. Click  the **Save** button to complete the assigned filter for the query.
16. Click  the **Save** button in query builder dialogue to create the Regulation Name Query based on the selected name of the regulatory exposure list. Note that for this worked example shows that the regulatory list selected is coded.



 A confirmation message displays.



17. Click  the **Full** or **Own** link to set the database path.
18. Click  the **SEARCH** button to look up for materials that are applicable to the regulatory query. Own search is applied in this example.
19. Query search display the found matching materials that meet the criteria. **Hover mouse pointer** to any material name's information icon  to display summary of matching substance and substance type (ingredient) via a pop-up window.

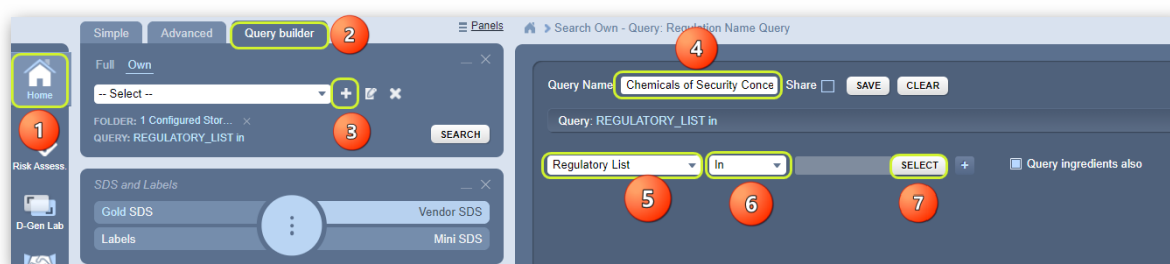


## 10.6 Create and Search by Chemicals of Security Concern


The steps below illustrate how to create a query to search for chemicals of security concern in Australia.

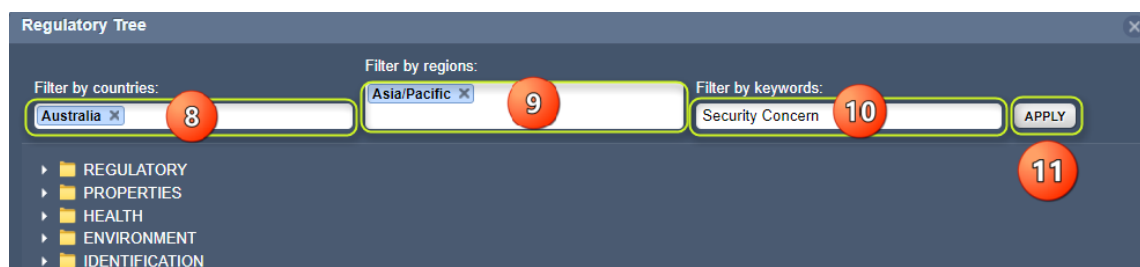
### Steps: Creating a Regulation Name Query for Chemicals of Security Concern

1. Select the **Home** module
2. Press the **Query Builder** button from the Search Panel.
3. Click the **Add** icon
4. Type the **query name** in the Query Name text field, e.g., Chemicals of Security Concern (applicable in Australia).
5. Click the **drop-down arrow**
6. Choose the search option **Regulatory List**.





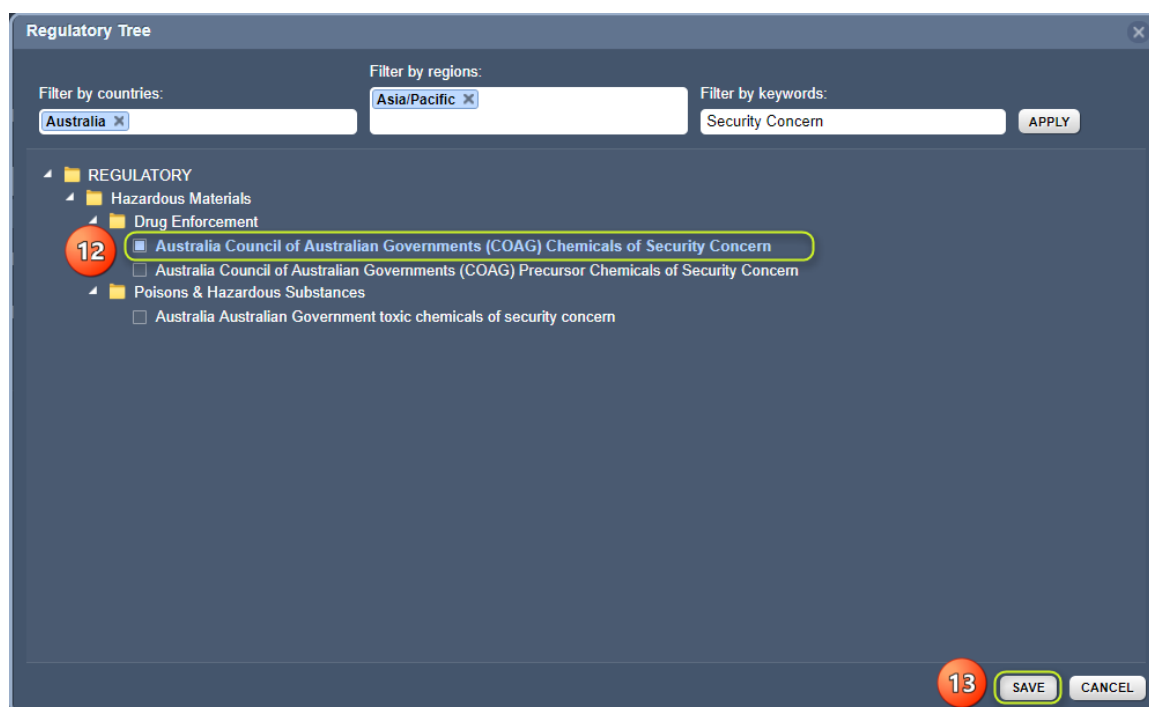
7. Click the **SELECT** button to filter by region, country and key word.
8. Assign the applicable filter by **Country** to further apply filter conditions; e.g., click on country field to choose country from drop down list, e.g., Australia.
9. Assign the applicable filter by **Region** to further apply filter conditions; e.g., click on region field to choose region from the drop-down list, e.g., Asia/Pacific.
10. Type a **Keyword**, e.g., Security Concern.


- Click  the **Apply** button to filter the Regulatory Database by using the specified keyword. After applying the filter conditions, the system will filter the entire selected folder regulatory list to records.



After applying the filter conditions, the system will filter the entire selected folder regulatory list to records.

- Select  the **Regulatory Document Checkbox** from the expanded folder tree, e.g., Regulatory/Hazardous Materials/Drug Enforcement/Australia Council of Australian Governments (COAG) Chemicals of Security Concern.
- Click  the **Save** button to lock in the filter conditions.









- Click  the **Save** button in query builder dialogue to create the Regulation Name Query based on the selected name of the regulatory exposure list.

 Note that for this worked example to regulatory list selected is coded 3339. A confirmation message displays.





15. Ensure to click  the Full or **Own** link to set the database path.
16. Click  the **SEARCH** button to query the database from your own collection.  
The found records that meet the criteria will be displayed with matching substance(s). **Hover mouse pointer** to any material's information icon  to display a pop-up window for matching results.

TRACK	HAZARD	PART NO.	MATERIAL NAME	CAS NUMBER	RED FLAG	VENDOR	RISK STATEMENT	TAGS	VOL / WT	MET
			hydrogen cyanide						500.00 g	
			<b>Hydrogen Peroxide 50%</b> 	7722-84-1	Gold	Industrial Cleansers	R5, R8, R20/22, R35, R37, R41		0.00 kg	
			<b>Nitric Acid 62-70%</b> 	7697-37-2	eSDS VGD Gold	Thermo Fisher Scientific	R8, R26, R35, R37, R41, R48/20		0.00 kg	
			<b>Sodium Cyanide Solid</b> 		VGD UGD Gold	Wesfarmers (Coregas)	R25, R26/27/28, R32, R36/37/38, R41, R50/53, R55, R67	Chem Sec... Ucar Extre... H220 Extr... CoC	0.00 L	

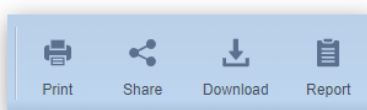
## Chemicals of Security Concern, Australia

There are about 40,00 chemicals that are approved for use in Australia and out of these, only 96 are identified as chemicals of security concern due to their potential to be used to make bombs or toxic weapons. There are 15 assessed chemicals that are of high risk and are covered by the National Code of Practice for Chemicals of Security Concern. Find out more from the government website [here](#).

## 11.0 Print, Download and Share Reports

The primary objective of this chapter is to demonstrate how to use the Print, Download and Share functions to generate documents or reports.

- [Print list, SDS or product update](#)
- [Download list, material list, external links, SDS and product update](#)
- [Share list, material list, SDS, offline archive, offline archive store and product update](#)



The **Print, Download and Share (PDS)** functions contain menus to choose the specific report type/documents to generate. Users can PDS the following documents and report types:

### Print List, SDS or Product Update

#### [Print List, SDS or Product Update](#)

List, Materials List	<b>Print a list of materials</b> from the grid (either selected, current page or all)
SDS - SDS/Gold, SDS/Mini, SDS/Vendor, Labels	<b>Print a specific type of document (s)</b> for a single material or multiple materials (either for selected or all materials) and choose the specific document (Mini SDS, Gold SDS, Vendor SDS or Labels).
Product Update	<b>Print product document(s)</b> for a single material or multiple materials by applying the specific Product Update from the options; Products Added, Products Updated or Issue Date).

### Download List, External Links, Offline Archive, SDS or Product Update

#### [Download \(Save\) List, External Links, Offline Archive, SDS or Product Update](#)

List, Materials List	<b>Download a list of materials</b> from the grid (either selected, current page or all)
SDS - SDS/Gold, SDS/Mini, SDS/Vendor, Labels	<b>Download a specific type of document(s)</b> for a single material or multiple materials (either for selected or all materials) and choose the specific document (Mini SDS, Gold SDS, Vendor SDS or Labels).
External Link HTML - Gold, Mini, Vendor	<b>Download specific type of document(s)</b> through an “ <b>External Link HTML</b> ” based on selected or all materials from the grid and choose



 **Download (Save) List, External Links, Offline Archive, SDS or Product Update**

SDS, Labels	the specific type of document (Mini SDS, Gold SDS, Vendor SDS or Labels). You may also include preferred names for all materials.
Offline Archive	<b>Download specific types of document(s)</b> for a single material or multiple materials (either for selected or all materials) and choose the specific type(s) of SDS (Mini SDS, Gold SDS, Vendor SDS or Labels) through the <b>Offline Archive</b> function. The selected material documents will be archived as a zip file that will contain separated documents in the <b>zip file's "docs" folder</b> .
Offline Archive Store	<b>Download document(s)</b> for a single material or multiple materials (either for selected or all materials) through the <b>Offline Archive Store</b> function. The selected material SDS documents will be archived as a zip file that will contain separated documents in the <b>zip file's "docs" folder</b> based on folder locations of those documents.
Product Update	<b>Download product document(s)</b> for a single material or multiple materials by applying the specific Product Update from the options; Products Added, Products Updated or Issue Date).

Share List, External Links, Offline Archive, SDS or Product Update


 **Share (Email) List, External Links, Offline Archive, SDS or Product Update**

List, Materials List	<b>Share a list of materials</b> from the grid (either selected, current page or all) by using the email function.
SDS - SDS/Gold, SDS/Mini, SDS/Vendor, Labels	<b>Email a specific type of document(s)</b> for a single material or multiple materials (either for selected or all materials) and choose the specific document (Mini SDS, Gold SDS, Vendor SDS or Labels).
External Link HTML - Gold, Mini, Vendor SDS, Labels	<b>Email specific type of document(s)</b> through an "External Link HTML" based on selected or all materials from the grid and choose the specific type of document (Mini SDS, Gold SDS, Vendor SDS or Labels). You may also include preferred names for all materials.
Offline Archive	<b>Email specific types of document(s)</b> for a single material or multiple materials (either for selected or all materials) and choose the specific type(s) of SDS (Mini SDS, Gold SDS, Vendor SDS or Labels) through the <b>Offline Archive</b> function. The selected material documents will be archived as a zip file that will contain separated documents in the <b>zip file's "docs" folder</b> .

 **Share (Email) List, External Links, Offline Archive, SDS or Product Update**


Offline Archive Store	<b>Email document(s)</b> for a single material or multiple materials (either for selected or all materials) through the <b>Offline Archive Store</b> function. The selected material SDS documents will be archived as a zip file that will contain separated documents in the <b>zip file's "docs" folder</b> based on folder locations of those documents.
Product Update	<b>Email product document(s)</b> for a single material or multiple materials by applying the specific Product Update from the options; Products Added, Products Updated or Issue Date).

The document types; Labels, Mini SDS, Gold SDS, Vendor SDS and Material List can be generated using pdf format. The Material List can also be generated using html format.





 Note that offline archive generates reports as a zip file where the documents are separated in a docs' folder. To view the documents generated in the zip file, open the zip file and click on the "docs" folder to open each separate document.

The following sub-topics cover printing a list of materials, batch printing vendor SDS, downloading (saving) a batch of Gold or Mini SDS, sharing (emailing) a batch of vendor SDS, generating an offline archive report and saving external html links report using the PDS menu options.

## 11.1 Batch Print Vendor SDS

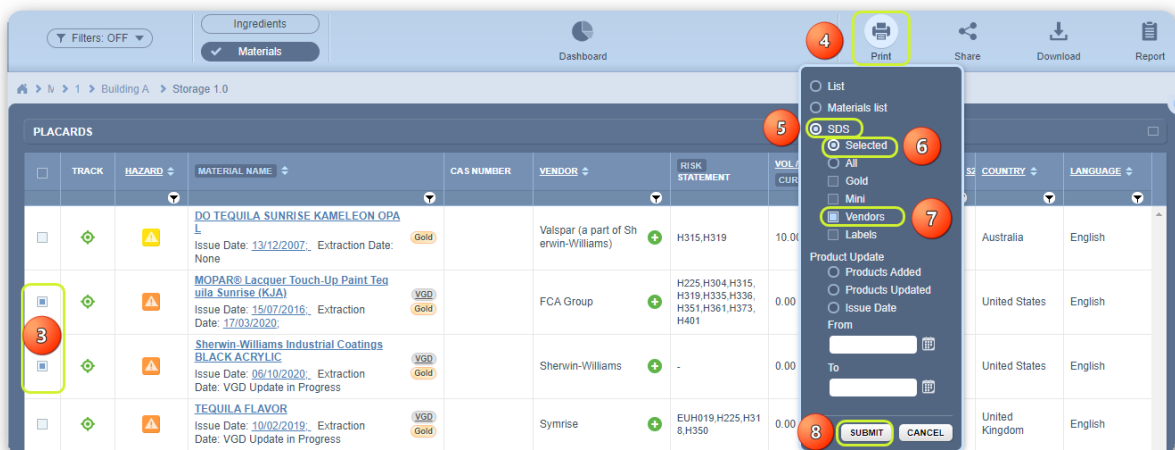
This exercise demonstrates the steps on "how to print multiple Vendor SDS" into a single batch file in pdf  format. This helps to collate all Vendor SDS for selected materials to keep an archive file for reference as a paper trail.

**Steps: Batch print Vendor SDS into a single PDF  file**

1. Select  the **Home** module .
2. Select  **folder** name  that contains materials.

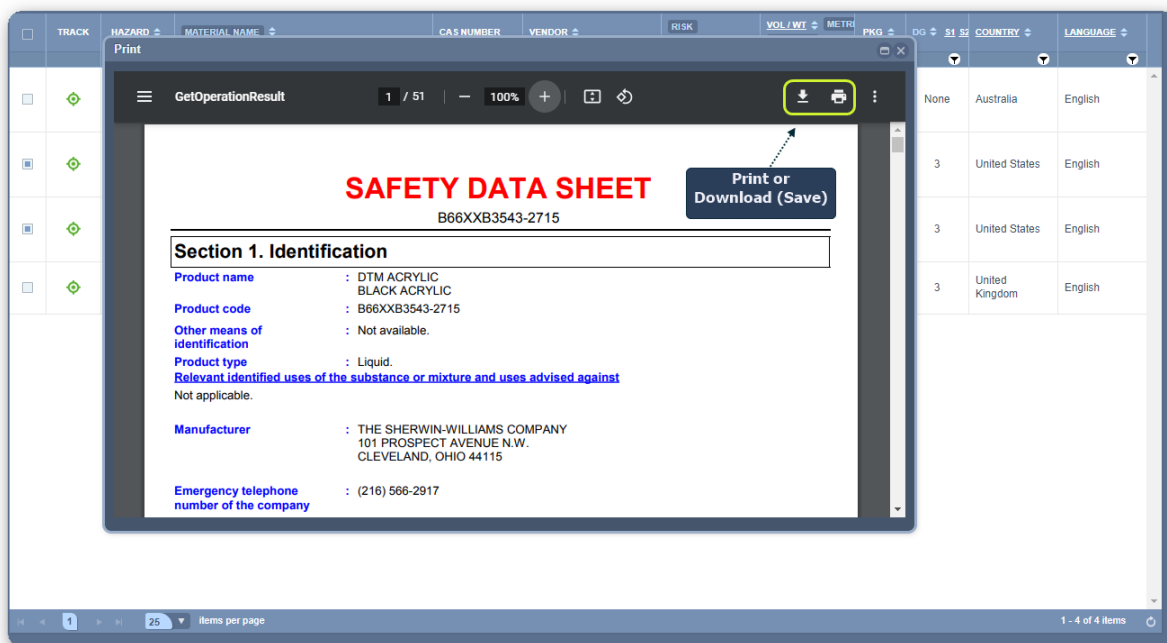


3. Select **checkboxes**  for each row in the materials list or click on the checkbox header to mark all materials.
4. Click on **Print** button to open print menu options.
5. Select  **SDS** radio button  from the print menu.
6. Click on **Selected** radio button  or **All** for all materials in the list.
7. Select  **Vendor** checkbox under the SDS options.
8. Press  the **Submit** button.




“All” selected material(s) Vendor SDS will be collated into a single pdf file. Take note of the number of pages shown in the middle top of the acrobat reader area.





9. Click the **Submit** button to generate the file.
10. The system’s Print window displays processed reports. Select  the **Print** icon from the acrobat reader program to print all the generated vendor SDS.







## 11.2 Save a Batch of Vendor SDS

This exercise, demonstrates the steps on “how to save multiple Vendor SDS” as a single batch file in pdf  format. This helps to collate all Vendor SDS for selected materials to keep an archive file for reference.

Steps: Save a batch of Vendor SDS into PDF  file

1. Select  the **Home** module .
2. Select  **Folder** name .



3. Select  **Checkboxes**  for each row in the materials list or click on the checkbox header to mark all materials.
4. Click  on **Download** button to open the save menu options.
5. Select  **SDS** radio button .

- Click on **Selected** radio button or **All** for all materials in the list.
- Select **Vendors** checkbox.

If “All” option is selected from the print menu, this option will be generated reports for all materials in the list based on the current set pagination (or default); 25, 50, 100, 500 materials per page.

- Click the **Submit** button to generate the file.

TRACK	HAZARD	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL./WT CURRENT	METR	PKG	DG	31 32
<input type="checkbox"/>		DO TEQUILA SUNRISE KAMELEON OPA L Issue Date: 13/12/2007. Extraction Date: None		Valspar (a part of Sherwin-Williams)	H315,H319	10.00 L		None	None	
<input type="checkbox"/>		MOPAR® Lacquer Touch-Up Paint Tequila Sunrise (KJA) Issue Date: 15/07/2016. Extraction Date: 17/03/2020.		FCA Group	H225,H304,H315,H319,H335,H336,H351,H361,H373,H401	0.00 kg		II	3	
<input type="checkbox"/>		Sherwin-Williams Industrial Coatings BLACK ACRYLIC Issue Date: 06/10/2020. Extraction Date: VGD Update in Progress		Sherwin-Williams	-	0.00 kg		II	3	
<input type="checkbox"/>		TEQUILA FLAVOR Issue Date: 10/02/2019. Extraction Date: VGD Update in Progress		Symrise	EUH019,H225,H318,H350	0.00 kg		II	3	


- Save panel displays processed reports. Select the **Download** icon from the pdf reader to save all the generated documents.

**SAFETY DATA SHEET**  
B66XXB3543-2715





**Section 1. Identification**

**Product name** : DTM ACRYLIC BLACK ACRYLIC  
**Product code** : B66XXB3543-2715  
**Other means of identification** : Not available.  
**Product type** : Liquid.  
**Relevant identified uses of the substance or mixture and uses advised against** : Not applicable.  
**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
 101 PROSPECT AVENUE N.W.  
 CLEVELAND, OHIO 44115  
**Emergency telephone number of the company** : (216) 566-2917








## 11.3 Email a Batch of Vendor SDS


This exercise demonstrates the steps on “how to email multiple Vendor SDS” as a single batch file in pdf  format.

Steps: Email a batch of Vendor SDS as a PDF  file

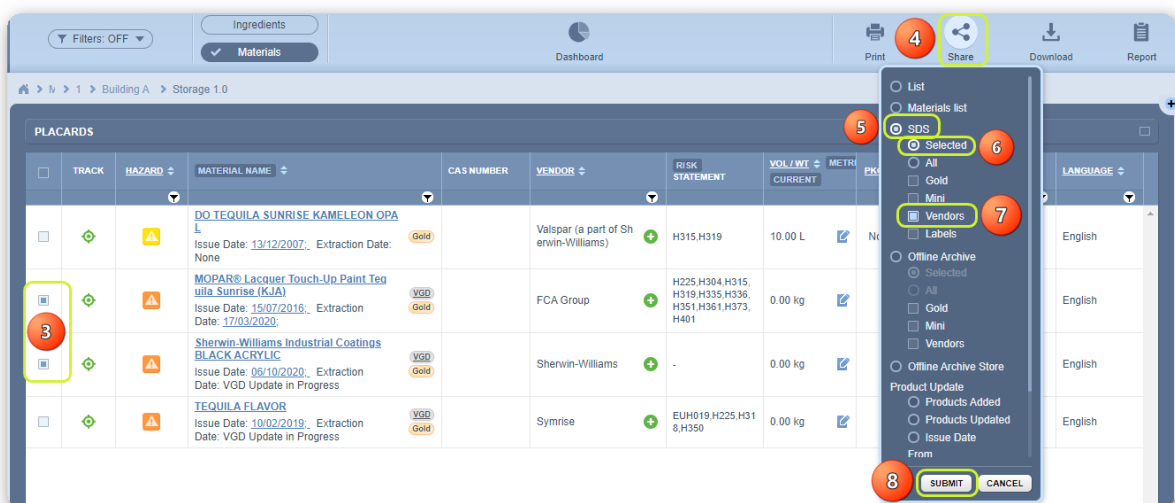
1. Select  the **Home** module button .
2. Select  folder name .



3. Select  checkboxes  for each row in the materials list or click on the checkbox header to mark all materials.
4. Click  on **Share** button to open email menu options.
5. Select  **SDS** radio button  from the Share menu.
6. Select  **Vendors** checkbox.
7. Click  on **Selected** radio button  or **All** for all materials in the list.

 If “All” option is selected from the print menu, this option will be generated reports for all materials in the list based on the current set pagination (or default); 10, 25, 50, 100, 500 materials per page. The default pagination is always set to 25.

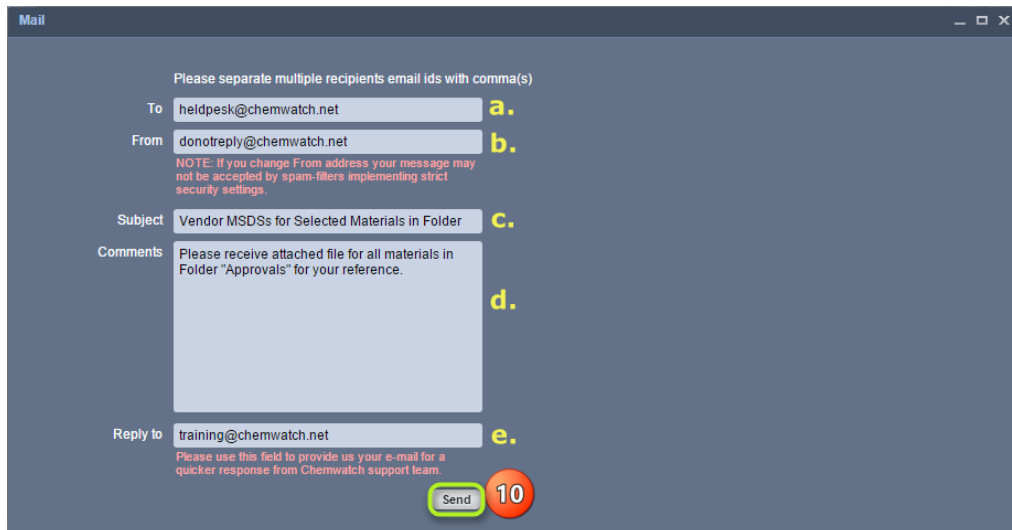
8. Click  the **Submit** button to open the email window.



9. The email window displays emailing fields.

- a. Type **email address** to send the report file **To**
- b. **Do not change** the default **Form** field. Note that if you change the “from” default ‘do not reply’ address may not be accepted by spam filters due to security settings
- c. Type the **Subject** for the email
- d. Type **Comments** in the Comments text field
- e. Type “**your email address**” in the Reply to” field. Note that this field will provide us with your email address for a quicker response from Chemwatch support.

10. Click  the **Send** button to send the batch file.



Please separate multiple recipients email ids with comma(s)

To:  **a.**


From:  **b.**  
NOTE: If you change From address your message may not be accepted by spam-filters implementing strict security settings.

Subject:  **c.**


Comments:  **d.**

Reply to:  **e.**  
Please use this field to provide us your e-mail for a quicker response from Chemwatch support team.

**10**





 The recipient will receive the SDS batch file as an attachment in the email.

## 11.4 Batch Print Vendor SDS by Product Update

This exercise, demonstrates the steps on “**how to print multiple Vendor SDS**” into a single batch file in pdf  format by **Products Updated** or by a specific **Date Range**.

### 11.4.1 Batch Print Vendor SDS by Products Updated

**Steps: Batch print Vendor SDS by Products Updated**

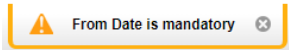
1. Select  the **Home** module button .
2. Select  **folder** name .



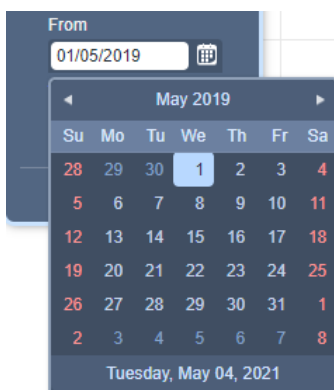
3. Select  checkboxes for each row in the materials list or click on the checkbox header to mark all materials.
4. Click on **Print** button to open print menu options.
5. Click on **Vendors** checkbox under the SDS radio button options.
6. Click on **Products Added** radio button  or **Products Updated or Issue Date**.

**i** If “All” option is selected from the print menu, this option will generate reports for all materials in the list based on the current set pagination (or default); 25, 50, 100, 500 materials per page. The default pagination is always set to 25.

In this exercise, the **Product Update** batch file will be generated based on any available products added into your inventory and at least assign the “Form” date to pick a date range by selecting calendar dates. If you miss the “Form” date. A warning message will get displayed.

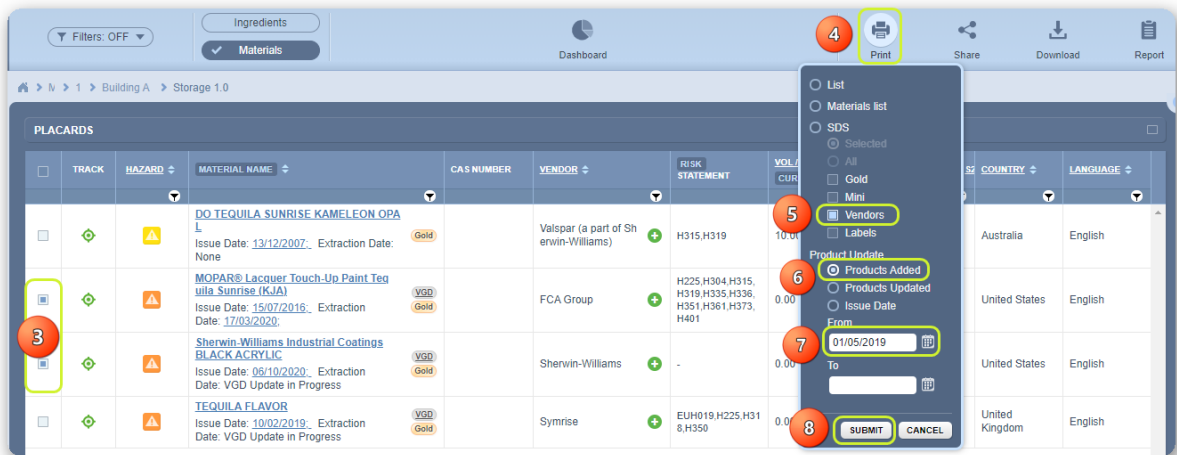


7. Select  the “**From**” date and set a date from the calendar field.



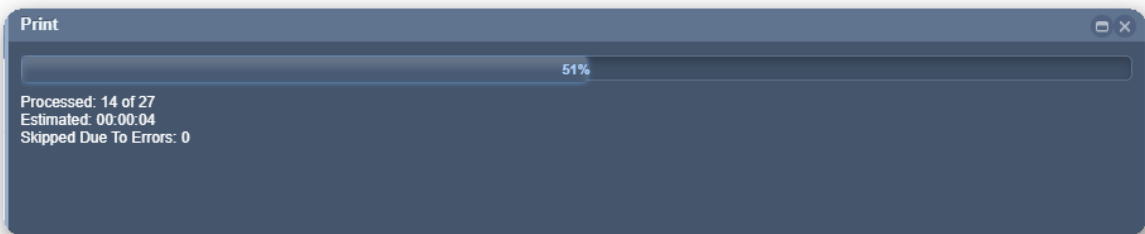
8. Click the **Submit** button to generate the file.



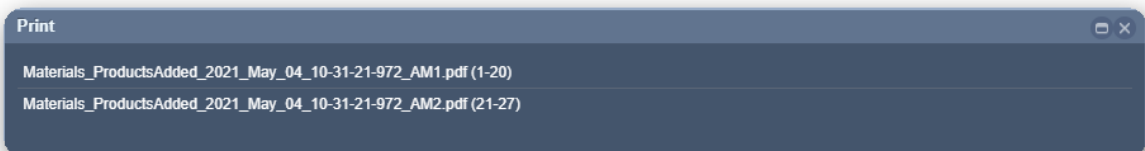


The print panel displays a process bar and estimated time frame to generate the batch links if there are multiple documents to process.

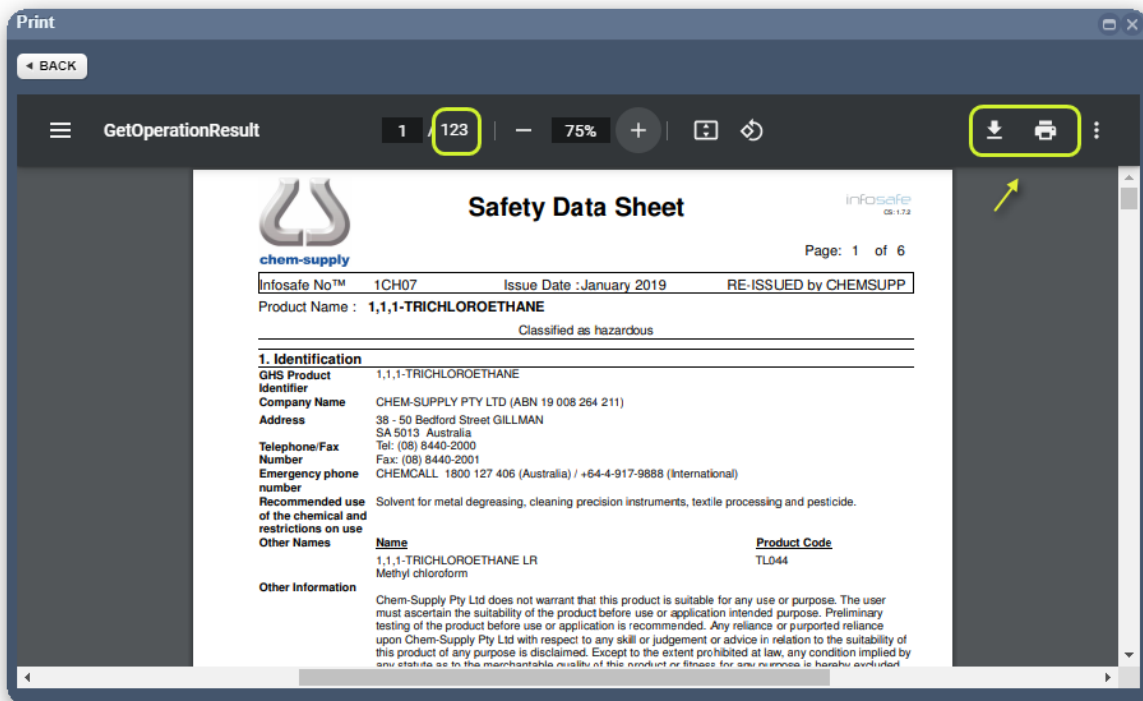
9. Select  the **Print** icon from the pdf reader to print all the generated documents.



10. Select  each batched processed data range per batch by **clicking the link** to open the file.



11. **Print** the Vendor SDS from the pdf reader print  icon.







12. Click  the **Close** button to go back to the list.







### 11.4.2 Batch Print Vendor SDS by Issue Date Range

The steps below will guide you to batch print Vendor SDS a few chosen materials from own folder by Issue Date range.

#### Steps: Batch print Vendor SDS by Issue Date Range

1. Select  the **Home** module  button
2. Select  **Folder** name .



3. Select  **Checkboxes**  for each row in the materials list or click  on the checkbox header to mark all materials in the list.
4. Click  on **Print** button  to open print menu options.
5. Click  on **Issue Date** radio button  under the Product Update segment.

- Select the “From” calendar icon to set the respective date.
- Select the month/year to set the respective date.
- Select the day.

The screenshot shows the Chemwatch interface with the 'PLACARDS' table. The table has columns: TRACK, HAZARD, MATERIAL NAME, CAS NUMBER, VENDOR, RISK STATEMENT, and VOL CUR. The 'BATTERY ACID' row is highlighted. A print panel is open on the right, showing options for List, Materials list, and SDS. The 'Issue Date' section is selected, and a calendar is displayed for June 2015. A red circle '3' highlights the 'From' field, a red circle '4' highlights the 'Print' button, a red circle '5' highlights the 'Issue Date' section, a red circle '6' highlights the 'From' field, and a red circle '7' highlights the calendar.

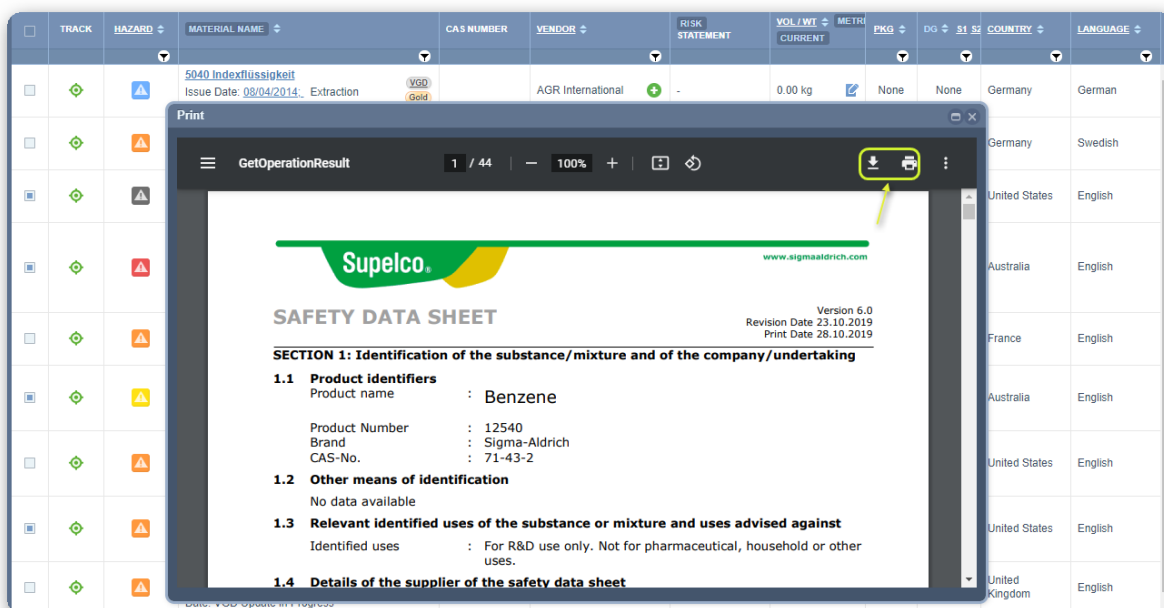
- Select the “To” calendar icon to set the respective date.

The screenshot shows the 'To' date selection calendar. The calendar shows April 2021, with the date 30 selected. The date 30 is highlighted with a red circle.


- Click the **Submit** button from the print panel to generate the batch file.

The screenshot shows the Chemwatch interface with the 'PLACARDS' table. The table has columns: TRACK, HAZARD, MATERIAL NAME, CAS NUMBER, VENDOR, RISK STATEMENT, and VOL CUR. The 'BATTERY ACID' row is highlighted. A print panel is open on the right, showing options for List, Materials list, and SDS. The 'Issue Date' section is selected, and the 'To' field is set to 30/04/2021. A red circle '10' highlights the 'SUBMIT' button.

11. Print the Vendor SDS from the pdf reader print icon




## 11.5 Saving External HTML Links Reports



The **Download (Save)**  function for **External HTML Links**  contains optional types of documents to choose from. In the following steps; these options are considered.

- **Gold** SDS
- **Mini** SDS
- **Labels**
- **Vendors** SDS





### **Download External Link HTML**

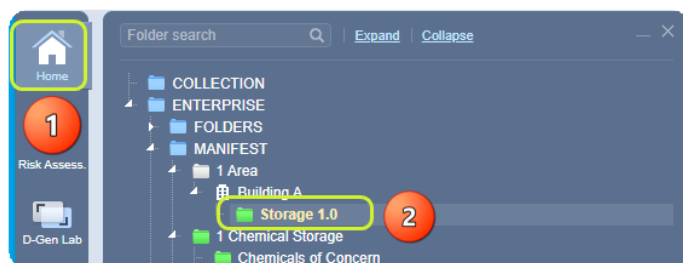
List, Materials List	<b>Download a list of materials</b> as HTML or PDF from the grid (either selected, current page or all).
<b>External Link HTML</b> Gold, Mini, Labels, Vendors	<b>Download specific type of document(s)</b> through an “External Link HTML” based on selected or all materials from the grid and choose the specific type of document (Mini SDS, Gold SDS, Vendors SDS or Labels). Note that Preferred Names for all materials can be included in the HTML report if required.











The steps below show how to download an **External HTML Links Report**  for selected materials based on available types of documents; Vendor SDS, Gold SDS, Mini SDS and/or Labels.


 Note that the External HTML Links document (Report)  can be used to quickly render or display a selected material's type of generated document (Gold, Mini, Label or Vendor). You may also share links with your internal customers online or via email. To be able to generate such links, you must have an inventory or materials linked to available SDS in your folder locations/stores.


### Steps: Download an External HTML Links Report

1. Select  the **Home** module .
2. Select  **Folder** name .



3. Select  **Checkboxes**  for each row in the Material list or click on the checkbox header to mark all materials in the displayed list. Note that if you ignore checkboxes from the grid, then you have to select "All" from the External Link HTML options. In this example, a few materials have been selected.
4. Click  on **Download** button  to open the menu for options.
5. Select  **External Link HTML** radio button  from the menu.
6. Select  **Vendors** checkbox.
7. Click  on **Selected** radio button  or **All** for preferred names to be included (optional).
8. Click  on **Selected** radio button  or **All** for all materials in the list.

 If "All checkbox" option is selected from the grid, the SDS will be generated for all materials in the list based on the current set pagination (or default); 25, 50, 100, 500 materials per page. Note that if a huge list of material SDS are selected, this may take some time to download.

9. Click  the **Submit** button to generate the  report.

MANIFEST > 1 Configured Storage

HAZARD	MATERIAL NAME	RED FLAG	VENDOR	RISK STATEMENT	CAS NUMBER	VOL./WT CURRENT	MET	DG	S1	PKG	PART NO.	REGUL
⚠	Ammonium magnesium phosphate hydrate Issue Date: 01/07/2014, Extraction Date: 01/04/2020.	UGD	Sigma-Aldrich (as MilporeSigma, Merck)	H305 (Cat 2)		0.00 L		None		None	123	
⚠	Apparent Weedy Seedy 250 Herbicide Issue Date: 01/07/2015, Extraction Date: 12/09/2017.	UGD	Apparent Pty Ltd	H301 (Cat 3), H311 (Cat 3), H315 (Cat 2), H317 (Cat 1B), H320 (Cat 2B), H330 (Cat 2), H335 (Cat 3), H372 (Cat 1)		0.00 kg		6.1		III	123	
⚠	Asc-500 Esomeprazole sodium Issue Date: 20/09/2011, Extraction Date: 13/12/2017.	UGD	Ascent Scientific	H315 (Cat 2), H319 (Cat 2), H335 (Cat 3), H350 (Cat 1)		80.00 L		None		None	123	
?	BATHROOM GEL BLEACH Issue Date: 01/02/2013, Extraction Date: None		Staples	-		0.00 L					123	
⚠	BATTERY ACID Issue Date: 11/06/2002, Extraction Date: 06/04/2019.	VGD	Johnson Controls	-		0.00 L		None		None	123	

10. Save panel displays processed file. Select the **Save** icon from your desktop or laptop location folder.

Save As

File name: Static links HTML report download2.html

Save as type: HTML Document (\*.html)

Save

11. Click on the **Downloaded HTML file** from your desktop task bar to open the file.

MANIFEST > 1 Configured Storage

TYPE OF SDS	DOCUMENT NAME	CW NUMBER	VENDOR	LANG	COUNTRY	EXTERNAL URL
Vendors	Ammonium magnesium phosphate hydrate	2491886	Sigma-Aldrich (as MilporeSigma, Merck)	French	Canada	http://r.chemwatch.h.net/CWWS/DocumentService.aspx?GetDocumentContentByExternalUrl?mi=7701302&oid=SIGMA&id=33777&cn=88&in=340712&ln=rd12417188.pdf&cms=2491886&u=70259&ll=16364&ls=6372190562969632&w=8&h=112511&86048D23FEA99E7E70CC4C4E292522E058FC26929E39B34CESA82

Static links HTML...html

The HTML file displays the following columns; Type of SDS, Document Name, CW Number, Vendor, Lang (for Language), Country and **EXTERNAL URL**. The EXTERNAL URL column contains the respective **Static web address (HTML) links** for each type of SDS as per your selection from the Download Menu.

TYPE OF SDS	DOCUMENT NAME	CW NUMBER	VENDOR	LANG	COUNTRY	EXTERNAL URL
Vendors	Ammonium magnesium phosphate hydrate	2491956	Sigma-Aldrich (as MilliporeSigma, Merck)	French		http://chemwatch.net/CWWS/DocumentService.svc/GetDocumentContentByExternalUrl?mi=17347220&id=APPARENT&v=43918&cn=82&ln=340700&fn=pdf13050232.pdf&cwn=63-4983&ui=703598&dl=16364&ts=637219056295696532&v=&hc=827066...
Vendors	Apparent Weedy Seedy 250 Herbicide	63-4983	Apparent Pty Ltd	English	Australia	http://chemwatch.net/CWWS/DocumentService.svc/GetDocumentContentByExternalUrl?mi=17347220&id=APPARENT&v=43918&cn=82&ln=340700&fn=pdf13050232.pdf&cwn=63-4983&ui=703598&dl=16364&ts=637219056295696532&v=&hc=827066...
Vendors	Asc-500 Escameprazole sodium	2807158	Ascort Scientific	English	United Kingdom	http://chemwatch.net/CWWS/DocumentService.svc/GetDocumentContentByExternalUrl?mi=17347220&id=ASCENT&v=41128&cn=139&ln=340700&fn=pdf13050232.pdf&cwn=63-4983&ui=703598&dl=16364&ts=637219056295696532&v=&hc=827066...

- Click on a **Document Name's** associated **External URL** link for a particular Vendor to display the respective SDS.

**SAFETY DATA SHEET**

**SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** Apparent Weedy Seedy 250 Herbicide

**Other Names:** Paraquat dichloride + Diquat dibromide, Group L herbicide.  
**Use:** A liquid "knockdown" agricultural herbicide.  
**Company:** Apparent Pty Ltd  
**Address:** Suite G 08, 762 Toorak Rd, Hawthorn East, Vic. 3123.  
 PO Box 3092, Cotham PO, Kew, Vic. 3101  
 143 724 136  
**ACN/ABN:**  
**Telephone Number:** 03 9822 1321  
**Fax Number:** 03 9817 7845  
**Email:** [www@helddesks.com.au](mailto:www@helddesks.com.au)  
**Emergency Contact:** 0411 227 338

**SECTION 2 HAZARDS IDENTIFICATION**

**Classified as hazardous according to criteria of Safe Work Australia.  
 Classified as a Dangerous Good according to the ADG Code.**

FOR USE AS AN AGRICULTURAL HERBICIDE ONLY.  
 THIS PRODUCT IS TOO HAZARDOUS FOR USE IN THE HOME GARDEN.

**GHS Classification:**  
 Acute Toxicity – Oral: Hazard Category 3.  
 Acute Toxicity – Dermal: Hazard Category 3.  
 Acute Toxicity – Inhalation: Hazard Category 1, 2.  
 Skin Corrosion/Irritation: Category 2.  
 Sensitization – Skin: Hazard Category 1, 1A, 1B.  
 Eye Damage/Irritation – Hazard Category 2B.  
 Specific Target Organ Toxicity (Single Exposure): Hazard Category 3.  
 Specific Target Organ Toxicity (Repeated Exposure): Hazard Category 1.


**GHS Signal Word:** DANGER

**Hazard Statements:**  
 H301 Toxic if swallowed.  
 H311 Toxic in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H320 Causes eye irritation.  
 H330 Fatal if inhaled.  
 H335 May cause respiratory irritation.  
 H372 Causes damage to organs through prolonged or repeated exposure.





**Precautionary statements:**

**i** If there's a need to share specific External URL links internally or externally, use the links provided in the html file. For further details, contact [helldesks@chemwatch.net](mailto:helldesks@chemwatch.net).





## 11.6 Print List of Materials

This exercise demonstrates the steps on “**how to print a list of materials**” into a single file in pdf  format. This helps to collate a list for your inventory of chemical records for archiving.





Steps: Print materials list into a single pdf  file

1. Select  the **Home** module .
2. Select  folder name  that contains materials.

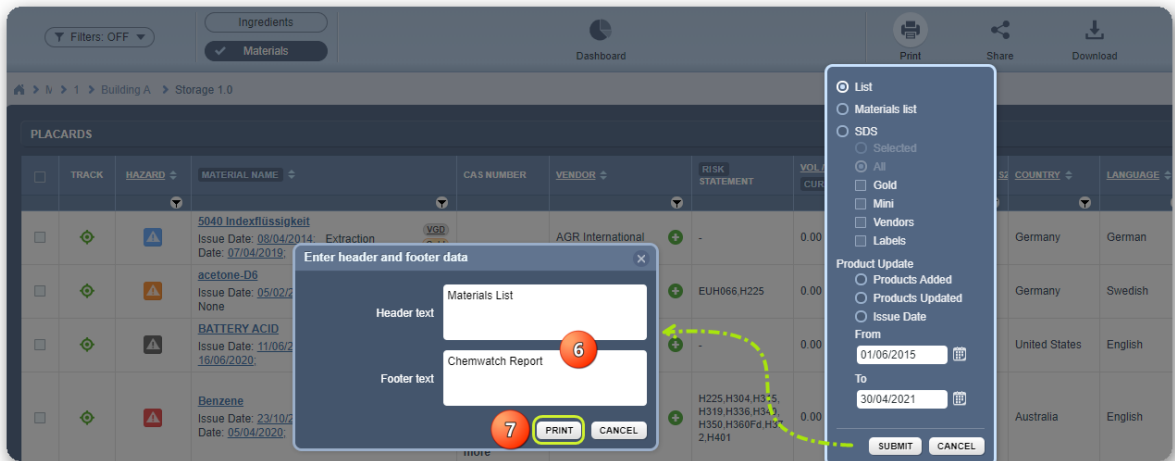



3. Click  on **Print** button  to open print menu options.
4. Select the **List** radio button  option from the print menu.
5. Press  the **Submit** button to generate report.

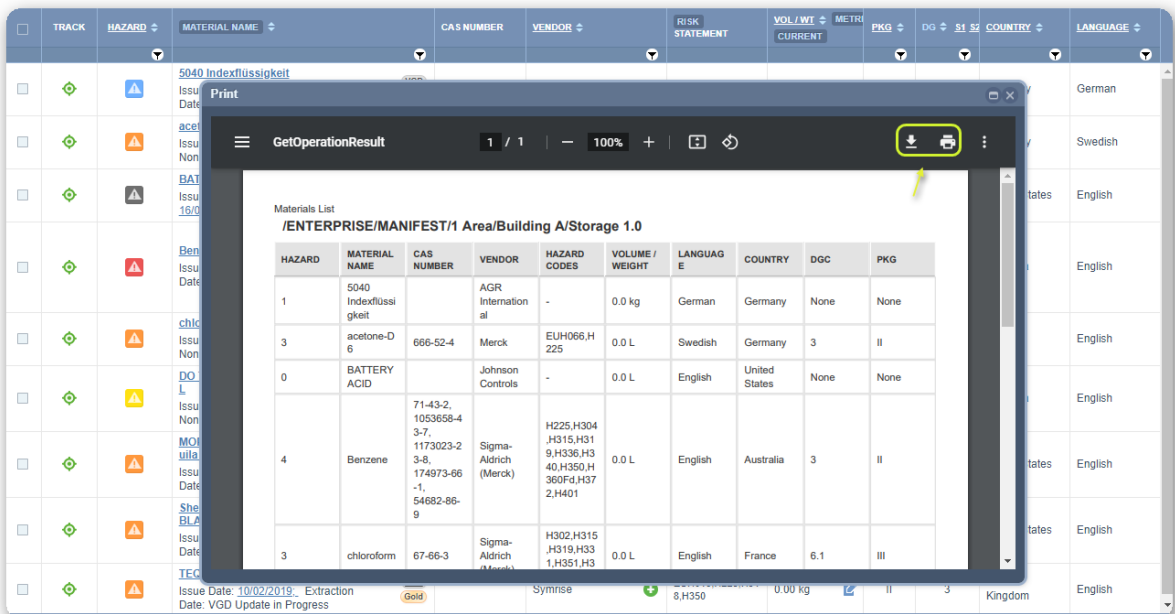
TRACK	HAZARD	MATERIAL NAME	CAS NUMBER	VENDOR	RISK STATEMENT	VOL CUR	COUNTRY	LANGUAGE	
		5040 Indexförsigtighet Issue Date: 08/04/2014. Extraction Date: 07/04/2019.	VGD Gold	AGR International	-	0.00	Germany	German	
		acetone-D6 Issue Date: 05/02/2004. Extraction Date: None	Gold	666-52-4 Merck	EUH066.H225	0.00	Germany	Swedish	
		BATTERY ACID Issue Date: 11/06/2002. Extraction Date: 16/06/2020.	VGD	Johnson Controls	-	0.00	United States	English	
		Benzene Issue Date: 23/10/2019. Extraction Date: 05/04/2020.	VGD Gold	71-43-2, 1053658-43-7, 1173023-23-8, 174973-66-1, ... more	Sigma-Aldrich (Merck)	H225, H304, H315, H319, H336, H340, H350, H360Fd, H372, H401	0.00	Australia	English
		chloroform Issue Date: 13/11/2014. Extraction Date:	Gold	67-66-3	Sigma-Aldrich (Merck)	H302, H315, H319, H331, H351, H361D,	0.00 L	France	English

6. Enter  header and footer information in the respective dialogue boxes' text fields  to be generated in the final report.
7. Press  the **Print**  button to generate report.




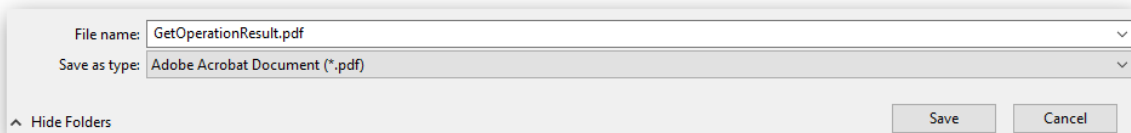


8. Use the pdf reader  icon to print or download the report.



9. Rename the file name if you selected the download option. Note that the system's default file name is "GetOperationResult.pdf".

10. Click  on **Save** button to archive the report into your desktop or external drive.



Material List

/ENTERPRISE/MANIFEST/1 Area/Building A/Storage 1.0

HAZARD	MATERIAL NAME	CAS NUMBER	VENDOR	HAZARD CODES	VOLUME / WEIGHT	LANGUAGE	COUNTRY	DGC	PKG
1	5040 Indexflüssigkeit	<b>Generated Header Information</b>			0.0 kg	German	Germany	None	None
3	acetone-D6	666-52-4	Merck	EUH066,H225	0.0 L	Swedish	Germany	3	II
0	BATTERY ACID		Johnson Controls	-	0.0 L	English	United States	None	None
4	Benzene	71-43-2, 1053658-4 3-7, 1173023-2 3-8, 174973-66 -1, 54682-86-9	Sigma-Aldrich (Merck)	H225,H304 ,H315,H319, H336,H340, H350,H360F, H372,H401	0.0 L	English	Australia	3	II
3	chloroform	67-66-3	Sigma-Aldrich (Merck)	H302,H315 ,H319,H331, H351,H361d, H372	0.0 L	English	France	6.1	III
2	DO TEQUILA SUNRISE KAMELEON OPAL		Valspar (a part of Sherwin-Williams)	H315,H319	10.0 L	English	Australia	None	None
3	MOPAR® Lacquer Touch-Up Paint Tequila Sunrise (KJA)		FCA Group	H225,H304 ,H315,H319, H335,H336, H351,H361, H373,H401	0.0 kg	English	United States	3	II
3	Sherwin-Williams Industrial Coatings		Sherwin-Williams	-	0.0 kg	English	United States	3	II
3	TEQUILA FLAVOR		Symrise	EUH019,H225,H318, H350	0.0 kg	English	United Kingdom	3	II

**Generated from Chemwatch System**

**Date and time stamp**

Generated from Chemwatch GoldFFX System.

04/05/2021 15:20:42

## 12.0 Preferred Names and Part Numbers

This chapter delves on how to create preferred names and part numbers for materials and generating reports that reflect the assigned part numbers and preferred names.

- [Activate preferred names in filter settings](#)
- [Create preferred name](#)
- [Search for a product using preferred name](#)
- [Edit preferred name](#)
- [Create part number](#)
- [Add a user part number](#)
- [Edit a user part number](#)
- [Remove a part number](#)
- [Search by part number](#)



### What is a "Preferred Name"?

A **preferred name** is any name that can be created and assigned to a material for the ease of searching the database. A preferred name is strictly user or domain dependent.

Generally, the IUPAC system of naming chemicals include long and slightly complex chemical names, which tend to be difficult to remember, especially when searching databases for such materials, e.g., 2-(methylamino)ethanol, 2-(4-methylpentan-2-ylideneamino)-N-[2-(4-methylpentan-2-ylideneamino)ethyl].

Common industrial products can be assigned a preferred name or a part number for ease of searching by use of a trivial name that will only correspond to its use within your organisation.


The identification of materials within the system extends to the use of Part Numbers. Part numbers are generally used to search for specific products as a quick and easier way of finding an exact match to locate a particular SDS within the inventory. In other instances, part numbers can also be used as barcodes identification criteria, where a container can be assigned a part number (identical to a barcode number) for ease of locating containers within the stores. This will be applicable to domains that have Sisot module.



Note that a part number can also be vendor or user dependent. A **Vendor Dependent Part Number** is the number reference provided by the manufacturer on the actual Vendor SDS for that particular product and it is only applicable that product SDS. A **User Dependent Part Number** is the type of number that is assigned by the user within the Chemwatch system as another identification method.

Creating a preferred name or a part number is attributed to user privileges as determined by the administrator of the system within your business or organisation. Some users may only

be granted privileges to view preferred names or part numbers, search by those assigned preferred names or part numbers but not able to delete or edit them.


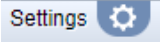




 If uncertain of your privileges, contact you're a system's administrator or send an email to [helpdesk@chemwatch.net](mailto:helpdesk@chemwatch.net).

## 12.1 Activate Preferred Names Filter Setting



### Preferred Names Filter Setting

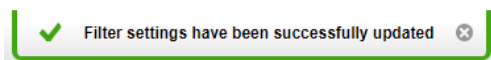
The preferred name filter setting must be checked in order to activate the preferred name feature to display on the materials grid's chemical name right click menu and the tools panel. The following steps will guide you on **how to activate the preferred names feature** (if permissions to the Filter Settings are granted by the administrator).




**Steps: Activate Preferred Names to Show in the Grid, Material Name Right Click Menu and Tools**

1. Select  the **Settings Link**  from the top left area of the user interface.
2. Select  **Filter Settings** button .
3. The **Global tab** will be displayed by default.
4. Select  the **Show Preferred Names** checkbox from the options.
5. Press  the **Submit** button.



- Click  the **Back** button  from the top left area of the user interface to go back to the home page. A confirmation message will display from the top middle area of the user interface.



-  If preferred names already exist in your domain account, this will be flagged by a display of the preferred name icon  on the grid alongside the name **acetone**  of the material or cat name. Preferred name(s) list can be viewed by clicking on the preferred name icon.

## 12.2 Creating and Editing a Preferred Name





Users granted permission to manage preferred names will be able to create new preferred names for materials and also edit already existing ones. The steps below show how to create a preferred name for a material by using the mouse right click functionality.

In this section, the information below will be used to illustrate the use of preferred names and part numbers.

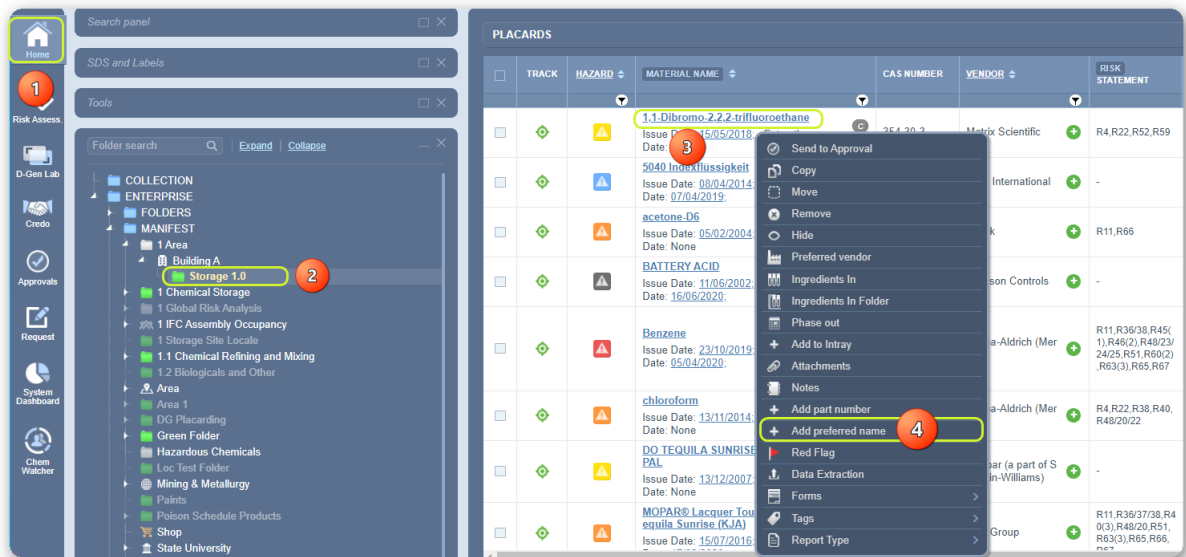
Chemical Name (IUPAC)	Preferred Name by User	Part Number by User
2,2-Dibromo-1,1,1-trifluoroethane	<b>Max Dibromoethane, 140SAE</b> <i>(This is a depositor-supplied synonym associated with the compound)</i>	<b>007195</b> <i>(e.g., Stock number used by employees for internal purposes)</i>

### 12.2.1 Creating a Preferred Name

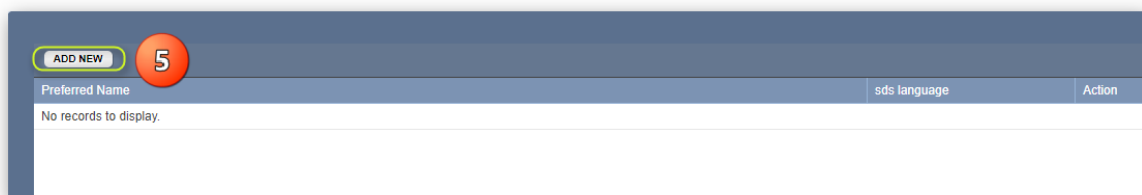
#### Steps: Creating a Preferred Name for a Material





- Select  the **Home** module button .
- Select  **Folder** name  that contains materials.

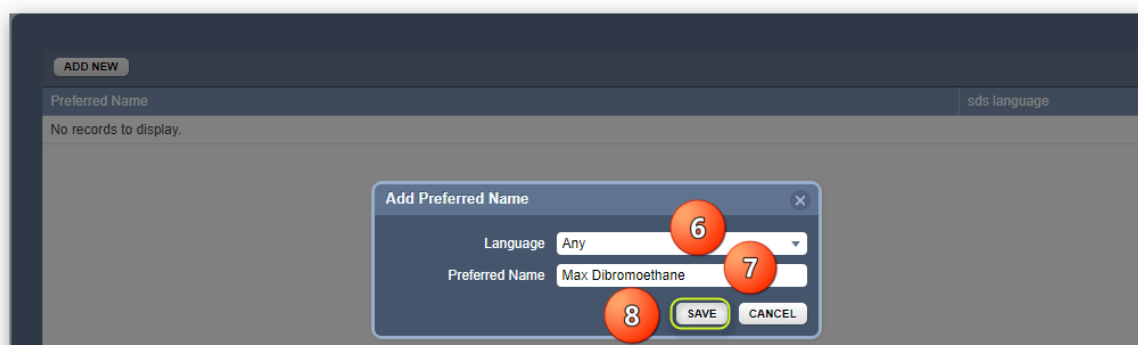
3. Mouse **right click**  on cat name from the list.
4. Select  **Add Preferred Name** option from the menu.



5. Click  on **Add New** button.



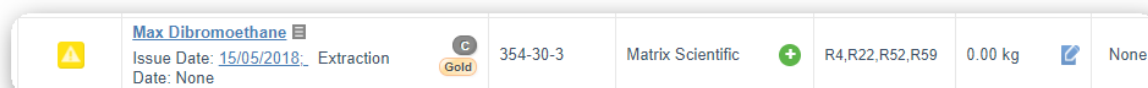
6. Select  **drop-down arrow** to set the applicable language (if required) or retain it to “Any”. Note that Any will apply to any available language.
7. Type  the **Preferred Name** in the preferred name text field , e.g., Max Dibromoethane
8. Click  the **Save** button.



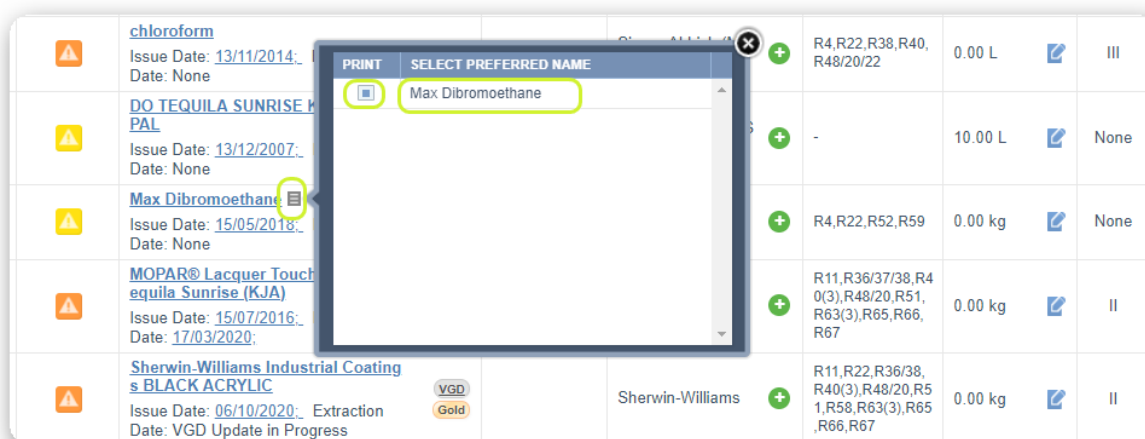
The preferred name is now assigned to the material. A message will be displayed to confirm the successful action undertaken.



- Select the **Folder name** to view the list of materials to confirm addition of preferred name in the list.



- Select the **preferred name icon** alongside the preferred name on the grid to print SDS by checking the box and clicking on the preferred name.



## 12.2.2 Search for a Material by Preferred Name

This section will demonstrate how to perform a simple search for a material by preferred name.

### Steps: Search for a Product from own Inventory by Preferred Name

- Select **Home** module button .
- Press the **Simple** tab.
- Press **Own** search path from the Search panel.
- Select **Vendor SDS** button from the SDS and Labels panel.
- Type the **Preferred Name**, in the Name/CAS field e.g., Max dibromoethane.
- Press the **Search** button.







- Click  on the track icon to locate the folder.

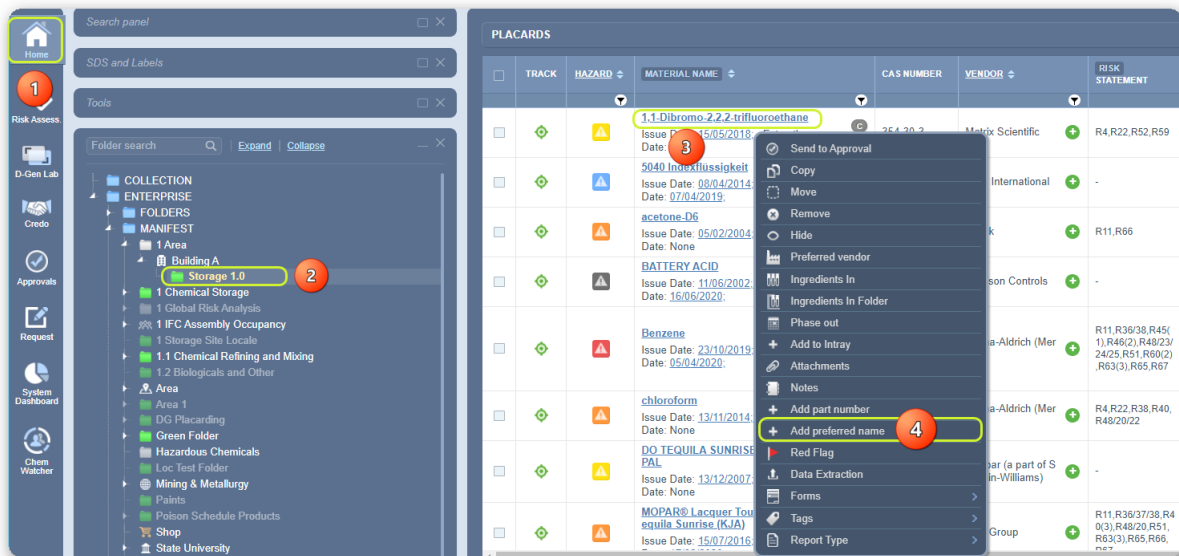


- Click on the folder name to open the list and open the Vendor SDS linked to the material with preferred name.

### 12.2.3 Editing a Preferred Name

#### Steps: Editing a Preferred Name

- Select  the **Home** module button .
- Select  the **Folder**  name that contains materials.
- Right click**  on a material that has a preferred name.
- Select  **Add Preferred Name** from the menu.



- Click  the action **Edit**.



Preferred Name	sds language	Action
Max Dibromoethane	Any language	<b>Edit</b> Remove

- Type **new preferred name** in the text field.
- Click **Save** button.

Preferred Name	sds language	Action
Max Dibromoethane	Any language	Edit Remove

**Edit Preferred Name**

Language: Any

Preferred Name:

**SAVE** **CANCEL**

The updated preferred name gets confirmed through a message show below.

✓ Preferred Name has been successfully updated


Material: 1,1-Dibromo-2,2,2-trifluoroethane(Preferred Names)

Preferred Name	sds language	Action
Dibroethane	Any language	Edit Remove

## 12.3 Creating and Editing Part Numbers

Chemwatch applications support assigning part numbers (stock or product identity numbers) to a material or product in the database. Part numbers help to quickly find the material or product by conducting a simple search by part number. Note that part numbers can also be “vendor dependent” (i.e., assigned as per registration of the product in the Chemwatch full collection) or User dependent (i.e., assigned by the user”).

### What is a “Part Number”?

A **Part Number** is any number used to identify materials/products in the Chemwatch system. The part number system also supports some Unicode  characters in the English keyboard (excluding “+” and “Greek” symbols).

## Types of Part Numbers and Assignment to Documents


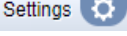




There are two main types of part numbers; User Part Number and Vendor Part Number:

- **User part number** is the type of part number that is assigned by a user and this part number can be linked to a Gold SDS (**User Gold**) or a Vendor SDS (**User Vendor**).
- **Vendor part number** is the type of part number that is a default number provided by the manufacturer on the Vendor SDS. This number cannot be changed by a user as it is a reference identity number or product ID/code issued by the manufacturer of the product.


### Part Number Filter Setting

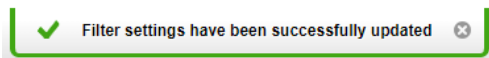
The part number filter setting must be checked in order to activate the part number feature to display on the materials grid's chemical name right click menu and the tools panel. The following steps will guide you on **how to activate the part number feature** <sup>123</sup> (if permissions to the Filter Settings are granted by the administrator).



#### Steps: Activate Part Number to Show in the Grid, Material Name Right Click Menu and Tools



1. Select  the **Settings Link**  from the top left area of the user interface.
2. Select  **Filter Settings** button .
3. The **Global** tab will be displayed by default.
4. Select  the **Show Part Number** checkbox from the options.
5. Press  the **Submit** button.



- Click the **Back** button  from the top left area of the user interface to go back to the home page. A confirmation message will display from the top middle area of the user interface.



 If part numbers already exist in your domain account, this will be flagged by a display of the part number icon  on the grid's Part No column alongside the material or cat name. Part No.s can be viewed by clicking on the part number icon as shown below.

PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR
	5040 Indexflüssigkeit Issue Date: 08/04/2014. Extraction Date: 07/04/2019.	VGD Gold	AGR International +
	acetone-D6 Issue Date: 05/02/2004. Extraction Date: None	Gold	666-52-4 Merck +

**Part Number**

ADD NEW



PART NUMBER	TYPE	ISSUE DATE
<input type="checkbox"/> 444	User-Vendor	27/03/2015
<input type="checkbox"/> 1.4	User-Gold	
<input type="checkbox"/> 333	User-Gold	
<input type="checkbox"/> 3456	User-Gold	
<input type="checkbox"/> 88	User-Gold	
<input type="checkbox"/> 9369999026790	User-Gold	
12540	Vendor	23/10/2019
401765	Vendor	29/09/2017
319953	Vendor	27/09/2017
46186	Vendor	27/07/2016

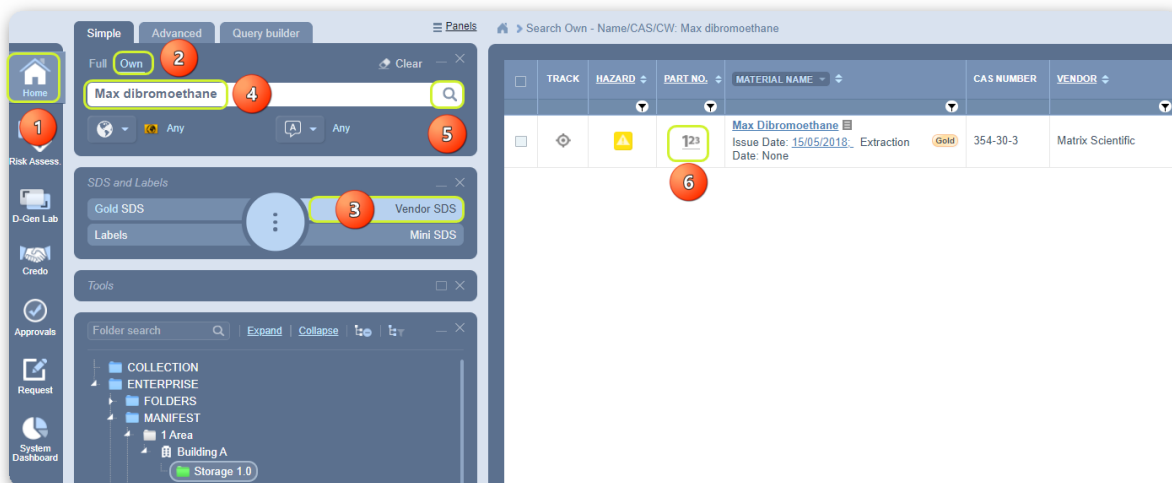
1 2 3 10 items per page 1 - 10 of 29 items

### 12.3.1 Opening the Part Number Window from a Simple Search

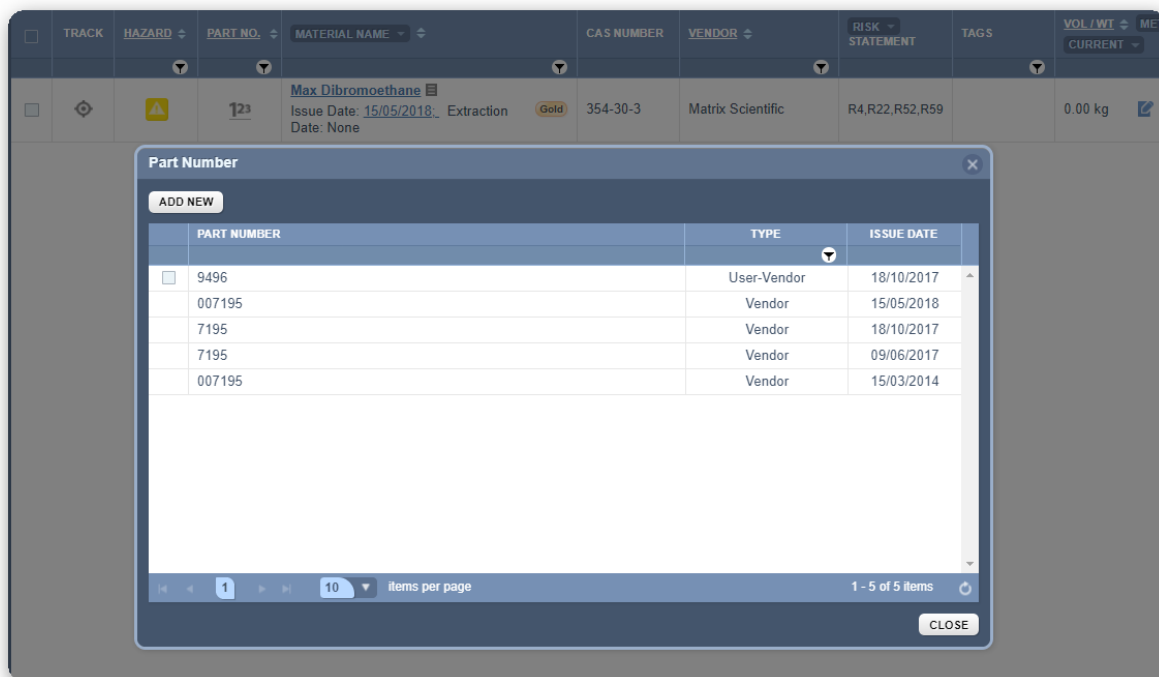
**Option1** – Open the Part Number Window from the Materials Table

**Steps: Open the Part Number window after performing a Simple Search**

- Press the **Home** module button .
- Select **Own** search path from the Search panel.
- Press the **Vendor SDS** button within the SDS and Labels panel.
- Type the **name of the material**, e.g., Max dibromoethane.
- Click the **Search** button.
- Select the **Part Number icon**  alongside the name of the material.




- The part number window displays the available part numbers from the vendor or user dependent part numbers (if they were created by a user).



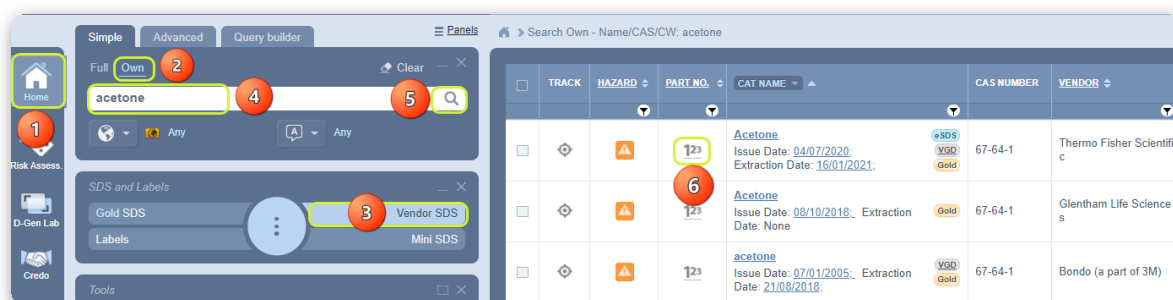
**i** In this case, if a part number is added from the material's list, this part number will default to a User Gold part number as it will be linked to a material's Gold SDS.

## Option2 – Open the Part Number Window from the Documents Table

### Steps: Part Number window view from the Documents Table after a Simple Search

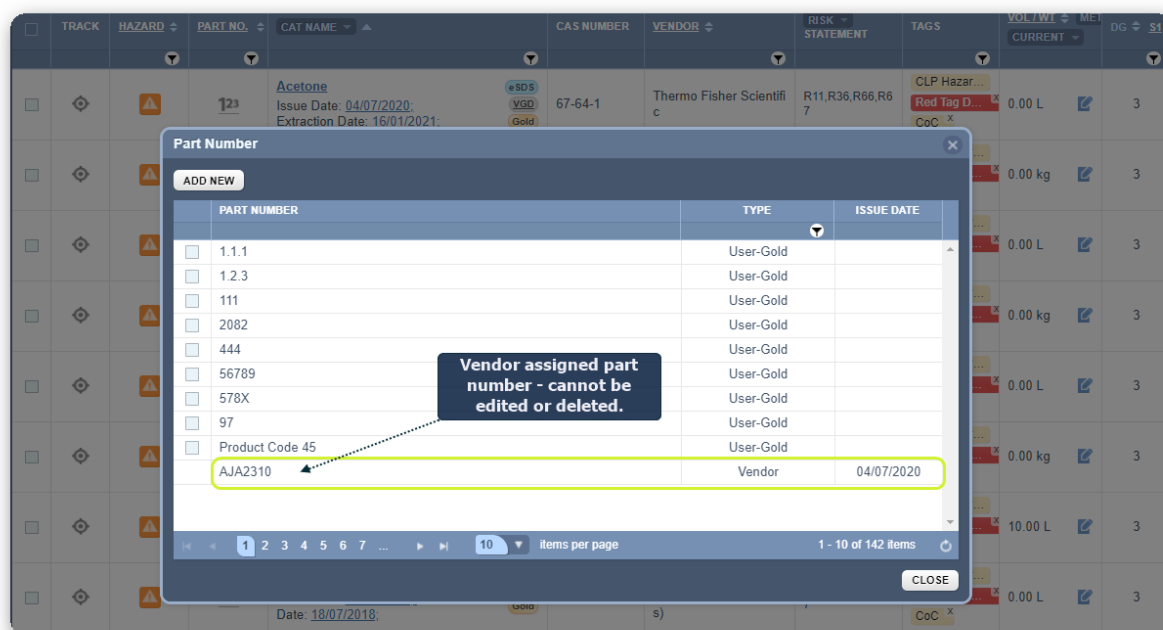
- Press **Home** module button .
- Select **Own** search from within the Search Panel.
- Press **Vendor SDS** button within the SDS and Labels panel.

- Type the name of the material, e.g., Acetone.
- Click the Search button.
- Select the Part Number icon **123** alongside the document name of the product.



- The Part Number window will display available list of part numbers.

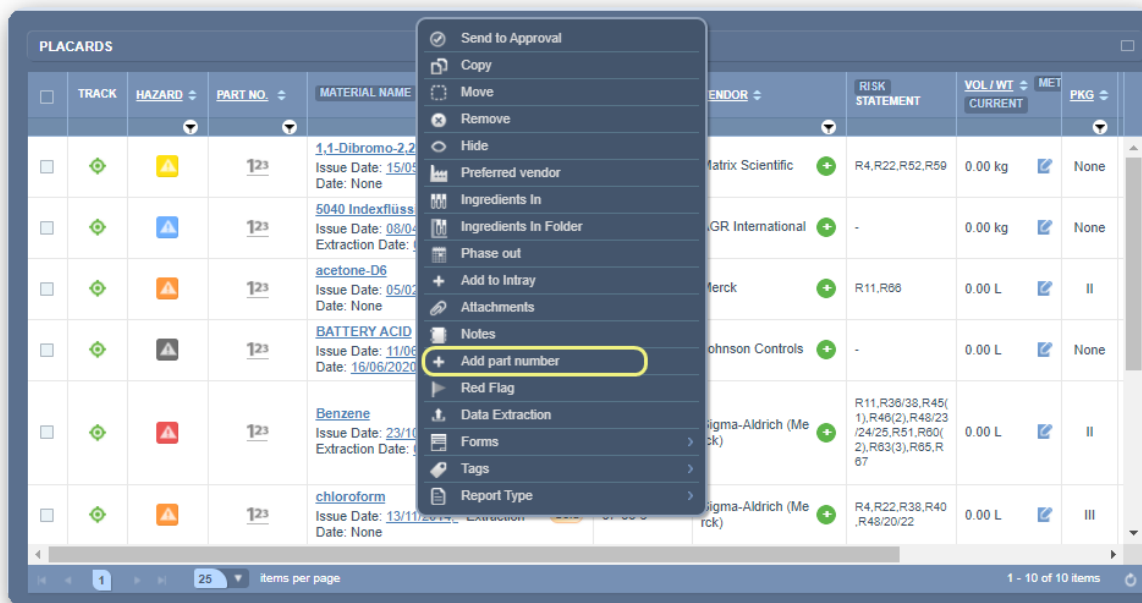
**i** In this case, if a part number is added from the documents list, this part number will default to a user vendor part number as it will be linked to a document.



### 12.3.2 Adding a User Part Number to a Material

There are two ways to add a user part number to a material:

- By using the part number icon
- By using the tools panel
- By using the right click menu option



**i** A **Part Number** cannot be added when a user conducts a full search. In order to add a part number associated with a material or a Vendor SDS product, that particular product must be in your OWN inventory, otherwise adding a user part number to the Chemwatch Full Collection is not supported.

The following topics delve into searching for material and adding a user part number as well as finding a user part number on Section 1 of a Gold SDS. Adding a user part number will be shown by using the part number icon option for all the activities.






### 12.3.3 Search for a Material and add a User Part Number to a Gold SDS



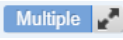


The search criteria will be conducted from the OWN inventory in order to add a user part number to a material and associate it with a Gold SDS record.


**i** If the material does not exist in your own inventory, then the first step should be “to add the material into your inventory first” and thereafter, add the user part number.

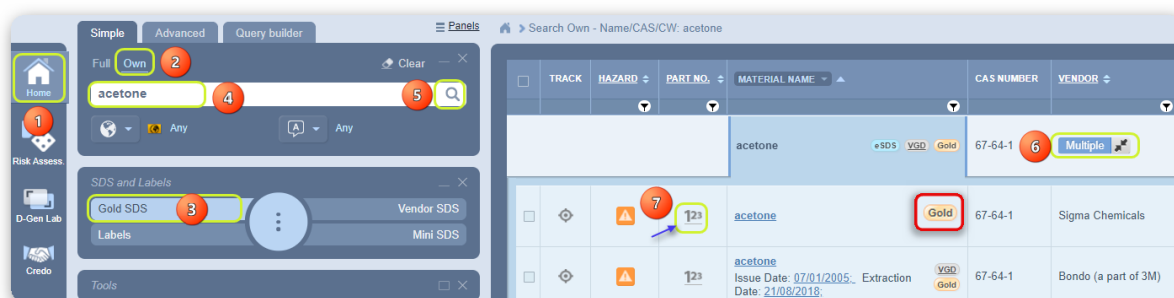
The steps below illustrate a worked example for an already existing material in OWN inventory list to add a user dependent part number.

#### Steps: Search and Add a User Part Number to a Material (to associate it with a Gold SDS)

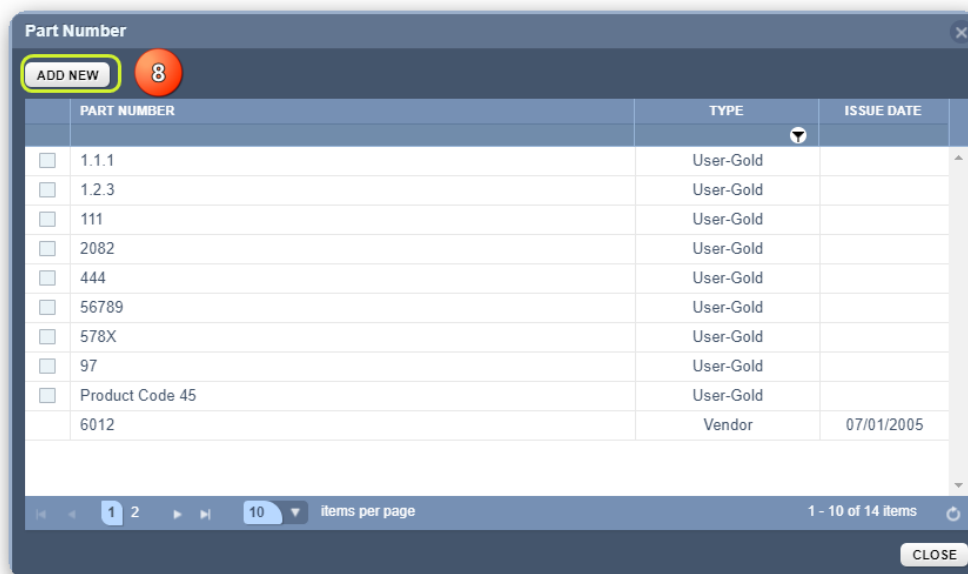
1. Press  the **Home** module button .
2. Select  **Own** search from within the Search panel.
3. Press  the **Gold SDS** button within the SDS and Labels panel.
4. Type  the Material, e.g., Acetone.





- Click  the **Search** button.
- Press  the **Multiple** button  to expand the list to view linked vendor products (cat names). The multiple button gets displayed only when there's more than one vendor for the same material in your inventory.
- Select  the **Part Number icon**  alongside the name of the material.

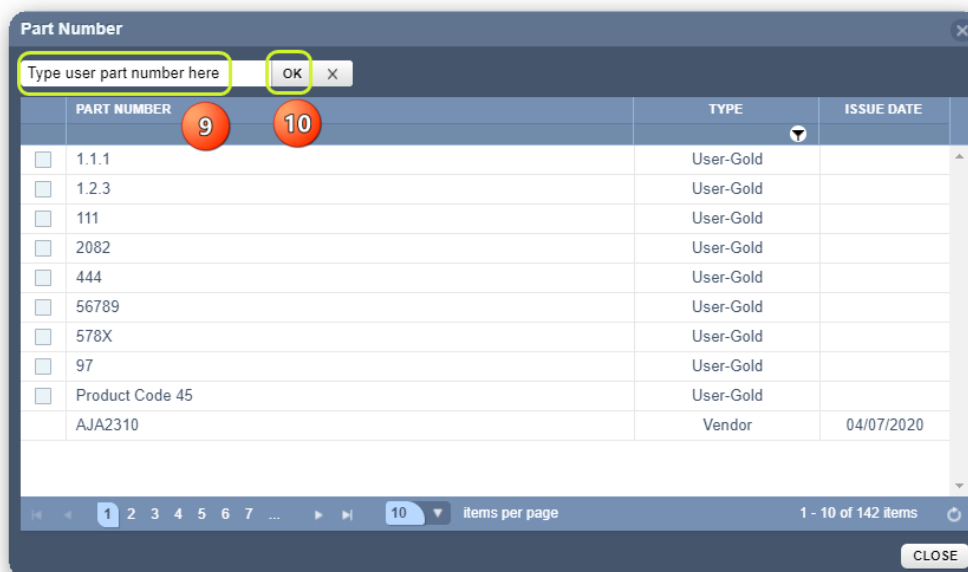
 In this case, if a part number is added from the material's list, this part number will default to a User Gold part number as it will be linked to a material's Gold SDS.



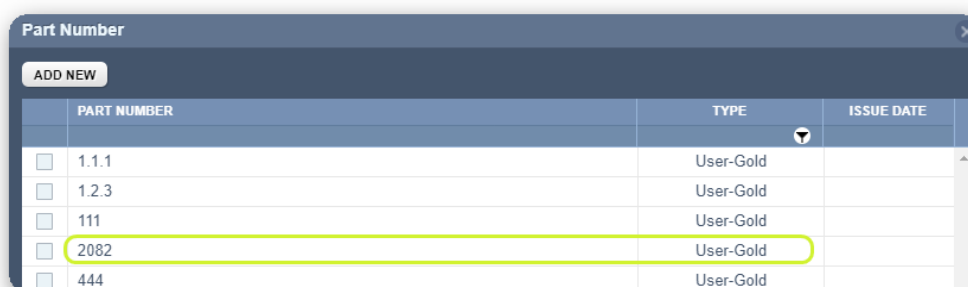
- Click  the **Add New** part number button .



- Type  the **new part number** in the free text field , e.g., 2082.
- Click  the **OK** button next to the free text field .



11. Part number is displayed in the list.









**i** Note that the Part Number added from a materials list table is automatically associated with the part number type; **User Gold**.

12. Press the **Close** button.

### 12.3.3.1 User Part Number on a Gold SDS

A user part number will get displayed in Section 1 of the Gold SDS. The follow steps show how to display a Gold SDS and confirm your user part number.

#### Steps: Find a User Part Number on a Gold SDS

1. Select  the **Home** module button .
2. Select  folder name .
3. Press  the **Gold SDS** button within the SDS and Labels panel.
4. Click  the **Material Name**.



The screenshot shows the ChemWatch interface with several panels. On the left, there's a navigation sidebar with buttons for Home, Risk Assess, D-Gen Lab, Credo, Approvals, and Request. The main area is divided into 'SDS and Labels' and 'Tools' sections. The 'SDS and Labels' section has a search panel with filters for Gold SDS (circled 3), Vendor SDS, and Mini SDS. Below it is a folder search tree with 'Storage 1.0' highlighted (circled 2). The 'Tools' section is currently empty. The main table, titled 'PLACARDS', lists various materials with columns for TRACK, HAZARD, PART NO., MATERIAL NAME, CAS NUMBER, and VENDOR. The 'Benzene' row is highlighted (circled 4). A red circle 1 points to the Home button in the sidebar.

5. Go to **Section 1** of the Gold SDS,






The screenshot shows the 'BENZENE ChemWatch Review SDS' document. It includes a 'Chemwatch Hazard Alert Code: 4' and 'Issue Date: 16/10/2019'. The document is structured into sections. 'SECTION 1 Identification' is highlighted. A callout box with a blue arrow points to the 'Other means of identification' field, which contains the value '1.4, 333, 3456, 88, 9369999026790'. The callout text reads: 'Section 1: Identification The part number is shown in the product identifier as "Other means of identification"'. Below this, there is a table for 'Product Identifier' with fields for Product name, Chemical Name, Synonyms, Proper shipping name, and Chemical formula. Further down, there is a section for 'Recommended use of the chemical and restrictions on use' and a 'Relevant identified uses' section with the text 'DANGEROUS POISON'.

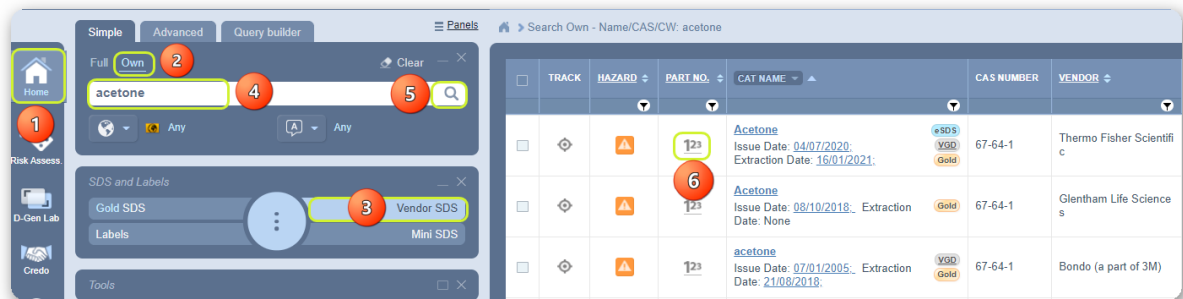
### 12.3.4 Search for a Material and Add a User Part Number to a Vendor SDS



The search criteria will be conducted from the OWN inventory option in order to add a user part number to a material and associate it with a Vendor SDS record. If the material does not exist in your own inventory, then the first step should be “to add the product Vendor SDS into your inventory first” or into a folder and thereafter, add the user part number. The steps below illustrate a worked example for an already existing material in OWN inventory list.

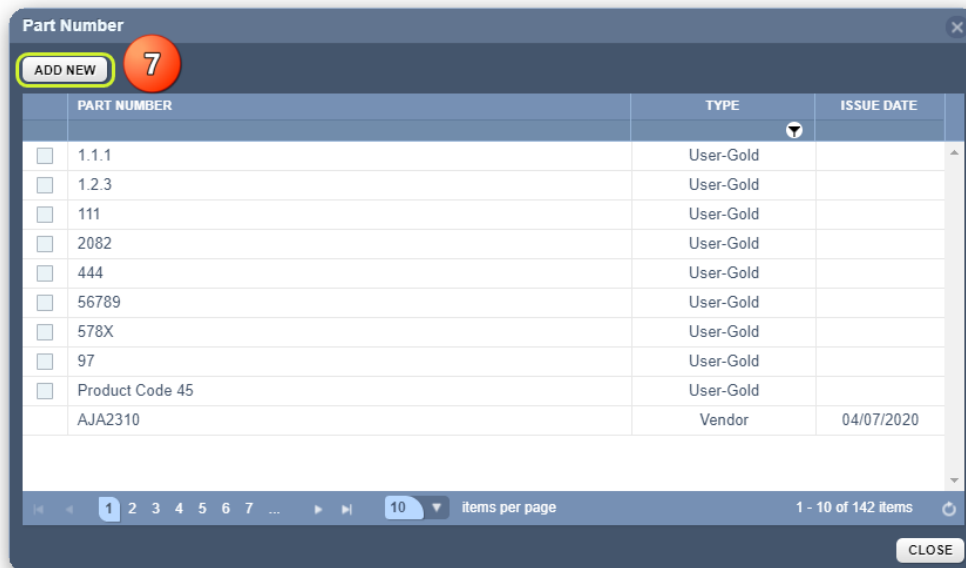
#### Steps: Search and Add a User Part Number to a Product (to associate it with a Vendor SDS)





1. Press the **Home** module button .
2. Select **Own** search from within the Search panel.

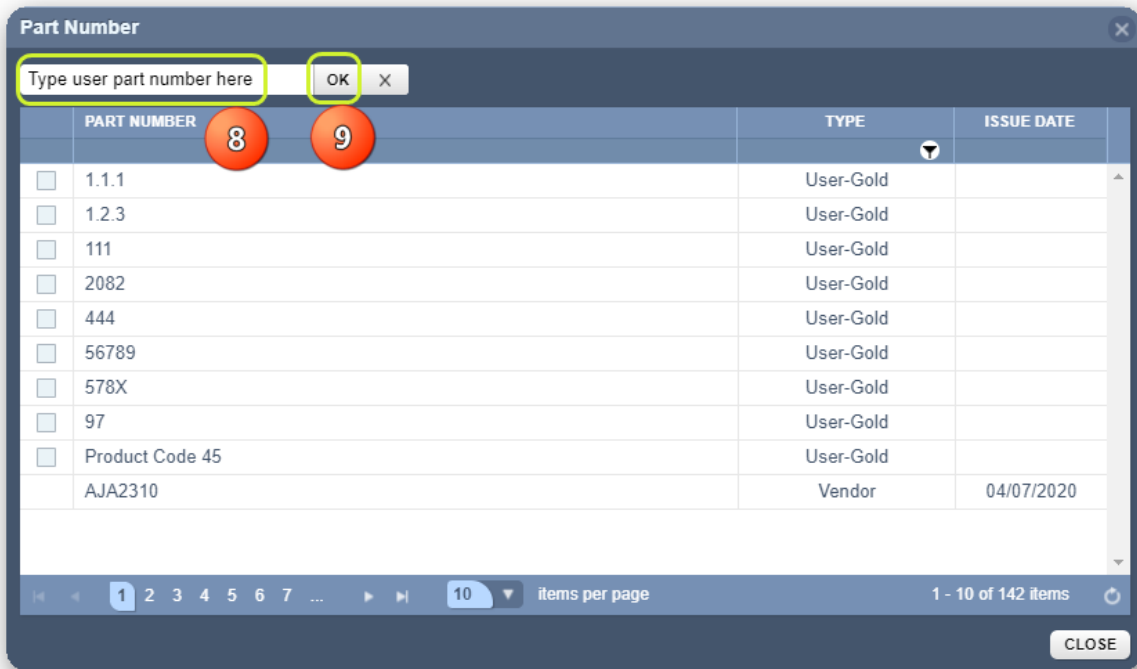
- Press  the **Vendor SDS** button in the SDS and Labels panel.
- Type  the **name of the material**, e.g., Acetone.
- Click  the **Search** button.
- Select  the Part Number icon  alongside the document name of the material.



- Click  the **Add New** button . The Part Number window will display any available list of part numbers.



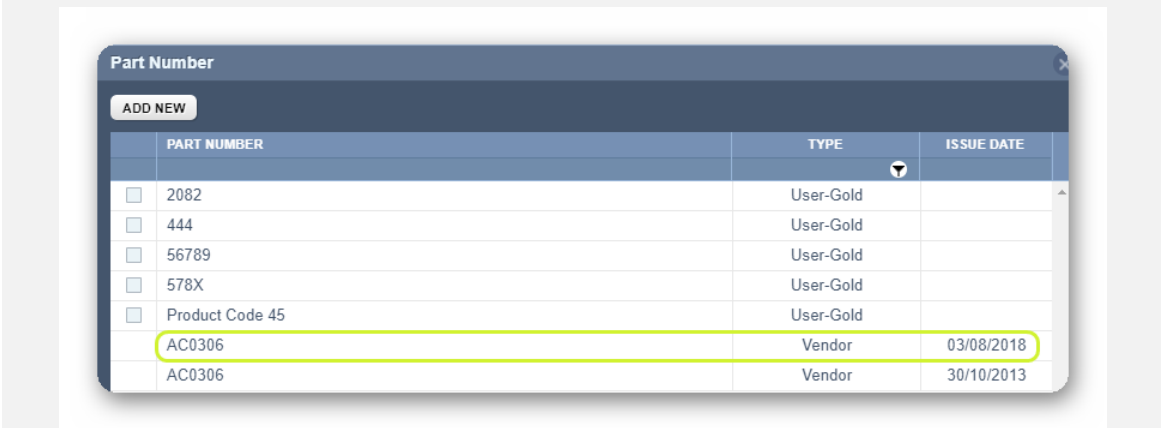
- Type  the **new part number** in the free text field .
- Click  the **OK** button next to the free text field .



**i** Message is displayed. ✔ Part Number has been successfully created ✕

10. Press the **Close** button.







**i** If a product already contains Vendor Part numbers for associated vendor documents (with respective issue dates), the part numbers will be shown as Vendor type. A Vendor type of part number is issued by the manufacturer.

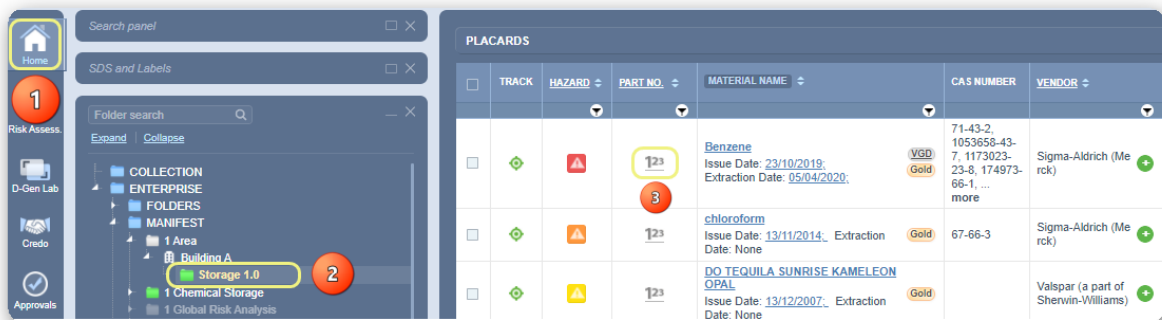





### 12.3.5 Deleting a User Part Number

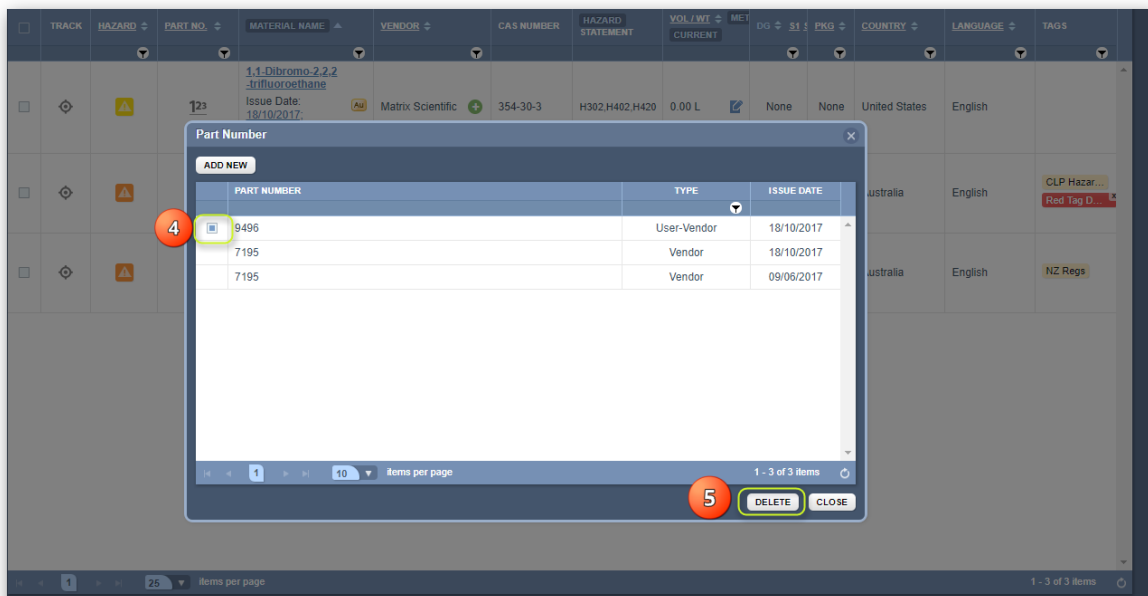
The steps below illustrate how to delete a user part number assigned to a product (Cat Name).


#### Steps: Delete a User Part Number

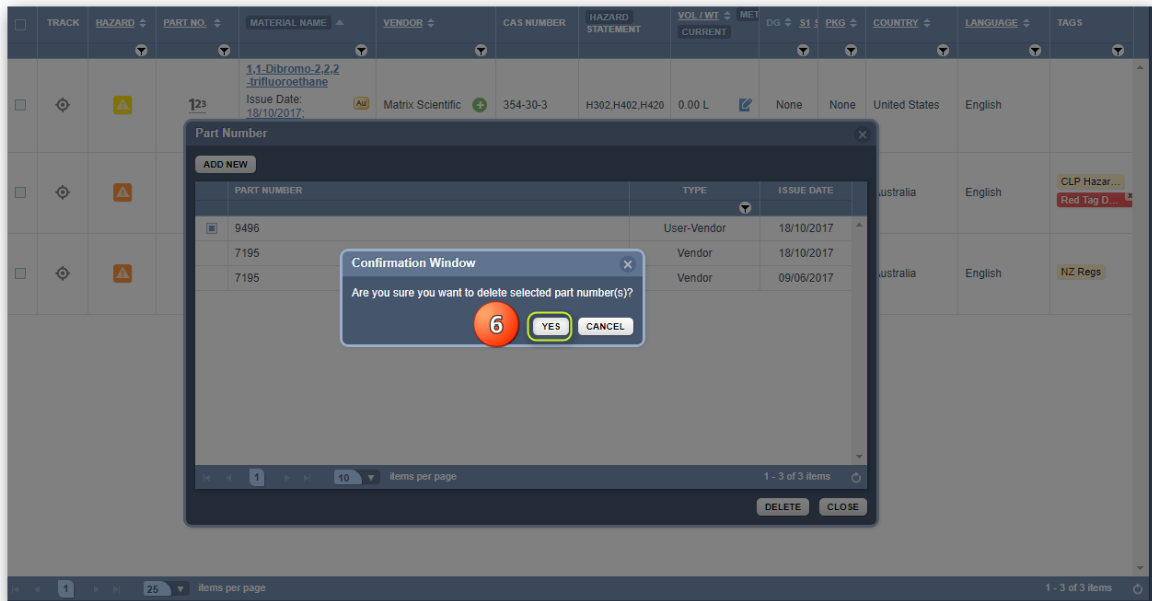
1. Select  the **Home** module button .
2. Select  **Folder** name  that contains materials with part numbers.
3. Press  the **Part Number** icon  alongside the name of the product.



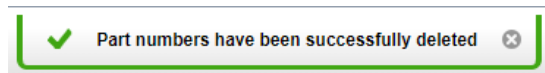
4. Select  the **Checkbox**  next to the user part number.
5. Press  the **Delete** button.



6. Click  the **Yes** button to confirm deletion of a part number.

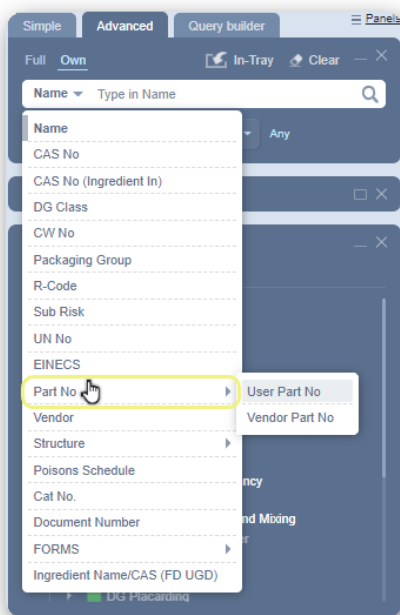


**i** A confirmation message will display to alert you of the successful removal of the part number from the records.



### 12.3.7 Search by Part Number

The Search Panel contains Advanced Search options that allow users to look up for materials by using a specific criterion to find an exact match or close (associated) matches.









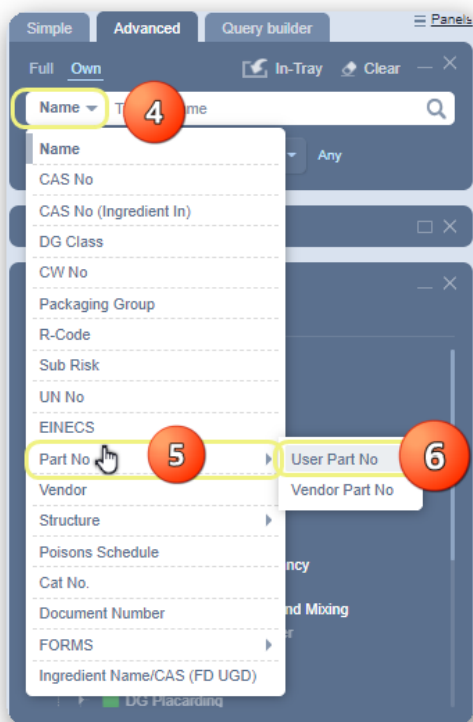
The advanced search options relevant to look for materials by part number are;




- User Part No
- Vendor Part No

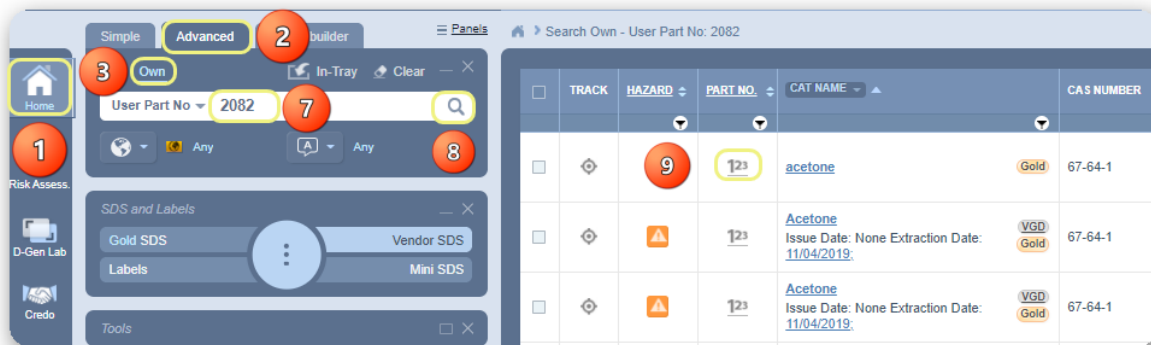
The following steps show how to search for a material from your own inventory by **User Part No.** option.

### Steps: Search by User Part Number

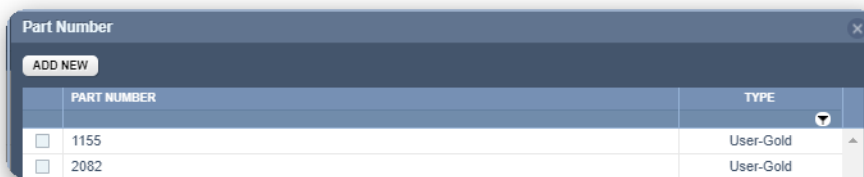
1. Select  **Home** Module button .
2. Press  the **Advanced** search tab from the Search panel.
3. Press  the **Own** search option within the Search panel.
4. Select  **Name drop-down arrow** in the Search text field.
5. Hover the mouse over to **Part No forward arrow**.
6. Click  on the **User Part No** to set it as the current search method.



7. Type the **User Part number** for the material in the free text field .
8. Press  the **Search** button.
9. Click  the **Part Number** icon <sup>123</sup> alongside the name of the product



10. The part number window displays a list of available part numbers associated with the material.



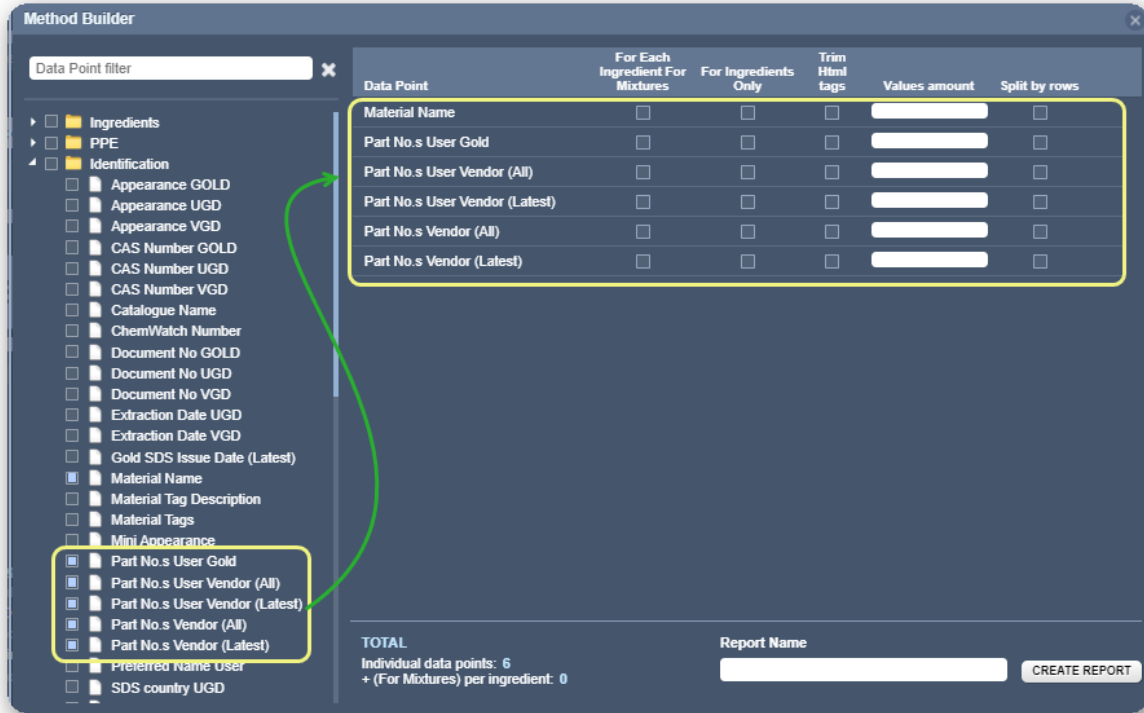
### 12.3.8 Part Number Functionality in Other Modules

#### Part Numbers Data Points in Report Generator

The User and Vendor Part Numbers are split into the following datapoints within the Report Generator's Identification Folder Directory:

- Part Numbers for User Vendor (All)
- Part Numbers for User Vendor (Latest)
- Part Numbers (All)
- Part Numbers for Vendor (Latest)

Users can create a template to generate a report by using these various types of datapoints.

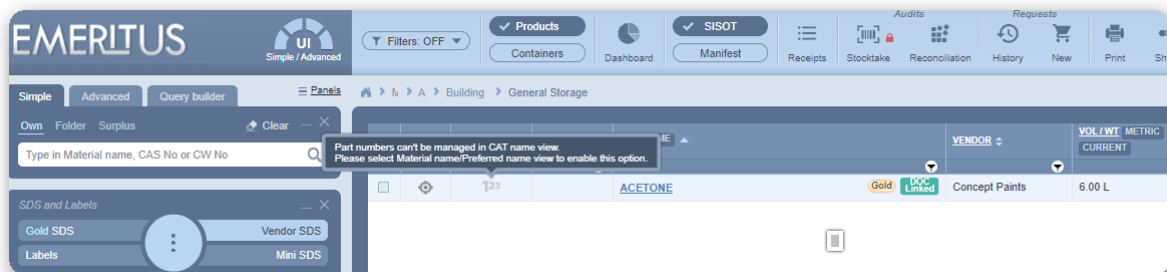


The spreadsheet will show the datapoints as header columns.

	A	B	C	D	E	F	G
1	Material Name	Catalogue Name	Part No.s User Vendor (All)	Part No.s User Gold	Part No.s User Vendor (Latest)	Part No.s Vendor (All)	Part No.s Vendor (Latest)
2	benzene	benzene		333 3456 936999026790 88 1.4		676985 561452 154628 481076 32212 CRM463	676985 154628 319953
3	hydrogen cyanide	hydrogen cyanide		5678		23 52585 319953	
4	acetone	acetone		2082 Product Code		401765 395749	401765 395749
				45 12345 1.2.3 1.1.1 578X			

## Part Numbers in Sisot Module

Part Numbers have been redesigned and are now stored at the document level as we have seen in the previous topics. Part Numbers will now be reported per vendor document and not per group of vendor documents. Part numbers cannot be managed at cat name level as cat names are associated with barcodes, cat numbers for containers.



Contact your Account Manager in Chemwatch for more information about the Scan In ScanOut Technology (Sisot) and Chemeritus package upgrades.



# Appendix

## Summary Structure of an SDS

The Summary of the information contained in the Code of Practice for the Preparation of an SDS is tabled below. *[It is not a comprehensive list of information required on the SDS]*

Section	Headers
1. Product identifier & identity for the chemical	<ul style="list-style-type: none"> <li>▶ Product Identifier</li> <li>▶ Other means of identification</li> <li>▶ Recommended use of the chemical and restrictions on use</li> <li>▶ Supplier's name, address and phone number</li> <li>▶ Emergency phone number</li> </ul>
2. Hazard Identification	<ul style="list-style-type: none"> <li>▶ Classification of the hazardous chemical</li> <li>▶ Label elements, including precautionary statements</li> <li>▶ Other hazards which do not result in classification</li> </ul>
3. Composition/information on ingredients	<ul style="list-style-type: none"> <li>▶ Identity of chemical ingredients</li> <li>▶ CAS number and other unique identifiers</li> <li>▶ Concentration of ingredients</li> </ul>
4. First Aid Measures	<ul style="list-style-type: none"> <li>▶ Description of necessary first aid measures</li> <li>▶ Symptoms caused by exposure</li> <li>▶ Medical Attention and Special Treatment</li> </ul>
5. Fire Fighting Measures	<ul style="list-style-type: none"> <li>▶ Suitable extinguishing media</li> <li>▶ Specific hazards arising from the chemical</li> <li>▶ Special protective equipment and precautions for fire fighters</li> </ul>
6. Accidental release measures	<ul style="list-style-type: none"> <li>▶ Personal precautions, protective equipment and emergency procedures</li> <li>▶ Environmental precautions</li> <li>▶ Methods and materials for containment and cleaning up</li> </ul>
7. Handling and Storage	<ul style="list-style-type: none"> <li>▶ Precautions for safe handling</li> <li>▶ Conditions for safe storage, including any incompatibilities</li> </ul>
8. Exposure controls/personal protection	<ul style="list-style-type: none"> <li>▶ Control parameters – exposure standards, biological monitoring</li> <li>▶ Appropriate engineering controls</li> <li>▶ Personal protective equipment (PPE)</li> </ul>
9. Physical and chemical properties	<ul style="list-style-type: none"> <li>▶ Appearance</li> <li>▶ Odour</li> <li>▶ Odour threshold</li> <li>▶ pH</li> <li>▶ Melting point/freezing point</li> <li>▶ Boiling point and boiling range</li> <li>▶ Flash point</li> </ul>

	<ul style="list-style-type: none"> <li>▶ Evaporation rate</li> <li>▶ Flammability</li> <li>▶ Upper/lower flammability or explosive limits</li> <li>▶ Vapour pressure</li> <li>▶ Vapour density</li> <li>▶ Relative density</li> <li>▶ Solubility</li> <li>▶ Partition coefficient: n-octanol/water</li> <li>▶ Auto-ignition temperature</li> <li>▶ Decomposition temperature</li> <li>▶ Viscosity</li> <li>▶ Specific heat value</li> <li>▶ Particle size</li> <li>▶ Volatile organic compounds content</li> <li>▶ % volatile</li> <li>▶ Saturated vapour concentration</li> <li>▶ Release of invisible flammable vapours and gases</li> </ul>
<b>Additional parameters</b>	<ul style="list-style-type: none"> <li>▶ Shape and aspect ratio</li> <li>▶ Crystallinity</li> <li>▶ Dustiness</li> <li>▶ Surface area</li> <li>▶ Degree of aggregation or agglomeration</li> <li>▶ Ionisation (redox potential)</li> <li>▶ Biodurability or biopersistence</li> </ul>
<b>10. Stability and Reactivity</b>	<ul style="list-style-type: none"> <li>▶ Reactivity</li> <li>▶ Chemical stability</li> <li>▶ Conditions to avoid</li> <li>▶ Incompatible materials and possible hazardous reactions</li> <li>▶ Hazardous decomposition products</li> </ul>
<b>11. Toxicological information</b>	<ul style="list-style-type: none"> <li>▶ Information on routes of exposure</li> <li>▶ Symptoms related to exposure</li> <li>▶ Numerical measures of toxicity</li> <li>▶ Immediate, delayed and chronic health effects from exposure</li> <li>▶ Exposure Levels</li> <li>▶ Interactive effects</li> <li>▶ Data limitations</li> </ul>
<b>12. Ecological information</b>	<ul style="list-style-type: none"> <li>▶ Ecotoxicity</li> <li>▶ Persistence and degradability</li> <li>▶ Bioaccumulative potential</li> <li>▶ Mobility in soil</li> <li>▶ Other adverse effects</li> </ul>
<b>13. Disposal considerations</b>	<ul style="list-style-type: none"> <li>▶ Safe handling and disposal methods</li> <li>▶ Disposal of any contaminated packaging</li> <li>▶ Environmental regulations</li> </ul>

<p><b>14. Transport information</b></p>	<ul style="list-style-type: none"> <li>▶ UN number</li> <li>▶ Proper shipping name</li> <li>▶ Transport hazard class(es)</li> <li>▶ Packing group</li> <li>▶ Environmental hazards</li> <li>▶ Special precautions during transport</li> <li>▶ Hazchem Code</li> </ul>
<p><b>15. Regulatory information</b></p>	<ul style="list-style-type: none"> <li>▶ Safety, health and environmental regulations specific for the product in question</li> <li>▶ Poisons Schedule number</li> </ul>
<p><b>16. Other information</b></p>	<ul style="list-style-type: none"> <li>▶ Date of preparation or review</li> <li>▶ Key abbreviations or acronyms used</li> </ul>

## Gold SDS Sample

**ACETONE**  
Mera Chemicals

Chemwatch: 1090  
Version No: 4.1.1.1  
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 3  
Issue Date: 26/02/2018  
Print Date: 08/12/2018  
L.GHS.AUS.EN

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**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifier**

Product name	ACETONE
Chemical Name	acetone
Synonyms	CS-H6-O, CH3COCH3, propanone; pyruvic acid; pyruvic acid ether; 2-propanone; beta-hydropropane; methyl ketone; propan-2-one; dimethyl ketone; ketone; dimethyl ketone propane; dimethyl formaldehyde; RF Services; RCRA Waste No. U002; EM000739; APS RETL00020006 UCH00002546 RDEH06009000; SPCL00000585 AR0000006 UL0000007 M&B00004946; Ashland Acetone ECD Mobil 878033 971934; J.T.Baker Chem-Supply; Product code: 11931; Product Code: 1.00014; Product Code: 100014
Proper shipping name	ACETONE
Chemical formula	CH3COCH3
Other means of identification	1.1.1, 1.2.3, 111, 2082, 444, 56789, 578X, 97, Product Code 45
CA 8 number	67-64-1

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
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**Details of the supplier of the safety data sheet**

Registered company name	Mera Chemicals	Chem-Supply
Address	34 Law Court West Sunshine VIC 3020 Australia	38 - 50 Badford Street GILLMAN SA 5013 Australia
Telephone	+613 9311 4244(0417 339927	+61 8 8440 2000
Fax	+613 9311 3755	+61 8 8440 2001
Website	Not Available	https://www.chemsupply.com.au
Email	info@merachemicals.com.au	info@chemsupply.com.au

**Emergency telephone number**

Association / Organisation	Not Available	Not Available
Emergency telephone numbers	Not Available	Not Available
Other emergency telephone numbers	Not Available	Not Available

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**SECTION 2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**| HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.**

**CHEMWATCH HAZARD RATINGS**

Flammability	2
Toxicity	1
Body Contact	2
Reactivity	1
Chronic	0

**NFPA 704 diamond**

Note: The hazard category numbers found in GHS classification in section 2 of this SDS are NOT to be used to fill in the NFPA 704 diamond. Blue = Health; Red = Fire; Yellow = Reactivity; White = Special (Oxidizer or water reactive substances)

**Poisons Schedule**: S5

**Classification (1)**: Flammable Liquid Category 2, Specific target organ toxicity - single exposure Category 3 (narcoic effects), Eye Irritation Category 2A

**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from HS(E); 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

**Label elements**

Hazard pictogram(s):

<b>SIGMA-ALDRICH</b>	<small>sigma-aldrich.com</small>
	<b>SAFETY DATA SHEET</b>
	Version 3.16
	Revision Date 21.08.2018
	Print Date 22.09.2018

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifiers**

Product name	: Acetone
Product Number	: 650501
Brand	: Sigma-Aldrich

**1.2 Other means of identification**

No data available

**1.3 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses	: Laboratory chemicals, Manufacture of substances
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**1.4 Details of the supplier of the safety data sheet**

Company	: Sigma-Aldrich Pty. Ltd. 12 Anella Avenue CASTLE HILL NSW 2154 AUSTRALIA
Telephone	: +61 2 9841 0555 (1800 800 097)
Fax	: +61 2 9841 0500 (1800 800 096)

**1.5 Emergency telephone number**

Emergency Phone #	: Free call (24/7): 1800 448 465 Int'l (24/7): +61 2 9037 2994 (CHEMTREC)
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**2. HAZARDS IDENTIFICATION**

**2.1 GHS Classification**

Flammable liquids (Category 2)  
 Serious eye damage/eye irritation (Category 2A)  
 Specific target organ toxicity - single exposure (Category 3), Central nervous system

**2.2 GHS Label elements, including precautionary statements**

Pictogram	
Signal word	Danger
Hazard statement(s)	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Precautionary statement(s)	
Prevention	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.

## Mini SDS Sample

Chemwatch: 1090 Chemwatch Hazard Alert Code: 3

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**MINI SDS**

### ACETONE

INGREDIENTS	CAS NO	%	8HR OEL
acetone	67-64-1	95-99.5	1185 mg/m <sup>3</sup>







GHS	DG	PROPERTIES
	<p>UN No: 1090 DG Class: 3 Subsidiary Risk: <b>Not Applicable</b> Packing Group: II</p>	<p>Liquid. Mixes with water. Highly flammable.</p>

HEALTH HAZARD INFORMATION	EMERGENCY
<p>Signal word: Danger</p> <p>Hazard statement(s):                      H225 Highly flammable liquid and vapour.                      H303 May be harmful if swallowed.                      H313 May be harmful in contact with skin.                      H305 May be harmful if swallowed and enters airways.                      H316 Causes mild skin irritation.                      H319 Causes serious eye irritation.                      H336 May cause drowsiness or dizziness.                      H333 May be harmful if inhaled.</p>	

PRECAUTIONS FOR USE	FIRST AID
<p>Appropriate engineering controls: Local Exhaust Ventilation recommended.</p> <p>Glasses: Consider chemical goggles.</p> <p>Gloves: 1.BUTYL/NEOPRENE 2.PE/EVAL/PE</p> <p>Respirator: Type AX Filter of sufficient capacity. (AS/NZS 1716 &amp; 1715, EN 143:2000 &amp; 149:2001, ANSI Z88 or national equivalent)</p> <p>Storage and Transportation: Store in cool, dry, protected area. Restrictions on Storage apply. Refer to Full Report. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. Keep out of reach of children. Keep container in a well ventilated place. Keep away from sources of ignition. No smoking.</p> <p>Fire/Explosion Hazard: HIGHLY FLAMMABLE. Vapours/gas heavier than air. Toxic smoke/fumes in a fire. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. In case of fire and/or explosion, DO NOT BREATHE FUMES.</p>	<p>Swallowed: Give water (if conscious). Seek medical advice.</p> <p>Eye: Wash with running water.</p> <p>Skin: Remove contaminated clothing. Wash with soap &amp; water.</p> <p>Inhaled: Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.</p> <p>Advice To Doctor: No antidote. Supportive care.</p> <p>Fire Fighting: Keep containers cool. Water spray/ fog. Foam - alcohol type. Spilled liquid has low boiling temperature and evaporates quickly. Eliminate ignition sources. Consider evacuation. Prevent from entering drains. Contain spillage by any means. Control vapour with water spray/ fog. Absorb with dry agent. Stop leak if safe to do so. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water.</p> <p>Spills and Disposal:</p>

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS
<p>+      x      x      x      +      +      +</p> <p>x — Must not be stored together                      0 — May be stored together with specific precautions                      + — May be stored together</p>

## Label Sample

ACETONE	Danger	ACETONE	Danger
INGREDIENTS: ACETONE, 67-64-1, 95-99.5 %	  	INGREDIENTS: ACETONE, 67-64-1, 95-99.5 %	  
<p><b>Hazard Codes/Statements:</b> H225 - Highly flammable liquid and vapour.; H303 - May be harmful if swallowed.; H313 - May be harmful in contact with skin.; H305 - May be harmful if swallowed and enters airways.; H316 - Causes mild skin irritation.; H319 - Causes serious eye irritation.; H336 - May cause drowsiness or dizziness.; H333 - May be harmful if inhaled.</p> <p><b>Precautionary statement(s):</b> If medical advice is needed, have product container or label at hand.; Keep out of reach of children.; Read label before use.; Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.; Use only outdoors or in a well-ventilated area.; Avoid breathing mist/vapours/spray.; Wear protective gloves/protective clothing/eye protection/face protection.; IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider. Do NOT induce vomiting.; In case of fire: Use alcohol resistant foam or normal protein foam to extinguish.; IF INHALED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.; Store in a well-ventilated place. Keep cool. Store locked up.; Dispose of contents/container in accordance with local regulations.; See SDS for full list of P phrases</p>		<p><b>Hazard Codes/Statements:</b> H225 - Highly flammable liquid and vapour.; H303 - May be harmful if swallowed.; H313 - May be harmful in contact with skin.; H305 - May be harmful if swallowed and enters airways.; H316 - Causes mild skin irritation.; H319 - Causes serious eye irritation.; H336 - May cause drowsiness or dizziness.; H333 - May be harmful if inhaled.</p> <p><b>Precautionary statement(s):</b> If medical advice is needed, have product container or label at hand.; Keep out of reach of children.; Read label before use.; Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.; Use only outdoors or in a well-ventilated area.; Avoid breathing mist/vapours/spray.; Wear protective gloves/protective clothing/eye protection/face protection.; IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.; Do NOT induce vomiting.; In case of fire: Use alcohol resistant foam or normal protein foam to extinguish.; IF INHALED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.; Store in a well-ventilated place. Keep cool. Store locked up.; Dispose of contents/container in accordance with local regulations.; See SDS for full list of P phrases</p>	
Mera Chemicals; 34 Law Court West Sunshine 3020 VIC Australia; +613 9311 4244; 0417 339927; +613 9311 3755; info@merachemicals.com.au		Mera Chemicals; 34 Law Court West Sunshine 3020 VIC Australia; +613 9311 4244; 0417 339927; +613 9311 3755; info@merachemicals.com.au	

## A List of Default Label Templates

Label Template Names	Labels Per-Page Template	Legislative Format
GHS 1 per A4_3 language Portrait	1	GHS format
GHS 1 per A4_Portrait	1	GHS format
GHS 2 per A4_Portrait	2	GHS format
GHS 3 per A4_Portrait	3	GHS format
GHS 4 A4_Protrait	4	GHS format
GHS 14 per A4_Protrait	14	GHS format
GHS small 27 per A4_Portrait	27	GHS format
GHS + Transport 1 per A4_Landscape	1	GHS format
GHS + Transport 2 per A4_Protrait	2	GHS format
non-GHS 2 per A4_Portrait	2	non-GHS format
non-GHS 3 per A4_Portrait	3	non-GHS format
non-GHS 4 per A4_Portrait	4	non-GHS format
non-GHS 14 per A4_Portrait	14	non-GHS format
non-GHS + Transport 1 per A4_Landscape	1	non-GHS format
non-GHS + Transport A3_Portrait	1	Non-GHS format
Emergency_Information_Panel-	1	Default settings

Label Template Names	Labels Per-Page Template	Legislative Format
Diamond_1		
Emergency_Information_Panel-Diamond_2	2	Default settings
Emergency_Information_Panel-Diamond_3	3	Default settings
Transport A4 Landscape	1	Default settings
Transport A4_Portrait	1	Default settings
TREM_Card_English	1	Default settings
NZ 2 per A4_Portrait	2	New Zealand GHS format
NZ 4 per A4_Portrait	4	New Zealand GHS format
NZ + Transport 1 per A4_Landscape	1	New Zealand GHS format
NZ + Transport 2 per A4_Portrait	2	New Zealand GHS format
NZ + Transport A3_Portrait	1	New Zealand GHS format
Canada EN 1 per A4_Portrait	1	Canadian format
Canada FR 1 per A4_Portrait	1	Canadian format
China 500L-1000L_A4 Portrait	1	Chinese format
China_Workplace Label 800x600mm	1	Chinese format
Malaysia GHS 2 per A4_Portrait	2	Malaysia GHS format
Malaysia GHS 3 per A4_Portrait	3	Malaysia GHS format
Malaysia_GHS 125ml or less_14 per A4_Portrait	14	Malaysia GHS format
NFPA small 27 per A4_Portrait	27	Default settings
NFPA small 14 per A4_Portrait	14	Default settings
Conical GHS 1 per A4_Landscape	1	GHS format
Conical GHS 3 per A4_Portrait	3	GHS format
Conical non-GHS 1 per A4_Landscape	1	Non-GHS format
Conical Transport 1 per A4_Landscape	1	Default settings
Avery 2x4 template	8	Avery format
Avery 2x7 template	14	Avery format
Avery 2x8 template	16	Avery format
Avery 3x7 template	21	Avery format
Avery 3x8 template	24	Avery format
Avery 3x10 template	30	Avery format
Avery 3x11 template	33	Avery format
Avery 4x12 template	48	Avery format

Label Template Names	Labels Per-Page Template	Legislative Format
Avery 5x13 template	65	Avery format
Avery 5160-30 labels on 8-5x11 Page with hazard phrases	30	Avery format
Avery 5160-30 labels on 8-5x11 Page	30	Avery format
Labelpower 30x20mm labels on roll		
Labelpower 40x20mm labels on roll		
Note: SDS Settings and Filter conditions effect the data generated on labels		Country, MSDS Format...

## Emergency Report Sample– First Aid

**FIRST AID**

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**INGESTION**

- If swallowed do **NOT** induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice.
- If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

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**EYE CONTACT**

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

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**SKIN CONTACT**

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

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**INHALATION**

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor.

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**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

For acute or short term repeated exposures to acetone:

- Symptoms of acetone exposure approximate ethanol intoxication.
- About 20% is expired by the lungs and the rest is metabolised. Alveolar air half-life is about 4 hours following two hour inhalation at levels near the Exposure Standard; in overdose, saturable metabolism and limited clearance, prolong the elimination half-life to 25-30 hours.
- There are no known antidotes and treatment should involve the usual methods of decontamination followed by supportive care.

[Ellenhorn and Barceloux: Medical Toxicology]



**Management:**  
Measurement of serum and urine acetone concentrations may be useful to monitor the severity of ingestion or inhalation.

**Inhalation Management:**

- Maintain a clear airway, give humidified oxygen and ventilate if necessary.
- If respiratory irritation occurs, assess respiratory function and, if necessary, perform chest X-rays to check for chemical pneumonitis.
- Consider the use of steroids to reduce the inflammatory response.
- Treat pulmonary oedema with PEEP or CPAP ventilation.



## Emergency Report Sample – Fire Fighting

FIRE FIGHTING		
<p>UN No: 1090                      Hazchem Code: *2YE                      DG Class: 3                      Subsidiary Risk: None                      Packing Group: II                      Poisons Schedule: <b>Not Available</b></p>	<p>HEALTH HAZARDS</p> 	<p>FLAMMABILITY</p>  <p>REACTIVITY</p>
<p><b>PROPERTIES</b></p> <p>Liquid.                      Mixes with water.                      Highly flammable.</p>		
<p><b>EMERGENCY</b></p> <p>Keep containers cool.                      Water spray/ fog.                      Foam - alcohol type.                      Spilled liquid has low boiling temperature and evaporates quickly.                      Eliminate ignition sources.                      Consider evacuation.                      Prevent from entering drains.                      Contain spillage by any means.                      Control vapour with water spray/ fog.                      Absorb with dry agent.                      Stop leak if safe to do so.                      Use only in well ventilated areas.                      Take precautionary measures against static discharges.                      Dispose of this material and its container at hazardous or special waste collection point.                      This material and its container must be disposed of in a safe way.                      To clean the floor and all objects contaminated by this material, use water.</p>		
<p><b>EXTINGUISHING MEDIA</b></p> <ul style="list-style-type: none"> <li>• Alcohol stable foam.</li> <li>• Dry chemical powder.</li> <li>• BCF (where regulations permit).</li> <li>• Carbon dioxide.</li> <li>• Water spray or fog - Large fires only.</li> </ul>		
<p><b>FIRE INCOMPATIBILITY</b></p> <ul style="list-style-type: none"> <li>• Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</li> </ul>		
<p><b>FIRE FIGHTING</b></p> <ul style="list-style-type: none"> <li>• Alert Fire Brigade and tell them location and nature of hazard.</li> <li>• May be violently or explosively reactive.</li> <li>• Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>• Prevent, by any means available, spillage from entering drains or water course.</li> <li>• Consider evacuation (or protect in place).</li> </ul>		

## Emergency Report Sample – Spills

### SPILLS AND DISPOSAL

#### MINOR SPILLS

- ▶ Remove all ignition sources.
- ▶ Clean up all spills immediately.
- ▶ Avoid breathing vapours and contact with skin and eyes.
- ▶ Control personal contact with the substance, by using protective equipment.
- ▶ Contain and absorb small quantities with vermiculite or other absorbent material.
- ▶ Wipe up.
- ▶ Collect residues in a flammable waste container.

#### MAJOR SPILLS

Chemical Class: ketones

For release onto land: recommended sorbents listed in order of priority.

SORBENT TYPE	RANK	APPLICATION	COLLECTION	LIMITATIONS
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##### LAND SPILL - SMALL

CROSS-LINKED POLYMER - PARTICULATE	1	SHOVEL	SHOVEL	R, W, SS
cross-linked polymer - pillow	1	throw	pitchfork	R, DGC, RT
sorbent clay - particulate	2	shovel	shovel	R, I, P
wood fiber - pillow	3	throw	pitchfork	R, P, DGC, RT
treated wood fiber - pillow	3	throw	pitchfork	DGC, RT
foamed glass - pillow	4	throw	pitchfork	R, P, DGC, RT

##### LAND SPILL - MEDIUM

CROSS-LINKED POLYMER - PARTICULATE	1	BLOWER	SKIPLOADER	R,W, SS
cross-linked polymer - pillow	2	throw	skiploader	R, DGC, RT
sorbent clay - particulate	3	blower	skiploader	R, I, P
polypropylene - particulate	3	blower	skiploader	R, SS, DGC
expanded mineral - particulate	4	blower	skiploader	R, I, W, P, DGC
polypropylene - mat	4	throw	skiploader	DGC, RT

##### Legend

DGC: Not effective where ground cover is dense  
 R: Not reusable  
 I: Not incinerable  
 P: Effectiveness reduced when rainy  
 RT: Not effective where terrain is rugged  
 SS: Not for use within environmentally sensitive sites  
 W: Effectiveness reduced when windy

## Emergency Report Sample – CHINA

CHINA	
<b>CHINA CODE</b>	
002, 003, 004, 006, 007, 008, 009, 010, 012, 013, 015, 016, 017, 024, 026, 027, 031, 034, 040, 046, 049, 051, 052, 066, 071, 079, 102, 104, 112	
<b>ACTION</b>	
008	Consider evacuation
009	Eliminate ignition sources
010	Stop leak, if safe to do so
012	Contain spillage, by any means
013	Prevent from entering the drains
015	Absorb with dry agent
016	Absorb with earth/sand
017	Avoid contact with skin
024	Control vapour with water spray/fog
026	Keep area and containers cool
027	Ventilate area
071	Wash with water
<b>EFFECTS OF MULTIPLE EXPOSURE</b>	
066	Danger of cumulative effects
<b>EFFECTS WITH WATER</b>	
040	Mixes
<b>EXTINGUISHING MEDIA</b>	
031	Water spray / fog
034	Alcohol resistant foam
<b>HAZARDS</b>	
052	Vapours / Gas heavier than air
<b>PHYSICAL PROPERTIES</b>	
048	Solid
049	Liquid
051	Evaporates quickly
<b>PROTECTIVE CLOTHING</b>	
002	Chemical splash suit
003	Gas-tight chemical resistant suit
004	Breathing apparatus
006	Limit exposure to 1 BA set (30 mins)
007	For protection, seek specialist advice
<b>RISKS</b>	
079	Highly flammable
102	Toxic fumes in fire
104	Vapours may cause suffocation
112	Irritating to eyes

	<b>FLAMMABILITY</b>		
HEALTH HAZARDS			REACTIVITY

## Emergency Report Sample – Advice To Doctor

### ACETONE FIRST AID

#### ADVICE TO DOCTOR – ACETONE

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

For acute or short term repeated exposures to acetone:

- ▶ Symptoms of acetone exposure approximate ethanol intoxication.
- ▶ About 20% is expired by the lungs and the rest is metabolised. Alveolar air half-life is about 4 hours following two hour inhalation at levels near the Exposure Standard; in overdose, saturable metabolism and limited clearance, prolong the elimination half-life to 25-30 hours.
- ▶ There are no known antidotes and treatment should involve the usual methods of decontamination followed by supportive care.

[Ellenhorn and Barceloux: Medical Toxicology]

Management:

Measurement of serum and urine acetone concentrations may be useful to monitor the severity of ingestion or inhalation.

Inhalation Management:

- ▶ Maintain a clear airway, give humidified oxygen and ventilate if necessary.
- ▶ If respiratory irritation occurs, assess respiratory function and, if necessary, perform chest X-rays to check for chemical pneumonitis.
- ▶ Consider the use of steroids to reduce the inflammatory response.
- ▶ Treat pulmonary oedema with PEEP or CPAP ventilation.

Dermal Management:

- ▶ Remove any remaining contaminated clothing, place in double sealed, clear bags, label and store in secure area away from patients and staff.
- ▶ Irrigate with copious amounts of water.
- ▶ An emollient may be required.

Eye Management:

- ▶ Irrigate thoroughly with running water or saline for 15 minutes.
- ▶ Stain with fluorescein and refer to an ophthalmologist if there is any uptake of the stain.

Oral Management:

- ▶ No **GASTRIC LAVAGE OR EMETIC**
- ▶ Encourage oral fluids.

Systemic Management:

- ▶ Monitor blood glucose and arterial pH.
- ▶ Ventilate if respiratory depression occurs.
- ▶ If patient unconscious, monitor renal function.
- ▶ Symptomatic and supportive care.

The Chemical Incident Management Handbook:

Guy's and St. Thomas' Hospital Trust, 2000

BIOLOGICAL EXPOSURE INDEX

These represent the determinants observed in specimens collected from a healthy worker exposed at the Exposure Standard (ES or TLV):

DETERMINANT	SAMPLING TIME	INDEX	COMMENTS
Acetone in urine	End of shift	50 mg/L	NS

NS: Non-specific determinant; also observed after exposure to other material

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## Emergency Report Sample – Environmental

### ENVIRONMENTAL REPORT

#### TOXICITY

For ketones:

Ketones, unless they are alpha, beta-unsaturated ketones, can be considered as narcosis or baseline toxicity compounds

Hydrolysis may also involve the addition of water to ketones to yield ketals under mild acid conditions. However, this addition of water is thermodynamically favorable only for low molecular weight ketones. This addition is an equilibrium reaction that is reversible upon a change of water concentration and the reaction ultimately leads to no permanent change in the structure of the ketone substrate. The higher molecular weight ketones do not form stable ketals. Therefore, the ketones are stable to water under ambient environmental conditions

Another possible reaction of ketones in water involves the enolic hydrogen on the carbons bonded to the carbonyl function. Under conditions of high pH (pH greater than 10), the enolic proton is abstracted by base (OH<sup>-</sup>) forming a carbanion intermediate that may react with other organic substrates (e.g., ketones, esters, aldehydes) containing a center for nucleophilic attack. The reactions, commonly recognized as condensation reactions, produce higher molecular weight products. Under ambient conditions of temperature, pH, and low concentration, these condensation reactions are unfavorable.

Based on its reactions in air, it seems likely that ketones undergo photolysis in water. It is probable that ketones will be biodegraded to an appreciable degree by micro-organisms in soil and water. They are unlikely to bioconcentrate or biomagnify.

for acetone:

log Kow: -0.24

Half-life (hr) air: 312-1896

Half-life (hr) H<sub>2</sub>O surface water: 20

Henry's atm m<sup>3</sup>/mol: 3.67E-05

BOD 5: 0.31-1.76, 46-55%

COD: 1.12-2.07

ThOD: 2.2

BCF: 0.09

#### Environmental fate:

Acetone preferentially locates in the air compartment when released to the environment. A substantial amount of acetone can also be found in water, which is consistent with the high water to air partition coefficient and its small, but detectable, presence in rain water, sea water, and lake water samples. Very little acetone is expected to reside in soil, biota, or suspended solids. This is entirely consistent with the physical and chemical properties of acetone and with measurements showing a low propensity for soil absorption and a high preference for moving through the soil and into the ground water

In air, acetone is lost by photolysis and reaction with photochemically produced hydroxyl radicals; the estimated half-life of these combined processes is about 22 days. The relatively long half-life allows acetone to be transported long distances from its emission source.

Acetone is highly soluble and slightly persistent in water, with a half-life of about 20 hours; it is minimally toxic to aquatic life.

Acetone released to soil volatilises although some may leach into the ground where it rapidly biodegrades.

Acetone does not concentrate in the food chain.

Acetone meets the OECD definition of readily biodegradable which requires that the biological oxygen demand (BOD) is at least 70% of the theoretical oxygen demand (THOD) within the 28-day test period

Drinking Water Standard: none available.

Soil Guidelines: none available.

Air Quality Standards: none available.

#### Ecotoxicity:

Testing shows that acetone exhibits a low order of toxicity

Fish LC50: brook trout 6070 mg/l; fathead minnow 15000 mg/l

Bird L<sub>50</sub> (5 day): Japanese quail, ring-neck pheasant 40,000 mg/l

Daphnia magna LC50 (48 h): 15800 mg/l; NOEC 8500 mg/l

Aquatic invertebrate 2100 - 16700 mg/l

Aquatic plant NOEC: 5400-7500 mg/l

Daphnia magna chronic NOEC 1860 mg/l

Acetone vapors were shown to be relatively toxic to two types insects and their eggs. The time to 50% lethality (LT50) was found to be 51.2 hr and 67.9 hr when the flour beetle (*Tribolium confusum*) and the flour moth (*Ephesia kuehniella*) were exposed to an airborne acetone concentration of 61.5 mg/m<sup>3</sup>. The LT50 values for the eggs were 30-50% lower than for the adult. The direct application of acetone liquid to the body of the insects or surface of the eggs did not, however, cause any mortality.

The ability of acetone to inhibit cell multiplication has been examined in a wide variety of microorganisms. The results have generally indicated mild to minimal toxicity with NOECs greater than 1700 mg/L for exposures lasting from 6 hr to 4 days. Longer exposure periods of 7 to 8 days with bacteria produced mixed results; but overall the data indicate a low degree of toxicity for acetone. The only exception to these findings were the results obtained with the flagellated protozoa (*Entosiphon sulcatum*) which yielded a 3-day NOEC of 28 mg/L.






**DO NOT discharge into sewer or waterways.**

## Emergency Report Sample – PPE

PERSONAL PROTECTION EQUIPMENT REPORT

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**PERSONAL PROTECTION**

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**EYE AND FACE PROTECTION**

- Safety glasses with side shields.
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. [AS/NZS 1336 or national equivalent]

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**SKIN PROTECTION**

See Hand protection below

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**HANDS/FEET PROTECTION**

- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.  
The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:

- frequency and duration of contact,
- chemical resistance of glove material,
- glove thickness and
- dexterity

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

- When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.
- When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.
- Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.
- Contaminated gloves should be replaced.

As defined in ASTM F-739-96 in any application, gloves are rated as:

- Excellent when breakthrough time > 480 min
- Good when breakthrough time > 20 min
- Fair when breakthrough time < 20 min
- Poor when glove material degrades

For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended.

## Emergency Report Sample – SOP

STANDARD OPERATING PROCEDURE

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**EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS**

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

- Process controls which involve changing the way a job activity or process is done to reduce the risk.
- Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.
- Employers may need to use multiple types of controls to prevent employee overexposure.

For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant.

Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

TYPE OF CONTAMINANT:	AIR SPEED:
solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50-100 f/min.)
aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)

Within each range the appropriate value depends on:

LOWER END OF THE RANGE	UPPER END OF THE RANGE
1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood-local control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

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**PRECAUTIONS FOR SAFE HANDLING**

**SAFE HANDLING**

- Containers, even those that have been emptied, may contain explosive vapours.
- Do NOT cut, drill, grind, weld or perform similar operations on or near containers.
- DO NOT allow clothing wet with material to stay in contact with skin**
- Avoid all personal contact, including inhalation.



## Emergency Report Sample – Toxicological

### TOXICOLOGICAL REPORT

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

##### INHALED

Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo.

Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.

Systemic effects of acetone inhalation exposure include central nervous system depression, light-headedness, incoherent speech, ataxia, stupor, hypotension, tachycardia, metabolic acidosis, hyperglycaemia and ketosis. Rarely, convulsions and tubular necrosis may be evident. Other symptoms of exposure may include restlessness, headache, vomiting, low blood-pressure and rapid and irregular pulse, eye and throat irritation, weakness of the legs and dizziness. Inhalation of high concentrations may produce dryness of the mouth and throat, nausea, uncoordinated movement, loss of coordinated speech, drowsiness and, in severe cases, coma. Inhalation of acetone vapours over long periods causes irritation of the respiratory tract, coughing and headache. Rats exposed to 52200 ppm vapour for 1 hour showed clear signs of narcosis; fatalities occurred at 126600 ppm.

Exposure to ketone vapours may produce nose, throat and mucous membrane irritation. High concentrations of vapour may produce central nervous system depression characterised by headache, vertigo, loss of coordination, narcosis and cardiorespiratory failure. Some ketones produce neurological disorders (polyneuropathy) characterised by bilateral symmetrical paresthesia and muscle weakness primarily in the legs and arms.

##### INGESTION

Swallowing of the liquid may cause aspiration of vomit into the lungs with the risk of haemorrhaging, pulmonary oedema, progressing to chemical pneumonitis; serious consequences may result.

Signs and symptoms of chemical (aspiration) pneumonitis may include coughing, gasping, choking, burning of the mouth, difficult breathing, and bluish coloured skin (cyanosis).

Accidental ingestion of the material may be damaging to the health of the individual.

[Large ingestions may produce coma, respiratory depression, and rarely, convulsions.

##### SKIN CONTACT

Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.

Skin contact with the material may damage the health of the individual; systemic effects may result following absorption.

The material may produce mild skin irritation; limited evidence or practical experience suggests, that the material either:

- produces mild inflammation of the skin in a substantial number of individuals following direct contact, and/or
- produces significant, but mild, inflammation when applied to the healthy intact skin of animals (for up to four hours), such inflammation being present twenty-four hours or more after the end of the exposure period.

Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (non allergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis.

Open cuts, abraded or irritated skin should not be exposed to this material

Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

##### EYE

Evidence exists, or practical experience predicts, that the material may cause severe eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Eye contact may cause significant inflammation with pain. Corneal injury may occur; permanent impairment of vision may result unless treatment is prompt and adequate. Repeated or prolonged exposure to irritants may cause inflammation characterised by a temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.

The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration



<b>GUIDE</b> <b>127</b>	<b>FLAMMABLE LIQUIDS</b> <b>(POLAR/WATER-MISCIBLE)</b>	<b>ERG2012</b>
<b>POTENTIAL HAZARDS</b>		
<b>FIRE OR EXPLOSION</b>		
<ul style="list-style-type: none"><li>• <b>HIGHLY FLAMMABLE:</b> Will be easily ignited by heat, sparks or flames.</li><li>• Vapors may form explosive mixtures with air.</li><li>• Vapors may travel to source of ignition and flash back.</li><li>• Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).</li><li>• Vapor explosion hazard indoors, outdoors or in sewers.</li><li>• Those substances designated with a <b>(P)</b> may polymerize explosively when heated or involved in a fire.</li><li>• Runoff to sewer may create fire or explosion hazard.</li><li>• Containers may explode when heated.</li><li>• Many liquids are lighter than water.</li></ul>		
<b>HEALTH</b>		
<ul style="list-style-type: none"><li>• Inhalation or contact with material may irritate or burn skin and eyes.</li><li>• Fire may produce irritating, corrosive and/or toxic gases.</li><li>• Vapors may cause dizziness or suffocation.</li><li>• Runoff from fire control may cause pollution.</li></ul>		
<b>PUBLIC SAFETY</b>		
<ul style="list-style-type: none"><li>• <b>CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.</b></li><li>• As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.</li><li>• Keep unauthorized personnel away.</li><li>• Stay upwind.</li><li>• Keep out of low areas.</li><li>• Ventilate closed spaces before entering.</li></ul>		
<b>PROTECTIVE CLOTHING</b>		
<ul style="list-style-type: none"><li>• Wear positive pressure self-contained breathing apparatus (SCBA).</li><li>• Structural firefighters' protective clothing will only provide limited protection.</li></ul>		
<b>EVACUATION</b>		
<b>Large Spill</b>		
<ul style="list-style-type: none"><li>• Consider initial downwind evacuation for at least 300 meters (1000 feet).</li></ul>		
<b>Fire</b>		
<ul style="list-style-type: none"><li>• If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.</li></ul>		

## Emergency Report Sample – Additional, Monographs



### Integrated Risk Information System (IRIS)

You are here: [EPA Home](#) [Research](#) [Environmental Assessment](#) [IRIS Home](#) [Acetone Quickview \(CASRN 67-64-1\)](#)

## Acetone Quickview (CASRN 67-64-1)

Health assessment information on a chemical substance is included in IRIS only after a comprehensive review of toxicity data by U.S. EPA health scientists from several Program Offices, Regional Offices, and the Office of Research and Development.

**Disclaimer:** This QuickView represents a snapshot of key information. We suggest that you read the [IRIS Summary](#) to put this information into complete context.

For definitions of terms in the IRIS Web site, refer to the [IRIS Glossary](#).

#### Status of Data for Acetone

**File First On-Line:** 03/31/1987; **Last Significant Revision:** 07/31/2003

Category (section)	Status	Last Revised
Oral RfD Assessment	On-line	07/31/2003
Inhalation RfC Assessment	Discussion	07/31/2003
Carcinogenicity Assessment	On-line	07/31/2003

#### Synonyms

- 67-64-1
- Dimethylformaldehyde
- Dimethyl ketone
- Ketone, dimethyl
- beta-Ketopropane
- Methyl ketone
- Propanone
- Pyroacetic acid
- Pyroacetic ether
- UN 1090
- Acetone
- more...

#### Acetone Source Documents

- Acetone Summary
- Toxicological Review of Acetone (PDF) (85 Pages, 1.19 M, about PDF)

#### Revision History

Date	Section	Description
04/01/1997	III., IV., V.	Drinking Water Health Advisories, EPA Regulatory Actions, and Supplementary Data were removed from IRIS on or before April 1997. IRIS users were directed to the appropriate EPA Program Offices for this information.

- See IRIS Summary for complete revision history.

#### Chronic Health Hazard Assessments for Noncarcinogenic Effects

##### Reference Dose for Chronic Oral Exposure (RfD)

Critical Effect	Point of Departure*	UF	RfD
Nephropathy	NOAEL : 900 mg/kg-day	1000	0.9 mg/kg-day

## List of Countries

Filtering  by Country 



Filter list by country;

- Afghanistan
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Argentina
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Belarus
- Belgium
- Bermuda
- Bolivia
- Botswana
- Brazil
- Brunei Darussalam
- Bulgaria
- Canada
- Cape Verde
- Chile
- China
- China (Hong Kong)
- Colombia
- Congo, Republic of
- Costa Rica
- Croatia
- Cuba
- Cyprus
- Czech Republic
- Denmark
- Djibouti
- Dominican Republic
- Ecuador
- Egypt
- El Salvador
- Estonia
- Falkland Islands (Malvinas)
- Faroe Islands
- Fiji
- Finland
- France
- Germany
- Ghana
- Greece
- Guam
- Guatemala
- Haiti
- Honduras
- Hungary
- Iceland
- India
- Indonesia
- Iran
- Iraq
- Ireland
- Italy
- Ivory Coast
- Japan
- Jordan
- Kazakhstan
- Kenya
- Korea (Democratic Republic of)
- Korea (Republic of)
- Kuwait
- Latvia
- Lebanon
- Liberia
- Lichtenstein
- Lithuania
- Luxembourg
- Macedonia
- Madagascar
- Malaysia
- Malta
- Mauritania
- Mauritius
- Mexico
- Monaco
- Mongolia
- Montenegro
- Morocco
- Mozambique
- Myanmar
- Namibia
- Netherlands
- Netherlands Antilles
- New Zealand
- Nicaragua
- Nigeria
- Norway
- Oman
- Pakistan
- Panama
- Papua New Guinea
- Paraguay
- Peru
- Philippines
- Poland
- Portugal
- Puerto Ricco
- Qatar
- Romania
- Russian Federation
- Saudi Arabia
- Senegal
- Serbia
- Serra Leone
- Singapore
- Slovakia
- Slovenia
- South Africa
- Spain
- Sri Lanka
- Suriname
- Swaziland
- Sweden
- Switzerland
- Taiwan
- Tajikistan
- Tanzania
- Thailand
- Trinidad and Tobago
- Turkey
- Turkmenistan
- Uganda
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- United States Minor
- Uruguay
- Vanuatu
- Venezuela
- Vietnam
- Yemen
- Zambia
- Zimbabwe

## Generated Reports using Basic Templates

### Manifest volumes and location GOLD Report

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	CHEMWATCH	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL V	TOTAL VOLUM	MAXIMUM V	MAXIMUM VOLUME	UNIT	PRIMARY CLA	HAZCHEM	GOL	PACKING	GROUP	GOLD	FOLDERS/STORES NAME
2	1090	acetone	acetone	3M	40 L	100 L	100 L	3	2[YE]	II						/ENTERPRISE/MANIFEST/Area/Building/General Storage
3	1090	acetone	acetone	Sigma-Aldrich (Merck)	20 L	100 L	100 L	3	2[YE]	II						/ENTERPRISE/MANIFEST/Area/Building/General Storage
4	5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	50 L	100 L	100 L		Not Applicable	Not Applicable	Not Applicable					/ENTERPRISE/MANIFEST/Area/Building/General Storage
5	8514-41	Imaje A17787, A17788, A17789, A17790	Imaje A17787, A17788, A17789, A17790	Dover Corporation (Markem-Imaje)	0 L	0 L	0 L		Not Applicable	Not Applicable	Not Applicable					/ENTERPRISE/MANIFEST/Area/Building/General Storage
6	1090	acetone	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0 L	20 L	20 L	3	2[YE]	II						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
7	2491886	Ammonium magnesium phosph	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15 L	15 L	15 L									/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
8	5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	0 L	0 L	0 L		Not Applicable	Not Applicable	Not Applicable					/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
9	1114	benzene	Benzene	Alla Ansar (Avocado Research Chemicals, Ltd.)	50 L	50 L	50 L	3	3WE	II						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
10	2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0 L	4 L	4 L	5.1	2PE	II						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
11	1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	0 L	0 L	0 L	6.1	Not Applicable	I						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
12	1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0 L	0 L	0 L	6.1	Not Applicable	I						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
13	1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0 L	0 L	0 L	6.1	Not Applicable	I						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
14	1223	kerosene	Kerosene	Blackwoods	15 L	20 L	20 L	3	3Y	III						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
15	1223	kerosene	Kerosene	Blackwoods	250 L	250 L	250 L	3	3Y	III						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
16	21517	L-Alanine	L-Alanine	MP Biomedicals Australia Pty Limited	35 kg	50 kg	50 kg		Not Applicable	Not Applicable	Not Applicable					/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
17	1090	acetone	Acetone 99.9% anhydrous (max. 0.085% H2O)	Scharlab	50 L	300 L	300 L	3	2[YE]	II						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
18	1006	argon	Argon	BOC (a division of Linde)	20 kg	150 kg	150 kg	2.2	2[T]	Not Applicable						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
19	1114	benzene	Benzene	Alla Ansar (Avocado Research Chemicals, Ltd.)	70 L	350 L	350 L	3	3WE	II						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
20	1223	kerosene	Kerosene	Blackwoods	65 L	250 L	250 L	3	3Y	III						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
21	10000	water	DEMINERALISED WATER	DuluxGroup	80 L	100 L	100 L		Not Applicable	Not Applicable	Not Applicable					/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants

### Assets Report

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	FOLDERS/STORES NAME	CONTAINER CATALOGUE NUMBER	CONTAINER CATALOGUE NAME	CONTAINER NAME	VENDOR	CONTAINER R SIZE	CONTAINER SIZE UNIT	CONTAINER QUANTITY	SARA CONTAINER TYPE	SARA AVERAGE VOLUME	SARA AVERAGE VOLUME UNIT	SARA RELEASE VOLUME	SARA RELEASE VOLUME UNIT	SARA TEMPERATURE	SARA PRESSURE	SARA SOLID FORM	RADIOACTIVE FLAG
2	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Ammonium magnesium phosphate hydrate		Sigma-Aldrich (Merck)	5 L	L	3	Above ground tank	0 lb	lb	0 lb	lb	Ambient	Ambient	None	False
3	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Kerosene		Blackwoods	5 L	L	4	Above ground tank	0 lb	lb	0 lb	lb	Ambient	Ambient	None	False

## Containers Report

FOLDERS/STORES NAME	CONTAINER CATALOGUE NUMBER	CONTAINER CATALOGUE NAME	CONTAINER NAME	VENDOR	CONTAINER SIZE	CONTAINER SIZE UNIT	CONTAINER QUANTITY	CONTAINER STATUS	CONTAINER REGISTRATION STATUS	CONTAINER OWNER	CONTAINER BARCODE	CONTAINER CREATION DATE	CONTAINER EXPIRY DATE
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Ammonium magnesium phosphate hydrate		Sigma-Aldrich (Merck)	5 L	L	1	Normal	Registered	Administrator	000972027	09/19/2016 01:56	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Ammonium magnesium phosphate hydrate		Sigma-Aldrich (Merck)	5 L	L	1	Normal	Registered	Administrator	000972028	09/19/2016 01:56	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Ammonium magnesium phosphate hydrate		Sigma-Aldrich (Merck)	5 L	L	1	Normal	Registered	Administrator	000972029	09/19/2016 01:56	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Kerosene		Blackwoods	5 L	L	1	Normal	Registered	Administrator	000972034	09/19/2016 02:13	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Kerosene		Blackwoods	5 L	L	1	Normal	Registered	Administrator	000972035	09/19/2016 02:13	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Kerosene		Blackwoods	5 L	L	1	Normal	Registered	Administrator	000972036	09/19/2016 02:13	
/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage		Kerosene		Blackwoods	5 L	L	1	Normal	Registered	Administrator	000972037	09/19/2016 02:13	

## Manifest DG report GOLD

UN	MATERIAL NAME	GHS H CODES GOLD	SHIPPING NAME	DG PRIMARY CLA	HAZCHEM GOLD	PACKING GROUP GOLD	FOLDERS/STORES NAME
1090	acetone	AUH066H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
1090	acetone	AUH066H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Ammonium magnesium phosphate hydrate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Artistic Spray #514-486	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Imaje A17787, A17788, A17789, A17790	H319	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Imaje A17787, A17788, A17789, A17790	H319	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	water	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/General Storage
1090	acetone	AUH066H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	Ammonium magnesium phosphate hydrate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	Artistic Spray #514-486	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	ARTISTATIC SPRAY 514-486	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1006	argon	AUH04H280	ARGON, COMPRESSED	2,2	2[T]	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1114	benzene	H225H304H315H319H336H340H3	BENZENE	3	3WE	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
2626	chloric acid	H272H319	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5,1	2PE	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	H224H300H310H330H410	HYDROGEN CYANIDE, STABILISED containing less than 3% water	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	H224H300H310H330H410	HYDROGEN CYANIDE, STABILISED containing less than 3% water	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	H224H300H310H330H410	HYDROGEN CYANIDE, STABILISED containing less than 3% water	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1223	kerosene	H226H304H315H336	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1223	kerosene	H226H304H315H336	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	L-alanine	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
2090	acetone	AUH066H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1006	argon	AUH04H280	ARGON, COMPRESSED	2,2	2[T]	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1114	benzene	H225H304H315H319H336H340H3	BENZENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1223	kerosene	H226H304H315H336	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
Not Applicable	water	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants

## Manifest report VGD

UN	MATERIAL NAME	CATALOGUE NAME	VENDOR	GHS H CODES VGD	SHIPPING NAME	DG PRIMARY CLASS VGD	HAZCHEM VGD	PACKING GROUP VGD	FOLDERS/STORES NAME
1090	acetone	acetone	Sigma-Aldrich (Merck)	H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
1090	acetone	acetone	Sigma-Aldrich (Merck)	H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Artistic Spray #514-486	Artistic Spray #514-486	RS Components	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	Imaje A17787, A17788, A17789, A17790	Imaje A17787, A17788, A17789, A17790	Dover Corporation (Mark	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/General Storage
Not Applicable	water	water	Not Applicable	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/General Storage
1090	acetone	Acetone	Wilmar BioEthanol (Suci AUH066H225H319H336)	ACETONE	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	Ammonium magnesium phosph	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	Artistic Spray #514-486	Artistic Spray #514-486	RS Components	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	ARTISTATIC SPRAY 514-486	ARTISTATIC SPRAY 514-486	RS Components	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1006	argon	argon	Not Applicable	Not Applicable	ARGON, COMPRESSED	2,2	2[T]	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1114	benzene	Benzene	Alfa Aesar (Avocado Res	H225H304H315H319H336	BENZENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	Not Applicable	CHLORIC ACID, AQUEOUS SOLUTI	5,1	2PE	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBS	BOC (a division of Linde)	Not Applicable	HYDROGEN CYANIDE, STABILISE	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	Not Applicable	HYDROGEN CYANIDE, STABILISE	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	Not Applicable	HYDROGEN CYANIDE, STABILISE	6,1	Not Applicable	I	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1223	kerosene	Kerosene	Blackwoods	Not Applicable	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
1223	kerosene	Kerosene	Blackwoods	Not Applicable	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
Not Applicable	L-alanine	L-Alanine	MP Biomedicals Australi	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
2090	acetone	Acetone, 99.98%, anhydrous (max. 0.005%	Scharlab	H225H319H336	ACETONE	3	2[YE]	II	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1006	argon	Argon	BOC (a division of Linde)	Not Applicable	ARGON, COMPRESSED	2,2	2[T]	Not Applicable	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1114	benzene	Benzene	Alfa Aesar (Avocado Res	H225H304H315H319H336	BENZENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
1223	kerosene	Kerosene	Blackwoods	Not Applicable	KEROSENE	3	3Y	III	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
Not Applicable	water	DEMINERALISED WATER	DuluxGroup	Not Applicable	Not Applicable	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants

## Manifest volumes and location VGD Report

A	B	C	D	E	F	G	H	I	J	K	L
CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL VOLUME	TOTAL VOLUME UNIT	MAXIMUM VOLUME	MAXIMUM VOLUME UNIT	DG CLASS VGD	HAZCHEM VGD	PACKING GROUP VGD	FOLDERS/STORES NAME
1	1090	acetone	3M	40	L	100	L	3	2YE	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
3	1090	acetone	Sigma-Aldrich (Merck)	20	L	100	L	3	2YE	II	/ENTERPRISE/MANIFEST/Area/Building/General Storage
4	2491886	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/General Storage
5	5174-42	Antistatic Spray #514-486	RS Components	50	L	100	L	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/General Storage
6	8514-41	Imaje A17787, A17788, A17789, A17790		0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/General Storage
7	8514-41	Imaje A17787, A17788, A17789, A17790		0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/General Storage
8	10000	water	Imaje A17787, A17788, A17789, A Dover Corporation (Markem-Imaje)	0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/General Storage
9	1090	acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0	L	20	L	3	2YE	II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
10	2491886	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15	L	15	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
11	5174-42	Antistatic Spray #514-486	RS Components	0	L	0	L	None	None	None	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
12	5856716	ANTISTATIC SPRAY 514-486		0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
13	1006	argon		0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
14	1114	benzene	Alfa Aesar (Avocado Research Chemicals)	50	L	50	L	3		II	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
15	2626	chloric acid	Sigma-Aldrich (Merck)	0	L	4	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
16	1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)	0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
17	1051	hydrogen cyanide	Sigma-Aldrich (Merck)	0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
18	1051	hydrogen cyanide		0	L	0	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
19	1223	kerosene	Blackwoods	15	L	20	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
20	1223	kerosene		250	L	250	L				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
21	21517	L-alanine	MP Biomedicals Australia Pty Limited	35	kg	50	kg	3			/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
22	1090	acetone	Acetone, 99.8%, anhydrous (max. 0.005% H2O)	50	L	300	L	3		II	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
23	1006	argon	BOC (a division of Linde)	20	kg	150	kg				/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
24	1114	benzene	Alfa Aesar (Avocado Research Chemicals)	70	L	350	L	3		II	/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
25	1223	kerosene	Blackwoods	65	L	250	L				/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
26	10000	water	DEMINEALISED WATER	80	L	100	L				/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
27											

## Materials GOLD Report

A	B	C	D	E
CHEMWATCH NUMBER	MATERIAL NAME	PART NO.S USER GOLD	PREFERRED NAME	GOLD SDS ISSUE DATE (LATEST)
2	1090			
3	1090			
4	1090			
5	1090			
6	2491886			
7	5174-42			14/08/2015
8	5856716			
9	1006			27/06/2017
10	1006			
11	1114			
12	2626			
13	1051			
14	1051			
15	1051	5678		04/12/2017
16	8514-41	Imaje A17787, A17788, A17789, A17790		
17	8514-41	Imaje A17787, A17788, A17789, A17790		04/12/2017
18	1223	1.1.2		30/08/2016
19	1223			
20	21517			
21	10000			27/06/2017
22	10000			
23				

## Materials VGD Report

A	B	C	D	E	F
CHEMWATCH NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	PART NO.S USER VENDOR (ALL)	VENDOR ISSUE DATE
2	1090	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)		16.12.2015
3	1090	Acetone, 99.8%, anhydrous (max. 0.005% H2O)	Scharlab		03.08.2018
4	1090	acetone	3M		21.01.2010
5	1090	acetone	Sigma-Aldrich (Merck)		21.08.2018
6	2491886	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)		13.04.2013
7	5174-42	Antistatic Spray #514-486	RS Components		14.08.2015
8	5856716	ANTISTATIC SPRAY 514-486			
9	1006	argon			
10	1006	argon	Argon		17.08.2000
11	1114	benzene	BOC (a division of Linde)		17.11.2016
12	2626	chloric acid	Alfa Aesar (Avocado Research Chemicals, Ltd.)		13.04.2013
13	1051	hydrogen cyanide	CHLORIC ACID		26.05.2015
14	1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)		23.10.2008
15	1051	hydrogen cyanide	HYDROGEN CYANIDE		
16	8514-41	Imaje A17787, A17788, A17789, A17790			
17	8514-41	Imaje A17787, A17788, A17789, A17790	Dover Corporation (Markem-Imaje)		19.01.2009
18	1223	kerosene	Blackwoods		01.03.2015
19	1223	kerosene			
20	21517	L-alanine	MP Biomedicals Australia Pty Limited		04.01.2016
21	10000	water	DuluxGroup		02.02.2010
22	10000	water			
23					

## Risk Assessment ILO



Risk Assessment ILO Report 11-8-2018.xls [Compatibility Mode] - Excel

A	B	C	D	E	F	G	H	I
MATERIAL NAME	ILO TASK	ILO STATUS	ILO HAZARD RATING	ILO RISK RATING	ILO ASSESSMENT DATE	ILO ASSESSMENT EXPIRED DATE	ILO APPROVED BY	FOLDERS/STORES NAME
1 acetone		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
2 acetone		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
3 Ammonium magnesium phosphate hydrate		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
4 Antistatic Spray #514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
5 Imaje A17787, A17788, A17789, A17790		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
6 water		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
7 acetone	Mixing	Assessment Complete	2	1	09/02/2016 12:03	09/02/2021 00:00	Oconnor	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
8 Ammonium magnesium phosphate hydrate		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
9 Antistatic Spray #514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
10 ANTISTATIC SPRAY 514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
11 argon	No task defined	Assessment Complete	0	0	04/19/2016 00:00	04/19/2021 00:00		/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
12 benzene	No task defined	Assessment Complete	4+	4	10/21/2015 18:01	10/21/2020 00:00		/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
13 chloric acid	General storage	Assessment Complete	1	0	10/25/2016 12:16	10/25/2021 00:00	User2	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
14 hydrogen cyanide	Weighing	Assessment Complete	4	2	09/02/2016 00:00	09/02/2021 00:00	user2	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
15 kerosene	No task defined	Assessment Complete	2	1	04/19/2016 00:00	04/19/2021 00:00		/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
16 L-alanine		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
17 acetone		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
18 argon		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
19 benzene		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
20 hydrogen cyanide		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
21 Imaje A17787, A17788, A17789, A17790		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
22 kerosene		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
23 water		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
24								

### Risk Assessment UN Report

Risk Assessment UN Report 11-9-2018.xls [Compatibility Mode] - Excel

A	B	C	D	E	F	G	H	I
MATERIAL NAME	UN TASK	UN STATUS	UN HAZARD RATING	UN RISK RATING	UN ASSESSMENT DATE	UN ASSESSMENT EXPIRED DA	UN APPROVED BY	FOLDERS/STORES NAME
1 acetone		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
2 Ammonium magnesium phosphate hydrate		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
3 Antistatic Spray #514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
4 Imaje A17787, A17788, A17789, A17790		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
5 water		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/General Storage
6 acetone	Mixing	Assessment Complete	3	4	03/02/2015 00:00	03/02/2020 00:00	Supervisor	/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
7 acetone	Mixing	Assessment Incomplete	3	4				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
8 Ammonium magnesium phosphate hydrate		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
9 Antistatic Spray #514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
10 ANTISTATIC SPRAY 514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
11 ANTISTATIC SPRAY 514-486		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
12 argon		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
13 benzene	Mixing	Assessment Incomplete	3	3				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
14 chloric acid	General st	Assessment Complete	3	0	08/19/2016 00:00	08/19/2021 00:00		/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
15 hydrogen cyanide	Weighing	Assessment Incomplete	4	4				/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
16 kerosene		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
17 L-alanine		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Hazards Storage
18 acetone		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
19 argon		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
20 benzene		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
21 hydrogen cyanide		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
22 Imaje A17787, A17788, A17789, A17790		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
23 kerosene		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
24 water		Assessment Required						/ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants
25								

### Generated Reports using Basic Formatted Style Templates

#### Soft Light Theme for Manifest volumes a locations GOLD

MANIFEST VOLUMES AND LOCATION GOLD REPORT											
Location: /ENTERPRISE/MANIFEST/Area/Building/General Storage											
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD			
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP	
1090	acetone	acetone	3M	40	L	100	L	3	2[Y]E	II	
1090	acetone	acetone	Sigma-Aldrich (Merck)	20	L	100	L	3	2[Y]E	II	
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	0	L	0	L				
5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	50	L	100	L	Not Applicable	Not Applicable	Not Applicable	
Location: /ENTERPRISE/MANIFEST/Area/Building/Hazards Storage											
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD			
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP	
1090	acetone	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0	L	20	L	3	2[Y]E	II	
5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	0	L	0	L	Not Applicable	Not Applicable	Not Applicable	
1006	argon			0	L	0	L	2.2	2[T]	Not Applicable	
1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	50	L	50	L	3	3WE	II	
2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0	L	4	L	5.1	2PE	II	

Grey-Blue RGB Theme for Manifest volumes a locations GOLD

MANIFEST VOLUMES AND LOCATION GOLD REPORT										
Location: /ENTERPRISE/MANIFEST/Area/Building/Hazards Storage										
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD		
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP
1090	acetone	Acetone	Wilmar BioEthanol (Sucrogen BioEthanol)	0	L	20	L	3	2[Y]E	II
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15	L	15	L			
5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	0	L	0	L	Not Applicable	Not Applicable	Not Applicable
5856716	ANTISTATIC SPRAY 514-486			0	L	0	L			
1006	argon			0	L	0	L	2.2	2[T]	Not Applicable
1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	50	L	50	L	3	3WE	II
2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0	L	4	L	5.1	2PE	II
1051	hydrogen cyanide	HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	0	L	0	L	6.1	Not Applicable	I
1051	hydrogen cyanide	HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	0	L	0	L	6.1	Not Applicable	I
1051	hydrogen cyanide			0	L	0	L	6.1	Not Applicable	I
1223	kerosene	Kerosene	Blackwoods	15	L	20	L	3	3Y	III
1223	kerosene			250	L	250	L	3	3Y	III
21517	L-alanine	L-Alanine	MP Biomedicals Australia Pty Limited	35	kg	50	kg	Not Applicable	Not Applicable	Not Applicable

Light Grey-Blue Theme for Manifest volumes a locations GOLD

MANIFEST VOLUMES AND LOCATION GOLD REPORT										
Location: /ENTERPRISE/MANIFEST/Area/Building/General Storage										
CW Number	Material Name	Catalogue Name	Vendor	Total		Maximum		GOLD		
				Volume	Volume Unit	Volume	Volume Unit	DG Primary Class	Hazchem	Packing Group
1090	acetone	acetone	3M	40	L	100	L	3	2[Y]E	II
1090	acetone	acetone	Sigma-Aldrich (Merck)	20	L	100	L	3	2[Y]E	II
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	0	L	0	L			
Location: /ENTERPRISE/MANIFEST/Area/Building/Oils and Lubricants										
CW Number	Material Name	Catalogue Name	Vendor	Total		Maximum		GOLD		
				Volume	Volume Unit	Volume	Volume Unit	DG Primary Class	Hazchem	Packing Group
1090	acetone	Acetone, 99.8%, anhydrous (max. 0.005% H2O)	Scharlab	50	L	300	L	3	2[Y]E	II
1006	argon	Argon	BOC (a division of Linde)	20	kg	150	kg	2.2	2[T]	Not Applicable
1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	70	L	350	L	3	3WE	II
1223	kerosene	Kerosene	Blackwoods	65	L	250	L	3	3Y	III
10000	water	DEMINERALISED WATER	DuluxGroup	80	L	100	L	Not Applicable	Not Applicable	Not Applicable

Grey-Blue Theme for Manifest volumes a locations GOLD

MANIFEST VOLUMES AND LOCATION GOLD REPORT												
Location: /ENTERPRISE/MANIFEST/Area/Building/General Storage												
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD				
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP		
1090	acetone	acetone	3M	40	L	100	L	3	2[Y]E	II		
1090	acetone	acetone	Sigma-Aldrich (Merck)	20	L	100	L	3	2[Y]E	II		
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	0	L	0	L					
5174-42	Antistatic Spray #514-486	Antistatic Spray #514-486	RS Components	50	L	100	L	Not Applicable	Not Applicable	Not Applicable		
Location: /ENTERPRISE/MANIFEST/Area/Building/Hazards Storage												
CW NUMBER	MATERIAL NAME	CATALOGUE NAME	VENDOR	TOTAL		MAXIMUM		GOLD				
				VOLUME	VOLUME UNIT	VOLUME	VOLUME UNIT	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP		
1090	acetone	Acetone	Wilmar BioEthanol (Surogen BioEthanol)	0	L	20	L	3	2[Y]E	II		
2491886	Ammonium magnesium phosphate hydrate	Ammonium magnesium phosphate hydrate	Sigma-Aldrich (Merck)	15	L	15	L					
1006	argon			0	L	0	L	2.2	2[T]	Not Applicable		
1114	benzene	Benzene	Alfa Aesar (Avocado Research Chemicals, Ltd.)	50	L	50	L	3	3WE	II		
2626	chloric acid	Chloric acid	Sigma-Aldrich (Merck)	0	L	4	L	5.1	2PE	II		

Manifest Data Template Style (Edited) Report for Grey-Blue theme

Manifest Data Report-Template 2															
CATALOGUE NAME	VENDOR	VENDOR ISSUE DATE	GHS CLASSIFICATION GOLD	GHS SIGNAL WORD GOLD	SUSMP POISON SCHEDULE GOLD	DG PRIMARY CLASS GOLD	PACKING GROUP GOLD	SHIPPING NAME	UN	CHRONIC HEALTH EFFECTS	SAFESTORAGE REQUIREMENT	FOLDERS/STORES NAME	MAXIMUM VOLUME	TOTAL VOLUME	GHS PICTOGRAM IMAGES GOLD
Antistatic Spray #514-486	RS Components	14.08.2015	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative On the basis of epidemiological data, the material is regarded as	Store in original containers. Keep containers securely sealed.	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	0 L	0 L	Not Applicable
Benzene	Alfa Aesar (Avocado Research Blackwoods	17.11.2016	Aspiration Hazard Category 1 Carcinogenicity	Danger	57	3	II	BENZENE	1114	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative On the basis of epidemiological data, the material is regarded as	Store in original containers in approved flame-	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	50 L	50 L	
Kerosene		01.03.2015	Aspiration Hazard Category 1 Flammable	Danger	55	3	III	KEROSENE	1223	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers in approved	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	20 L	15 L	
			Aspiration Hazard Category 1 Flammable	Danger	55	3	III	KEROSENE	1223	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers in approved	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	250 L	250 L	
Chloric acid	Sigma-Aldrich (Merck)	13.04.2013	Eye Irritation Category 2A (Oxidizing Liquid	Danger	Not Applicable	5.1	II	CHLORIC ACID, AQUEOUS SOLUTION with ACETONE	2626	Limited evidence suggests that repeated or long-term occupational exposure	Store in original containers.	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	4 L	0 L	
Acetone	Wilmar BioEthanol (Surogen	16.12.2015	Eye Irritation Category 2A Flammable Gas under Pressure (Compressed gas)	Danger	55	3	II	ACETONE	1090	Prolonged or repeated skin contact may cause drying with cracking.	Keep containers Store in original containers in approved flame-	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	20 L	0 L	
			Warning	Not Applicable	Not Applicable	2.2	Not Applicable	ARGON, COMPRESSED	1006	Long-term exposure to the product is not thought to produce chronic effects	Cylinders should be stored in a purpose-built	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	0 L	0 L	
HYDROGEN CYANIDE (PRODUCT OBSOLETE)	BOC (a division of Linde)	26.05.2015	Acute Aquatic Hazard Category 1 Acute Toxicity	Danger	57	6.1	I	HYDROGEN CYANIDE, STABILISED	1051	Limited evidence suggests that repeated or long-term occupational exposure	Rotate all stock to prevent ageing.	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	0 L	0 L	
HYDROGEN CYANIDE	Sigma-Aldrich (Merck)	23.10.2008	Acute Aquatic Hazard Category 1 Acute Toxicity	Danger	57	6.1	I	HYDROGEN CYANIDE, STABILISED	1051	Limited evidence suggests that repeated or long-term occupational exposure	Rotate all stock to prevent ageing.	/ENTERPRISE/MANIFEST /Area/Building/Hazard s Storage	0 L	0 L	



## Hazard Classification Grouping (Health Risk Assessments, ILO)

Rating	Hazard Group	EU R-Phrases	GHS Hazard Classification (class/level)
0	None	None	None
1	A	R36, R38, R65, R66 All dusts and vapours not allocated to another band	Acute toxicity (lethality), any route, class 5 Skin irritancy class 2 or 3 Eye irritancy class 2 All dusts and vapours not allocated to another band
2	B	R20/21/22, R40/20/21/22, R33, R67	Acute toxicity (lethality), any route, class 4 Acute toxicity (systemic), any route, class 2
3	C	R23/24/25, R34, R35, R37, R39/23/24/25, R41, R43, R48/20/21/22	Acute toxicity (lethality), any route, class 3 Acute toxicity (systemic), any route, class 1 Corrosivity, subclass 1A, 1B or 1C Eye irritancy class 1 Respiratory system irritancy (GHS criteria to be agreed) Skin sensitisation Repeated exposure toxicity
4	D	R48/23/24/25, R26/27/28, R39/26/27/28, R40 Carcinogen. Cat. 3, R60, R61, R62, R63, R64	Acute toxicity (lethality), any route, class 1 or 2 Carcinogenicity class 2 Repeated exposure toxicity, any route, class 1 Reproductive toxicity class 1 or 2
4+	E	R42, R45, R46, R49, R68	Mutagenicity class 1 or 2 Carcinogenicity class 1 Respiratory sensitisation
	S skin and eye contact	R21, R24, R27, R34, R35, R36, R38, R39/24, R39/27, R40/21, R41, R43, R48/21, R48/24, R66	Acute toxicity (lethality), dermal only, class 1, 2, 3 or 4 Acute toxicity (systemic), dermal only, class 1 or 2 Corrosivity, subclass 1A, 1B or 1C Skin irritation class 2 Eye irritation class 1 or 2 Skin sensitisation Repeated exposure toxicity, dermal only, class 1 or 2







## Dangerous Goods Classification Grouping (UN Risk Assessments)

Hazard Rating	DG Class Grouping Method	Packaging Group (PG)	R codes	Additional Data
0	None	None	None	None
1	None	No PG Group		any of R50 or R51 or R52 or R53
2	2.2 or 3 or 4.1 or 4.2 or 4.3 or 5.1	III or None		and / or R44
3	3 or 4.1 or 4.2 or 4.3 or 5.1	II		
4	2.1 or 2.3 or 3 or 4.1 or 4.2 or 4.3 or 5.1 or 5.2	I		
4+	1.1 or 1.2 or 1.3	Not Applicable (DG Class Overrides PG)		


## GHS Pictogram and DG Diamonds

The nine hazard pictograms represent physical, health and/or environmental hazards. Chronic health hazards include carcinogens, reproductive toxins, mutagens, specific target organ toxicants, and aspiration toxicants. Below is a comparison table between the WHS hazard pictograms and the ADG diamonds.

### Hazard pictograms and ADG










Hazard Pictograms	GHS Hazard	Dangerous Goods class labels (pictograms)	Dangerous goods classes
 Exploding bomb	Explosives Self-reactive Organic peroxides	    	Explosive
 Flame	Flammables Self-reactives Pyrophorics Self-heating Emits flammable gas in contact with water Organic peroxides	       	Flammability (Liquid, Solid or Gas) Pyrophoric, Emits Flammable Gas Organic Peroxide
 Flame over circle	Oxidisers	 	Oxidiser Oxidising gas
 Gas Cylinder	Gases under pressure	    	Non-toxic non-flammable gas, flammable gas, oxidising gas, toxic gas






 Skull and crossbones	Acute toxicity		Acute toxicity Acute Toxic gas
 Exclamation mark	Acute toxicity Skin irritants Eye irritants Skin sensitisers	No equivalent	
 Health hazard	Carcinogens Respiratory sensitisers Reproductive toxicants Target organ toxicants Germ cell mutagens	No equivalent	
 Corrosion	Eye corrosion Skin corrosion Corrosive to metal		Corrosive to metals
 Environment	Aquatic toxicity. Not covered within the scope of workplace hazardous chemicals requirements		Environmental hazard
No equivalent hazard pictogram		Miscellaneous dangerous goods	
Not covered within the scope of workplace hazardous chemicals requirements		Infectious	
















Not covered within the scope of workplace hazardous chemicals requirements		Radioactive
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## Dangerous Goods Classification Descriptions







<b>Dangerous Goods Class 1: Explosives</b>			
DG Diamonds	DG Class	Description	Definition
	Class 1.1 (DGC 1.1)	A substance which is able to exert a mass explosion hazard whereby the entire load is affected.	Explosive substances can form an explosive atmosphere of gas, vapour or dust.  The class also includes substances and articles produced for an explosive or pyrotechnic effect.
	Class 1.2 (DGC 1.2)	A substances or article with a projection hazard but not a mass explosion hazard.	
	Class 1.3 (DGC 1.3)	These substances and articles can produce quantities of radiant heat or burn one another causing either a minor blast or a minor projection hazard or both, but not a mass explosion.	
	Class 1.4 (DGC 1.4)	Small hazards are presented by these substances, in the event of ignition or initiation during transport. Effects are confined to the package; no projection of fragments of appreciable size or range is expected. External fire should not cause instantaneous explosion of the total load.	
	Class 1.5 (DGC 1.5)	Extremely explosive and sensitive substances able to induce a mass explosion hazard.	
	Class 1.6 (DGC 1.6)	This class contains extremely insensitive detonating substances that demonstrate a negligible probability of exploding.	

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <b>Dangerous Goods Class 2: Gases</b> </div> <div style="display: flex; gap: 10px;">       </div> </div>			
DG Diamonds	DG Class	Description	Definition
  	<p>Class 2.1</p> <p>Flammable Gases</p> <p>(DGC 2.1)</p>	<p>Flammable gases are gases that can ignite in air if the flammable/vapour concentration lies within certain limits. These limits are identified as the upper and lower flammable or explosive limits. The flammable range is the flammable vapour/air concentration, which falls between these limits. The flammable or explosive limits are expressed as the percentage of a particular vapour in air. The vapour/air density is usually greater than one, therefore many flammable gases will settle in low areas.</p> <p>Examples: propane, butane, ethylene, acetylene and Liquid Petroleum Gas.</p>	<p>Exhibit a vapour pressure greater than 300kPa at 50 degrees Celsius.</p> <p>Completely gaseous at 20 degrees at Standard Temperature and Pressure (STP).</p> <p>Subdivision during transport is required and it is determined by the primary hazard of the gas.</p>
  	<p>Class 2.2</p> <p>Non Flammable</p> <p>Non Toxic Gases</p> <p>(DGC 2.2)</p>	<p>Class 2.2 gases are not flammable when exposed to an ignition source, nor are they toxic. Non-flammable and non-toxic gases are asphyxiants, diluting or replacing the oxygen content in the atmosphere.</p>	
	<p>Class 2.3</p> <p>Toxic Gases</p> <p>(DGC 2.3)</p>	<p>Class 2.3 gases are very toxic or corrosive to humans, so they may pose a health hazard.</p> <p>Inhalation may cause death or seriously damage human health.</p> <p>Lingering and irritating odours often identify some but not all toxic gases.</p> <p>Breathing apparatus must also be provided in areas where toxic gases are stored or transported.</p> <p>Examples include: ammonia and sulphur dioxide.</p>	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <b>Dangerous Goods Class 3: Flammable Liquid</b> </div> <div style="display: flex; gap: 10px;">   </div> </div>			
DG Diamonds	DG Class	Description	Definition

	<p>Class 3 Flammable Liquid (DGC 3)</p>	<p><b>Class 3 is divided into Packing groups as follows:</b></p> <p><b>Class 3 Packing Group I</b> Boiling Point <math>\leq 35^{\circ}\text{C}</math>.</p> <p><b>Class 3 Packing Group II</b> Flash Point <math>\leq 23^{\circ}\text{C}</math>, Boiling Point <math>&gt; 35^{\circ}\text{C}</math>.</p> <p><b>Class 3 Packing Group III</b> Flash Point <math>&gt; 23^{\circ}\text{C}</math> to <math>\leq 61^{\circ}\text{C}</math>, Boiling Point <math>&gt; 35^{\circ}\text{C}</math>.</p> <p><b>Combustible Liquids</b> are less flammable (higher flash point), but when stored in very large quantity or with other flammable liquids, they pose an increased hazard.</p> <p>Examples include acetone, benzene, petrol</p>	<p>Liquids that can generate a vapour, forming a flammable mixture with air.</p> <p>The <u>flash point</u> is the lowest temperature at which a liquid generates vapour which will remain alight when a flame is applied.</p>
<p><b>Dangerous Goods Class 4: Flammable Solids</b></p>			
DG Diamonds	DG Class	Description	Definition
	<p>Class 4.1 Flammable Solids (DGC 4.1)</p>	<p>Combust readily in the presence of external ignition sources like sparks and flames.</p> <p>Examples: red phosphorus, picric acid, hexamine, sulphur and naphthalene</p>	<p>Solid substances which are flammable in air and can sustain spontaneous combustion and emit flammable gases upon contact with water.</p>
	<p>Class 4.2 Substances liable to spontaneous combustion (DGC 4.2)</p>	<p>Class 4.2 solids are able to heat up and catch fire spontaneously without any influence from external ignition sources.</p> <p>Examples: Activated Carbon and White Phosphorus</p>	<p>Ability to; spontaneously combust</p>
	<p>Class 4.3 Substances in contact with water emit flammable gases (DGC 4.3)</p>	<p>Spontaneous ignition may occur as heat is liberated when the substance is in contact with water, producing flammable gases in dangerous quantities.</p> <p>Examples: sodium and calcium carbide.</p>	<p>Ability to; spontaneously ignite when in contact with water.</p>


<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <b>Dangerous Goods Class 5: Oxidizing Agents</b> </div> <div style="text-align: center;">     </div> </div>			
DG Diamonds	DG Class	Description	Definition
	<b>Class 5.1 Oxidizing Substances</b>  (DGC 5.1)	Oxygen is generally provided in a reactive form or is liberated to cause an oxidation process. High reactivity may lead to explosion or fire if in contact with combustible materials.  Examples: Hydrogen peroxide and ammonium nitrate.	Contribute to the combustion of other materials.
 	<b>Class 5.2 Organic Peroxides</b>  (DGC 5.2)	Substances with the ability to undergo exothermic self-accelerating decomposition as the substance contains its own oxygen in the chemical structure. Decomposition of organic peroxides can lead to flammable and toxic gases being generated. Many organic peroxides also burn rapidly and are very sensitive to impact or friction. Examples: dibenzoyl peroxide and methyl ethyl ketone peroxide.	Thermally unstable substances.
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <b>Dangerous Goods Class 6: Toxic and Infectious Substances</b> </div> <div style="text-align: center;">   </div> </div>			
DG Diamonds	DG Class	Description	Definition
	<b>Class 6.1 Toxic Substances</b>  (DGC 6.1)	These substances have the common nature of being able to cause death or serious injury if inhaled or in contact with the skin.  Examples: Calcium cyanide and lead arsenate.	Cause death or serious injury and are also classified as hazardous chemicals.
	<b>Class 6.2 Infectious Substances</b>  (DGC 6.2)	They are incorporated in the Australian Dangerous Goods Code if they are capable of spreading disease upon exposure.  Stringent clothing and personal protective equipment controls are required when handling or in contact with these substances.	Substances containing disease yielding organisms and are not subject to the regulations of the Australian Dangerous Goods Code.
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <b>Dangerous Goods Class 7: Radioactive Substances</b> </div> <div style="text-align: center;">      </div> </div>			







	<p>Class 7 Radioactive Substances  (DGC 7)</p>	<p>This class includes materials or combinations of these that can emit radiation spontaneously.  Example: Uranium</p>	<p>Spontaneous radiation due to the radioactive nature of the substance.</p>
<p><b>Dangerous Goods Class 8: Corrosive Substances</b></p>			
<p>DG Diamonds</p>	<p>DG Class</p>	<p>Description</p>	<p>Definition</p>
	<p>Class 8 Corrosive Substances  (DGC 8)</p>	<p>Substances that may cause severe burns by chemical action when in contact with living tissue.  Examples: Hydrochloric acid, nitric acid and sulfuric acid.</p>	<p>Ability to;  damage or destroy goods and materials or cause other hazards.</p>
<p><b>Dangerous Goods Class 9: Miscellaneous Dangerous Goods</b></p>			
<p>DG Diamonds</p>	<p>DG Class</p>	<p>Description</p>	<p>Definition</p>
	<p>Class 9 Miscellaneous (DGC 9)</p>	<p>Class 9 substances have separate storage and transport requirements.  Examples: dry ice and asbestos. Aerosols are no longer Class 9 dangerous goods. They are Class 2.1 or 2.2 (gases) depending on flammability.</p>	<p>Substances and articles that present a danger especially during transport, not covered by other dangerous goods classes</p>
	<p>Subsidiary Class</p>	<p>There may also be referred to as the Secondary risk or Subrisk. The subsidiary risk label is represented as the normal label with the number deleted.</p>	<p>Subsidiary risk categories are assigned to dangerous goods that pose more than the risk that is denoted by their class.</p>

## Manifest Hazards Filters and Descriptions

MANIFEST MODE



**Manifest Hazards Filter**

Filter your inventory records by;

- Hazard All
- Dangerous Goods All
- SARA (US reporting)
- Incompatibility Report
- Poison Schedule (Australia)
- REACH Uses (EU reporting)
- Health Surveillance
- Biological Monitoring
- Phase Out
- US DHS Chemicals
- Japan PRTR Law

Filter your inventory records by;

- Hazards- Specific, e.g., Carcinogens
- Dangerous Goods-Specific, e.g., Flammables
- Hazards-Health
- Hazards-Physical
- Hazard-Environment
- Chemicals of Concern-LoC (US reporting)
- Exceeding Manifest Limits
- NFPA
- IFC
- Pending Data Extraction
- Tags

And many more...

The system’s manifest hazards filter defaults to “No Hazards Filter”, which means that the manifest list is displayed as per the available hazard classification of the materials based on the availability of Chemwatch Gold SDS and/or Vendor Gold Data extracted for those respective products.

### Background Information about the Manifest and Classification Data

The manifest module in the system automatically calculates the risk codes and hazard codes classification. The risk or hazard column displays the respective risk/hazard statements using classification codes. The Manifest Hazards Filters enable users to filter materials located in folders to find any chemicals that fall under the selected filter. The following table provides summary descriptions of the available filters from the system’s Manifest Hazards Filter menu shown below.

### What is a “hazardous chemical”?

Hazard chemicals are those that, following worker exposure, can have an adverse effect on health and the environment. Examples of hazardous chemicals include poisons, toxins, chemicals that cause burns or skin and eye irritation and those may cause cancer. Many hazardous chemicals are also classified as dangerous goods.

## Hazards Filter Descriptions

Main Filter	Description
No Hazards Filter	Default is set to “No Hazards Filter”
<b>Hazards-All filters all classified hazardous chemicals. Note that materials that do not have a Gold SDS will not be filtered out unless data extraction is conducted for that specific material.</b>	
Carcinogens	Filter for any chemical that is classified as a hazardous chemical that can cause cancer due to ability to damage the genome or disruption of cellular metabolic processes.
Mutagens	Filter for any chemical agent that changes the genetic material of an organism and increases the frequency of mutations above natural level.
Sensitisers	Filter for any chemical that causes allergic reaction in normal tissue after exposure.
Corrosives	Filter for any chemical that will destroy and damage living tissue and other substances during contact. Corrosive substances cause chemical burns on contact.
Peroxide Formers	Filter for materials that are susceptible to peroxide formation, which are ones that typically react with air, moisture or impurities and produce a change in their chemical composition in normal storage. Certain organic solvents are susceptible to peroxide formation and can form potentially explosive peroxides over time. Peroxide forming chemicals are divided into three classes: Class A: Chemicals that form explosive levels of peroxides without concentration. These are the most hazardous and can form explosive peroxide levels even if not opened. Class B: Chemicals that form explosive levels of peroxides when concentrated through distillation, evaporation or exposure to air after opening. Class C: Chemicals which are a hazard due to peroxide initiation of polymerization.
Reprotoxins	Filter for any hazardous substance associated with interference of the sexual reproductive system, fertility in adults and offspring.
Embryotoxins	Filter for any toxic chemical with adverse effects on the embryo.

Main Filter	Description
	When this substance enters the maternal system and crosses the placental barrier; the effects of the substance may be expressed as embryonic death or abnormal development of one or more body systems and can be deleterious to maternal health.
Neurotoxins	Filter for any class of exogenous chemical neurological insult (cause of physical or mental injury) which can adversely affect bodily function and the nervous tissue.
Cardiotoxins	Filter for any chemical that may induce cardiac failure. Cardiotoxicity is the occurrence of heart electrophysiology or muscle damage. When the heart is affected by cardiotoxins, it becomes weaker and inefficient in pumping blood and hence affects blood circulation such as heavy metals or incorrectly administered drugs.
Liver Toxins	Filter for any chemical that may cause injury to the liver, which may manifest as abnormal liver enzyme or be the cause of liver failure.
Kidney Toxins	Filter for any chemical that bare poisonous toxic effect on kidneys (also known as nephrotoxicity). This sort of chemicals may include specific drugs used for medication purposes
Cytotoxins	Filter for any chemical that has the quality of being toxic to cells. Cytotoxins are chemical weapons that Killer T-cells use to destroy infected cells. For example, cytotoxic drugs are hazardous substances (refer to COSHH Regulations) and widely used in healthcare settings. Cytotoxic drugs also known as antineoplastics, describe a group of medicines that contain chemicals which are toxic to cells, preventing their replication or growth and are used in cancer treatment, rheumatoid arthritis and multiple sclerosis. Certain activities may result in exposure through skin contact/absorption, inhalation of aerosols, ingestion, etc. Pregnant workers are at risk as some drugs may be harmful to the unborn child. Some examples of Hazardous cytotoxic antineoplastics are; azacitidine, azathioprine, bendamustine, lomustine, ifosfamide, bleomycin.
Hazard-Health	Filter by any chemical that is classified as a health hazard. These types of chemicals will affect human health such as carcinogens, etc.
Hazard-Environment	Filter by any chemical that is classified as an environmental hazard. These types of chemicals will affect the environment
Hazard-Physical	Filter by any chemical that is classified as a physical hazard. These types of chemicals are considered to flammable to some degree, etc.
Dangerous Goods-All	Filter by any chemical that is classified as a dangerous good. Dangerous goods are substances, mixtures or articles that, because of their physical, chemical (physico-chemical) or acute toxicity properties, present an immediate hazard/danger to people, property or the environment.
<b>Dangerous Goods Specific</b>	
Corrosives	<b>Filter for a chemical that is classified to destroy or damage living tissue by direct contact. Some acids, bases, dehydrating agents, oxidizing agents, and organics are corrosives.</b>  Concentrated acids can cause painful burns that are often superficial. Inorganic hydroxides, however, can cause serious damage to skin tissues because a protective protein layer does not form. Even a dilute solution such as sodium or potassium hydroxide can saponify fat and attack skin. At first, skin contact with phenol may not be painful, but the exposed area may turn white due to the severe burn. Systemic poisoning may also result from dermal exposure
Explosive Flammables	<b>Filter for a hazard chemical, dangerous good classified as explosive flammable.</b>


Main Filter	Description
	These are hazardous chemicals that may cause an explosion by heating, severe projection, explosion, a blast or fire or may mass explode in fire. Explosive substances can form an explosive atmosphere of gas, vapour or dust. This class also includes substances and articles produced for an explosive or pyrotechnic effect. Flammable chemicals are classified according to flashpoint, boiling point, ignition temperature. Flashpoint (FP) is the lowest temperature at which a flammable liquid gives off sufficient vapour to ignite. Boiling point (BP) is the temperature at which the vapour pressure of a liquid is equal to the atmospheric pressure under which the liquid vaporizes. Flammable liquids with low BP's generally present special fire hazards. The FP's and BP's of certain chemicals are closely linked to their ignition temperature — the lowest temperature at which a chemical will ignite and burn independently of its heat source.
Miscellaneous	Filter for substances and articles that present a danger especially during transport, not covered by other dangerous goods classes other than DG Class9.
Oxidisers	<b>Filter for dangerous materials which act as an oxidizing agent.</b> A substance that is not necessarily combustible, but may, generally by yielding oxygen, cause or contribute to the combustion of other material. By this definition some materials that are classified as oxidising agents by analytical chemists but are not classified as oxidising agents in a dangerous materials sense.
Toxic/Harmful	<b>Filter for dangerous materials that are classified as toxic/harmful.</b> Toxic materials have a specific degree of damage and have adverse effects on a substructure of an organism exposed to these types of substances. Chemical toxicants include inorganic substances such as lead, mercury, hydrofluoric acid, and chlorine gas, and organic compounds such as methyl alcohol, most medications, and poisons from living things. Radioactive chemicals are not poisonous because of their chemical nature, but because radiations emitted by nuclei are highly energetic, and destroy cells and tissues, but radioactive toxicity should not be comprehended in chemical toxicity.
Radioactive	Filter for any substance classified as a radioactive, e.g. plutonium, uranium. These types of substances emit radiation upon decay. Radioactive decay random at single atom levels and difficult to predict when an atom will decay even though the decay rate or activity is characterized by constant quantities; its half-life, decay constant, mean time. The genetic and biological effects of radiation include cancer.
Water-Reactive	Filter for any chemical that undergoes spontaneous reaction when in contact with water molecules, notably alkali metals from sodium through cesium. Some water reactive substances are also considered to be pyrophoric (substances that ignite in contact with air at or below 54.55°C (130.19° C). Alkali metals are usually stored in containers with oil to protect the metal as a barrier to prevent a reaction between water and these metals.
None-Hazardous	Filter for any substance classified as non-hazardous.
None -Dangerous	Filter for any substance classified as non-dangerous.
Reducing Agents	Filter for any substance or compound that is a reducer or reductant. A reducer is an electron donor and notably, strong reducing agents easily lose or donate electrons in redox reactions (reduction-oxidation); and are subsequently oxidized. Examples of reducing agents include the earth metals, formic acid, and sulfite compounds.
Chemicals of concern-DHS	Filter for chemicals of concern based on the United States Department of Homeland Security list of chemicals covered under the EPA program, Chemicals Weapons Convention, hazardous materials such as gases poisonous by inhalation and explosives regulated by Department of Transport.

Main Filter	Description
Chemicals of concern-LoC	Filter for chemicals of concern by Level of Concern (LoC), which is based on a threshold value of a hazard (toxicity, flammability, thermal radiation or over exposure) – US Department of Commerce: Office of Response and Restoration
Health Surveillance Filter	Filter for chemicals requiring health surveillance as part of an integrated approach to the control of hazardous substances, where; exposure poses significant risk to health.
Biological Monitoring	Filter for chemicals requiring biological exposure monitoring. Biological exposure monitoring is the measuring and evaluation of the chemical or its metabolites in body tissues, body fluids (urine, blood) or exhaled breath.
SARA (Superfund Amendments and Reauthorization Act of 1986).	<p>Filter a list of all chemicals and hazardous substances (United States SARA Reporting) required according to the threshold quantities, including: Common name, Chemical Abstract Services (CAS) number, Physical state, Physical and/or Health Hazards – these are divided into five categories. Physical hazards are Fire, Sudden Release of Pressure and Reactivity. Health hazards are Immediate (Acute) or Delayed (Chronic). This act amended the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), commonly known as Superfund.</p> <p>Inventory Information – this includes the maximum daily amount, the average daily amount and the number of days on site.</p> <p>Storage Information – this includes container type, pressure, temperature, specific information on storage amounts and locations.</p> <p>Certification – The owner or operator or the officially designed representative of the owner or operator must certify that all information included in the Tier II submission is true, accurate and complete. See more at: emergency Planning and Community Right to Know Act</p> <p><a href="http://www2.epa.gov/epcra-tier-i-and-tier-ii-reporting">http://www2.epa.gov/epcra-tier-i-and-tier-ii-reporting</a></p> <p>US Environmental Protection Agency Tier Reporting by State</p> <p><a href="http://www2.epa.gov/epcra/state-tier-ii-reporting-requirements-and-procedures">http://www2.epa.gov/epcra/state-tier-ii-reporting-requirements-and-procedures</a></p>
Phase-out	<p><b>Filter for any “Phase-out” materials.</b></p> <p>These materials are products that contain ingredients in the manifest that have been marked as phase out. The phase-out menu option is available in “Own” inventory and its subject to pure substances that are marked in the Chemwatch database with respect to Annex XIV substances and those that are manually marked by user through the mouse click context menu. Annex XIV substances are those substances that are marked by default as they appear in the List of Substances subject to Authorization in accordance with the European Regulation (EC) No 1907/2006.</p>
COMAH	<p><b>Filter for products that are listed in the COMAH database.</b></p> <p>COMAH products are those substances that contain at least one ingredient from the "<a href="#">UK The Control of Major Accident Hazards Regulations (COMAH)</a> - Dangerous Substances and Threshold Quantities") with respect to the calculation of ingredient amount in mixture/product.</p>
VOC	(The Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management was enacted in 1999 for the purposes of promoting an improvement of voluntary management of chemical substances by business operators and preventing any impediment to the preservation of the environment).



Main Filter	Description
	Filter for ingredients that are classed as “Volatile Organic Compounds”. Notably. VOC products are derived from boiling point threshold and if there’s no boiling point or a range. Consideration is prioritized to lowest value in the boiling point range if product has a boiling point.
<b>Japan PRTR Law</b>	<p>Filter for substances classified as Class 1 or Class 2 based on the disclosure percentage (%) of ingredients within a mixture as per the <a href="#">Japan PRTR</a> requirements. If there are products in the Manifest that do not have volumes assigned to them, then the system will provide the relevant message.</p> <p><b>Class I Substances</b></p> <p>Designated Chemical Substances are chemical substances that may harm human health, may pose a risk of interfering with the inhabitation and/or growth of flora and fauna, and may deplete the ozone layer, and that are considered to be persistent over a substantially extensive area in the environment considered from the physical and chemical properties, the amount manufactured, imported, and used. Substances are designated in Article 1 of the Order for Enforcement of the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof, based on Paragraph (2) of Article 2 of the same Act.</p> <p><b>Class II Substances</b></p> <p>Designated Chemical Substances are chemical substances that may have the same requirements as the Class I Designated Chemical Substances considering the increases in amounts manufactured, imported, or used. Substances are designated in Article 2 of the Order for Enforcement of the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof, based on Paragraph (3) of Article 2 of the same Act.</p>
<b>Health Surveillance Report</b>	Report for Filter for chemicals requiring health surveillance as part of an integrated approach to the control of hazardous substances where exposure poses significant risk to health.

Main Filter	Description
<b>Incompatibility Report</b>	<p>Filter by this type of report to compare compatibility of dangerous goods in an Area\Section\Location. The report provides DG classes' compatibility or segregation required as per the materials in a location in your Manifest.</p> <p><b>Notes for consideration</b></p> <p>In most cases materials of the same class will be compatible. However, not all materials with different UN Numbers will always be compatible. The SDS should be checked.</p> <p>In many cases the goods will be compatible. Must check for subsidiary risk compatibility and the SDS.</p> <p>If one of the goods present is also a fire risk substance (one of class 2.1, 3, 4, 5, a combustible liquid or has a subsidiary risk of one of these) or elevated temperature goods, segregation is required by at least 3 m or more. Sub-risk MUST be considered. Other exceptions apply. Check the SDS.</p> <p>Not all class 5.1 goods are compatible as follows: Ammonium nitrate is not compatible with tetranitromethane, dichloroisocyanuric acid, any bromate, chlorate, chlorite, hypochlorite, or chloroisocyanurate, or any inorganic nitrate. Calcium hypochlorite (and its mixtures) is incompatible with dichloroisocyanuric acid, ammonium nitrate, or any chloroisocyanurate.</p> <p>Organic peroxides are highly reactive materials. Please check the SDS to ensure compatibility.</p> <p>Where one of the goods to be stored together is a concentrated strong acid and the other a concentrated strong alkali, they should be deemed incompatible.</p> <p>Class 4.3 goods must not be stored next to goods that are in a solution containing water, or where water or foam is the chosen firefighting/spill/leak dispersal or suppression media for the storage area.</p> <p>Note: Except where the class 6.1 is cyanide and the class 8 an acid. Check the SDS</p>
<b>REACH Uses</b> (Registration, Evaluation, Authorisation and Restriction of Chemicals in the European Union)	<p><b>Filter by REACH Uses.</b></p> <p><a href="#">REACH</a> is the regulation of the European Union, which was adopted to improve the protection of human health and the environment from potential risks by the chemical. REACH applies to all chemical substances used in industry and daily activities, chemicals such as cleaning products, paints, articles – clothes, furniture, electrical appliances and many more. For more background information understanding REACH, visit the page by clicking <a href="#">here</a>. The Manifest module, when in folder view mode, contains a “No Hazard Filter” button in the Manifest Toolbar, which by default shows button - No Hazard Filter. REACH will also force the use of substances to be phased out, especially toxic substances in products other than those ingested.</p>
<b>Major Hazard Facility</b>	<p>Filter by Major Hazard Facility rules for materials stored in large quantities, which are vital for Australian regulators when checking for compliance requirements, especially in prevention of major accidents and near misses, minimize the hazardous effects to the PCBU, people and the surrounding environment.</p>
<b>Pending Data Extraction</b>	<p><b>Filter by for materials that have pending data extraction.</b></p> <p>These are materials that are not designated with a VGD (Vendor Gold Data) icon in the materials list and have not yet been full extracted for classification data.</p>
<b>Tags</b>	<p><b>Filter by Tags</b></p> <p>Tags filter is solely depended on already created tags and mapped against a criterion to tag materials based on user requirements.</p>



Main Filter	Description
Manifest Quantity Report	The Chemwatch Manifest Quantity Report will simplify the process of monitoring your inventory and enhance the notification process for our Australian clients while maintaining compliance with the requirements of Schedule 12 by taking into consideration the quantities of hazardous chemicals and their notification thresholds specified in Schedule 11 of the <a href="#">WHS Regulations</a> .
International Fire Code	<a href="#">International Fire Code (IFC)</a> Chemwatch has developed an “ <b>International Fire Code Filter Functionality</b> ” for storage indoor inventory; which can filter chemicals for <b>Health Hazard Indoor</b> and <b>Physical Hazard Indoor</b> . Materials in the Chemwatch Database are classified and grouped by hazard classes (where applicable) and physical states. The IFC grid (table) will display one row per hazard class and each hazard class contains a sub-grid with respective list of volume/weight data per material (chemical or substance) located in that particular IFC folder or location within the manifest folder tree structure based on the site map. It is also imperative to note that depending on your jurisdiction, federal or local regulations may also apply.
National Fire Emergency	<a href="#">National Fire Emergency (NFPA)</a> This filter functionality has been developed using the 2018 version of the NFPA 1 Code, which contains the summary requirements from 45 other NFPA codes. Permits Amounts, Hazardous Material Classification and Maximum Allowable Quantities (MAQ) and Specific Occupancy restraint are embedded in the filter. It will help your organisation meet the requirements for; <ul style="list-style-type: none"> <li>• Hazardous materials classification for <b>Physical</b> and <b>Health</b> hazards</li> <li>• Identification of not permitted Hazard Materials for each specific occupancy</li> <li>• Detailed inventory of the physical and health classes per location</li> <li>• Hazardous materials storage limits not exceeding the Maximum Allowable Quantities (MAQ)</li> </ul>
Pending Data Extraction	This filter enables users to filter all the materials in the Manifest folder/location that do not have Chemwatch Classification or user defined classification (DET). These are the materials that have a question mark icon  in the hazard column.
Placarding Report	This filter provides a report on all the hazardous chemicals that meet the Placarding Quantity Threshold (WHS, Australia).
Manifest Quantity Report	This filter provides a report on all the hazardous chemicals that meet the Manifest Quantity Threshold (WHS, Australia).
DG Summary Report	This filter provides a summary report (graphical) on all the hazardous chemicals that meet the criteria for Unregulated Quantity, Placarding Quantity and Manifest Quantity Thresholds (WHS, Australia) based on current and maximum volume/weight.

## Approvals Form Fields Descriptions (Risk Assessments)

Field	Name	Description and Use
<b>Code</b>	Type a code (can be alpha-numeric)	Attributed to an existing job based on risk assessment task (optional) and may be related to a project or work activity
<b>Job name</b>	Type text (can be alpha-numeric) for the job	Any relevant job name for the task, may be attributed to safe operating procedure or standard operating procedure or project or work activity
<b>Assessed By</b>	Name of the assessor	The (full) name of the person conducting the risk assessment
<b>Signature</b>	Assessor's signature	Applicable to users who have been granted privilege and permission to upload a soft signature file to a risk assessment report
<b>Approved By</b>	Approver's signature	Applicable to users permitted to approve a risk assessment and are granted the rights to upload a soft signature file to a risk assessment report
<b>Persons Exposed</b>	Names of persons involved with the work activity	The (full) names of the persons involved some form or fashion with the risk assessment or somewhat exposed to allowable levels
<b>Operating Procedure</b>	Operating procedure	Type the text or insert a link on the respective operating procedure. <i>An operating procedure is what guides users on work activity requirements to comply with expected outputs of the tasks carried out to ensure health safety of the risk assessor and people at the workplace including the environmental impact</i>
<b>Added</b>	Added on (dd/mm/yy)	Set a risk assessment date (dd/mm/yy) using the calendar icon 
<b>Review</b>	Review date (dd/mm/yy)	Set a risk assessment review date (dd/mm/yy) using the calendar icon  . Generally, an SDS is due for review every 5 years upon manufacture of the chemical.

# A Guide to Classification (Wall Chart Graphics)

### RISK PHRASES (PHYSICAL) \*

R1 / ELP001 Explosive when dry	R2 / ELP002 Risk of explosion by shock, friction, fire or other source of ignition	R3 / ELP003 Extreme risk of explosion by shock, friction, fire or other source of ignition	R4 / ELP004 Forms very sensitive explosive metallic compounds	R5 / H240 Heating may cause an explosion	R6 / ELP006 Explosive with or without contact with air	R7 / H242 May cause fire
R8 / H270 Contact with combustible material may cause fire	R9 / H271 Explosive when mixed with combustible material	R10 / H228 Flammable	R11 / H225 Highly flammable	R12 / H224 Extremely flammable	R13 / ELP013 Extremely flammable - liquefied gas	R14 / ELP014 Reacts violently with water
R15 / ELP015 Contact with water liberates extremely flammable gases	R16 / ELP016 Explosive when mixed with oxidizing substances	R17 / H250 Spontaneously flammable in air	R18 / ELP018 In use, may form inflammable explosive vapour air mixture	R19 / ELP019 May form explosive peroxides		

### TARGET ORGANS \*

Gastro	Respiratory	Lymphatic	Bone	Cardio
Blood	Nervous	Skin	Teeth	Kidneys
Liver	Endocrine	Biochemical	Vascular	

### IN CASE OF FIRE \*

Fire extinguisher wet chemical	Fire extinguisher carbon dioxide	Fire extinguisher foam	Fire extinguisher powder	Fire extinguisher vapourising liquid	Fire extinguisher water
Evacuate	Clear with water spray	Extinguish with water spray	Extinguish with water steam	Keep hose nearby	In case of fire, call fire brigade

### RISK PHRASES (HEALTH) \*

R20 / H332 Harmful by inhalation	R21 / H312 Harmful if contact with skin	R22 / H330 Harmful if swallowed	R23 / H331 Toxic by inhalation	R24 / H311 Toxic in contact with skin	R25 / H331 Toxic if swallowed	R26 / H330 Very toxic by inhalation
R27 / H310 Very toxic in contact with skin	R28 / H330 Very toxic if swallowed	R33 / H373 Change of cumulative effects	R34 / H314 Causes burns	R35 / H314 Causes severe burns	R36 / H310 Irritating to eyes	R37 / H335 Irritating to respiratory system
R38 / H315 Irritating to skin	R39 / H341 Danger of very serious irreversible effects	R40 / H361 Limited evidence of a carcinogenic effect	R41 / H310 Risk of serious damage to the eyes	R42 / H334 May cause sensitisation by inhalation	R43 / H337 May cause sensitisation by skin contact	R45 / H350 May cause cancer
R46 / H340 May cause heritable genetic damage	R47 / ELP047 May cause birth defects	R48 / ELP048 Danger of serious damage to health by prolonged exposure	R49 / H350 May cause cancer by inhalation	R50 / H400 Very toxic to aquatic organisms	R51 / H401 Toxic to aquatic organisms	R52 / H402 Harmful to aquatic organisms
R53 / H413 May cause long-term adverse effects in the aquatic environment	R54 / ELP054 Toxic to flora	R55 / ELP055 Toxic to fauna	R56 / ELP056 Toxic to soil organisms	R57 / ELP057 Toxic to base	R58 / ELP058 May cause long-term adverse effects in the environment	R59 / ELP059 Dangerous to the ozone layer
R60 / H302 May impair fertility	R61 / H302 May cause harm to the unborn child	R62 / H301 Risk of impaired fertility	R63 / H301 Possible risk of harm to the unborn child	R64 / H360 May cause harm to breastfed babies	R66 / ELP066 Repeated exposure may cause skin dryness or cracking	R67 / H338 Vapours may cause drowsiness and dizziness

### PROPERTIES \*

Liquid	Solid	Gas	Mixes with water	Floats on water
Sinks in water	Does not mix with water			

### CONTROLS

Gloves	Overalls	Boots	Face Protection	Ventilation
Goggles	Goggles	Respirator	Air Supplied Respirator	Dust Mask

### HAZARDS

Harmful / Irritant	Biohazard	Flammable / Extremely Flammable	Toxic / Very Toxic	Corrosive
Environmental	Explosive	Oxidizing	Radioactive	

### GHS

Toxic	Harmful / Irritant	Health hazard	Explosive	Gas
Corrosive	Flammable	Oxidizer	Environmental	

### FIRST AID \*

Induce vomiting	Get to hospital	Eye wash	Wash hands	Wash body	Bed
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### STORAGE \*

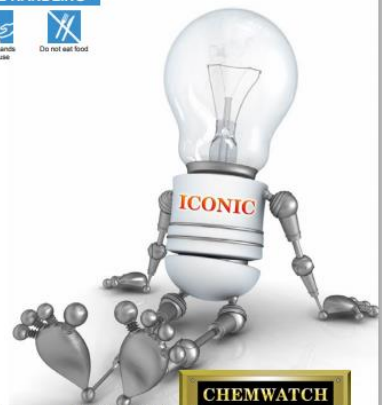
Do not store in cold conditions	Do not store in cold conditions	Do not store in hot conditions	Do not stack	Keep locked up
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### ENGINEERING CONTROLS


Turn on Ceiling Fan	Turn on Box Fan	Spark Proof Fan	No Sparks	Open Window
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### SAFE HANDLING \*

Wash hands after use	Do not eat food
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www.chemwatch.net info@chemwatch.net



## Risk Assessment Report Components



### Risk Assessment Report Data

Title	Description	Title	Description
<a href="#">Header</a>	Displays the type of risk assessment report; Health or Dangerous Goods	<a href="#">Person Potentially at Risk</a>	Displays the statement for special monitoring required or specialist advice
<a href="#">Chemical Name</a>	Shows the chemical name or product name	<a href="#">GHS Graphics</a>	Shows the GHS graphics as per the classification of the chemical
<a href="#">Risk Band</a>	Displays the risk conclusion of the assessment; 0-4+	<a href="#">Risk Assessment Parameters</a>	Displays the risk assessment parameters; operating temperature, volatility, scale of use, frequency of use
<a href="#">Physical Properties</a>	Physical State of the chemical	<a href="#">Approvals Job Fields</a>	Fields will contain information on job name, signatures (assessor and approver), number of persons exposed, operating procedure statement/summary or link, job code
<a href="#">Ingredient(s)</a>	Ingredients composition, OEL	<a href="#">Assessment Date</a>	The date (dd/mm/yyyy) on which the risk assessment was completed
<a href="#">Chemwatch Hazard Ratings</a>	Flammability, toxicity, body contact, reactivity, chronic ratings (low, medium, high, extreme)	<a href="#">Re-Assessment Date</a>	The date (dd/mm/yyyy) on which the risk assessment is due for reassessment/review
<a href="#">Personal Protective Equipment</a>	Shows the selected PPE graphics		
<a href="#">Emergency</a>	Displays the emergency graphics		
<a href="#">Hazard Statement(s)</a>	List the hazard statements as per the classification of the chemical		
<a href="#">Health Hazards</a>	Shows the health hazards graphics and first aid graphics		

## Risk Assessment Guidance Sheets


Click on each "SheetID" link from the table below to open the Toolkit Sheet series document for reference.

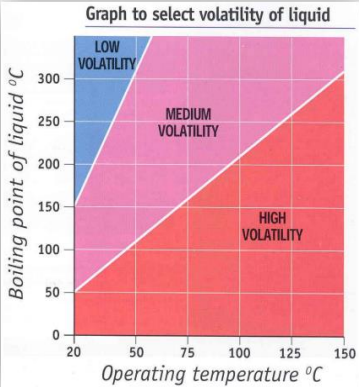
Sheet ID	Description
<b>Pesticides</b>	
<a href="#">P100</a>	Concentrate dilution
<a href="#">P101</a>	Application (spraying and dusting)
<a href="#">P102</a>	Fumigation
<a href="#">P103</a>	Using poison baits
<a href="#">P104</a>	Disposing of used containers
<b>Control Approach 1</b>	
<a href="#">100</a>	General principles
<a href="#">101</a>	Sack, bottle and drum storage
<a href="#">102</a>	Bulk storage
<a href="#">103</a>	Removing waste from air cleaning unit
<b>Control Approach 2</b>	
<a href="#">200</a>	General principles

Sheet ID	Description
<a href="#">201</a>	Ventilated workbench or cupboard
<a href="#">202</a>	Ventilated booth
<a href="#">203</a>	Removing waste from air cleaning unit
<a href="#">204</a>	Conveyor transfer
<a href="#">205</a>	Sack filling
<a href="#">206</a>	Sack emptying
<a href="#">207</a>	Charging reactor or mixer from sack or keg
<a href="#">208</a>	IBC filling and emptying
<a href="#">209</a>	Drum filling
<a href="#">210</a>	Drum emptying with a drum pump
<a href="#">211</a>	Weighing solids
<a href="#">212</a>	Mixing liquids with liquids or solids
<a href="#">213</a>	Mixing solids
<a href="#">214</a>	Sieving
<a href="#">215</a>	Screening
<a href="#">216</a>	Spray painting
<a href="#">217</a>	Pickling / Plating bath
<a href="#">218</a>	Vapour degreasing bath
<a href="#">219</a>	Tray drying oven
<a href="#">220</a>	Pelletising
<a href="#">221</a>	Tablet press
<b>Control Approach 3</b>	
<a href="#">300</a>	General principles
<a href="#">301</a>	Glove box
<a href="#">302</a>	Removing waste from extraction unit
<a href="#">303</a>	Transferring solids
<a href="#">304</a>	High throughput sack emptying
<a href="#">305</a>	Drum filling
<a href="#">306</a>	Drum emptying
<a href="#">307</a>	IBC filling and emptying (solids)
<a href="#">308</a>	IBC filling and emptying (liquids)
<a href="#">309</a>	Tanker filling and emptying (solids)

Sheet ID	Description
<a href="#">310</a>	Tanker filling and emptying (liquids)
<a href="#">311</a>	Keg filling
<a href="#">312</a>	Transferring liquid by pump
<a href="#">313</a>	Filling small containers (packets and bottles)
<a href="#">314</a>	Weighing solids using a load cell
<a href="#">315</a>	Weighing liquids using a load cell
<a href="#">316</a>	Mixing solids
<a href="#">317</a>	Mixing liquids with liquids or solids
<a href="#">318</a>	Vapour degreasing bath
<b>Control Approach 4</b>	
<a href="#">400</a>	General principles
<b>Skin and eye contact</b>	
<a href="#">Sk100</a>	How to reduce skin contact with hazardous substances
<b>Respiratory protection equipment</b>	
<a href="#">R100</a>	Selection and use of respiratory protective equipment
<b>Safety issues</b>	
<a href="#">S100</a>	Key features of Lock-out/tag-out system
<b>Environment issues</b>	
<a href="#">E100</a>	Control of emissions to air
<a href="#">E200</a>	Control of emissions to water
<a href="#">E300</a>	Safe disposal of solid waste

## Risk Assessment Parameters

Parameter	Components	Description																								
<b>Operating Temperature</b>	Temperature Gauge or Needle Selector	<ul style="list-style-type: none"> <li>Affects volatility for liquids and may also affect solids.</li> <li>Drag the temperature bar node to the desired temperature within the minimum and maximum temperature range.</li> <li>Volatility of the chemical determined at a particular temperature, for example, if lead melts at 327.5°C, hence, will be treated as a liquid.</li> </ul>																								
<b>Scale of Use</b>	Quantity or Amount of Material (chemical in use) <ul style="list-style-type: none"> <li>Small</li> <li>Medium</li> <li>Large</li> </ul>	The amount of material or quantity of chemical being used determines how the chemical is handled and how much exposure is presented. The table below will assist to determine the material quantity using the standard metric units of measure. <table border="1" data-bbox="639 696 1418 1003"> <thead> <tr> <th rowspan="2">Quantity</th> <th colspan="2">Solid</th> <th colspan="2">Liquid</th> </tr> <tr> <th>Weight</th> <th>Received in</th> <th>Volume</th> <th>Received in</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td>grams</td> <td>packets or bottles</td> <td>milliliters</td> <td>bottles</td> </tr> <tr> <td>Medium</td> <td>kilograms</td> <td>kegs or drums</td> <td>liters</td> <td>drums</td> </tr> <tr> <td>Large</td> <td>tonnes</td> <td>bulk</td> <td>cubic meters</td> <td>bulk</td> </tr> </tbody> </table>	Quantity	Solid		Liquid		Weight	Received in	Volume	Received in	Small	grams	packets or bottles	milliliters	bottles	Medium	kilograms	kegs or drums	liters	drums	Large	tonnes	bulk	cubic meters	bulk
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Large	tonnes	bulk	cubic meters	bulk																						
<b>Volatility or Dustiness</b>	Ability of chemical to become airborne <ul style="list-style-type: none"> <li>Low</li> <li>Medium</li> <li>High</li> </ul>	<ul style="list-style-type: none"> <li>Low level calm state of the chemical, unlikely to be breathed in or eye/skin contact;</li> <li>Medium level chemical evaporating at a medium rate, if classified as hazardous, likelihood of inhalation, moderate level of exposure;</li> <li>High level chemical considered to be airborne and will affect respiratory system, eyes, skin, etc.</li> </ul>																								
What does Volatility/Dustiness mean  <u>Keywords:</u> Operating temperature, health monitoring, chemicals of concerns, carcinogens, extremely hazardous substance/chemical, dangerous good, scale of use, frequency of use, granules, pellets, solids for dustiness, liquids for airborne, level of risk, type of exposure, engineering controls, administrative controls, PPE, equipment and biological monitoring.	Volatility is a property of a chemical that is in a liquid state. In this risk assessment scheme, we use the dustiness for solids and volatility for liquids to subscribe relevancy to the operating temperature. The more volatile or dustier the substance, the higher the probability to become airborne. <ul style="list-style-type: none"> <li>To mitigate these sorts of risks, it is recommended to replace fine powder with pellets or less dusty granules.</li> <li>To use liquids at a lower temperature.</li> </ul> The Dustiness of SOLIDS is classified as LOW, MEDIUM or HIGH. <table border="1" data-bbox="639 1637 1418 2013"> <thead> <tr> <th>Level of Dustiness</th> <th>Description of type of solid</th> </tr> </thead> <tbody> <tr> <td>Low</td> <td>Pellets like solids that do not break. Little dust seen during a task of use of this type of solid, e.g., pvc pellet</td> </tr> <tr> <td>Medium</td> <td>Crystalline, granular solids. Dust is visible when used or applied in a task, but settles quicker. Usually dust is seen on surface after use, e.g. soap powder</td> </tr> <tr> <td>High</td> <td>Fine, light powders. Forms visible dust clouds and remain in the air for several minutes, e.g. cement, carbon black, chalk</td> </tr> </tbody> </table>	Level of Dustiness	Description of type of solid	Low	Pellets like solids that do not break. Little dust seen during a task of use of this type of solid, e.g., pvc pellet	Medium	Crystalline, granular solids. Dust is visible when used or applied in a task, but settles quicker. Usually dust is seen on surface after use, e.g. soap powder	High	Fine, light powders. Forms visible dust clouds and remain in the air for several minutes, e.g. cement, carbon black, chalk																	
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Parameter	Components	Description								
<b>Volatility Graph for a Liquid</b>		<p>The Volatility of LIQUIDS is classified as; HIGH, MEDIUM or LOW. The volatility of a liquid is determined by its Boiling Point (BP). This type of data is available in the actual Material Safety Data Sheet (MSDS), usually inscribed in section 9 of the MSDS.</p>								
		<table border="1"> <thead> <tr> <th>Level of Volatility</th> <th>Boiling Point of Liquid, °C</th> </tr> </thead> <tbody> <tr> <td>High</td> <td>Boiling point below 50°C [BP &lt; 50°C]</td> </tr> <tr> <td>Medium</td> <td>Boiling point between 50°C and 150°C [BP range {50°C - 150°C}]</td> </tr> <tr> <td>Low</td> <td>Boiling point above 150°C [BP &gt; 150°C]</td> </tr> </tbody> </table> <p>For tasks carried out above room temperature, in addition to the boiling point you will need to know the process temperature. These two pieces of information are used to decide volatility from the graph. Note that by default, volatility/dustiness is calculated in the system for each material based on this analogy.</p>	Level of Volatility	Boiling Point of Liquid, °C	High	Boiling point below 50°C [BP < 50°C]	Medium	Boiling point between 50°C and 150°C [BP range {50°C - 150°C}]	Low	Boiling point above 150°C [BP > 150°C]
Level of Volatility	Boiling Point of Liquid, °C									
High	Boiling point below 50°C [BP < 50°C]									
Medium	Boiling point between 50°C and 150°C [BP range {50°C - 150°C}]									
Low	Boiling point above 150°C [BP > 150°C]									





## DG Class Segregation Categories

<b>DGC Segregation Class</b>	There are 5 Segregation (S) classes utilized (S1, S2, S3, S4, S5). See summary below.
<b>Segregation Class</b>	Segregation Guidance Notes
<b>S1</b>	Segregate these goods by 3m or more in a well-ventilated area. For liquid dangerous goods the distance is measured from the edge of the spill catchment area. See supplementary notes 6 and 7.
<b>S2</b>	Segregate by 5 m or more. If one of the dangerous goods is a liquid, measure the distance from the edge of the spill catchment area. Liquid dangerous goods should be located within a separate spill catchment area. See supplementary notes 6 and 7.
<b>S3</b>	Segregate by 3 m or more for PG III goods and 5m or more for PG II, PG I goods or where the goods may react dangerously. If both are solids then a minimum of 1m separation may be used. Where one of the goods is a liquid the distance is measured from the edge of the spill catchment area. See supplementary notes 6 and 7.
<b>S4</b>	Segregation preferred by the use of fire-rated partitioned areas. Consider use of separate detached building for organic peroxides and for highly pyrophoric class 4.2 goods.
<b>S5</b>	Segregation of class 4.3 preferred by use of a separate, detached building without water based fire suppression system.

### Supplementary Notes: Compatibility considerations

- 1. Class 2 dangerous goods** (i.e. gases) are generally not recommended to be stored with any *other* class of dangerous goods particularly flammable dangerous goods due to the risk of flame impingement and over pressurization of cylinders. Corrosive goods can cause corrosion damage to the gas cylinder walls and thus should be kept away from class 2. In a fire situation, gas cylinders need to have copious quantities of water applied to keep them cool. Toxic gases are stored away from other gases to minimize the release of toxic gases in a fire with other gases.
- 2. Class 6.1 dangerous goods** are not recommended to be stored with fire risk goods or gas cylinders. In the event of a fire, the toxic material will be liberated and may be spread more effectively due to the heat of the fire or explosion of gas cylinders.
- 3.** Two or more goods within the same class with incompatible subsidiary risk should be kept apart.
- 4.** The packing group (PG) of dangerous goods denotes the magnitude of danger the material poses from its hazard. PG I is most dangerous. PG II these are more dangerous than PG III. If one of the incompatible materials is a PG I or II dangerous goods it is recommended that a greater segregation distance or other means of segregation is employed.
- 5. If class 4.3 dangerous goods** are stored or handled care needs to be taken to segregate these away from all containers of aqueous (water containing) solutions even if the solutions are not dangerous goods. The areas these materials are stored in must not be serviced by a water based fire suppression system.
- 6.** If one of the incompatible goods is a liquid OR a solid that is likely to melt from the heat of a fire, separate spill catchment systems or means of separating the incompatible goods must be considered. Solid dangerous goods should not be stored in direct contact with floor surface to avoid contact with liquids.
- 7.** Fire rated walls constructed of appropriate impervious, chemically resistant materials may be used if provided with an FRL of 240/240/240. Timber structures are not appropriate barriers.
- 8.** In the case of incompatible gases in cylinders intended for use in welding (such as acetylene and oxygen), these gases may be stored together in a purpose built cradle and separated when not in use for extended periods of time.
- 9. For oxidizing agents:** Although only dangerous goods and combustible liquids feature in the compatibility chart care must also be taken to segregate oxidizers from those dangerous goods and other materials that are combustible in nature (e.g. polymeric beads, cotton bales, excess packing materials). Chlorine and some other halogens are considered potent oxidizers even though their class and assigned with any oxidizing agent subsidiary risk under the dangerous goods classification system.

## Query Builder Search Options

The table below provides summary descriptions of the search options for creating a query using the query builder mode.

Search Option	Description	Use (Search by)						
<b>Cat or Material Name</b>	Name of Material or Catalog Name	Create a query by using the Name of the Material or Catalog Name.						
<b>Vendor</b>	Search for material using Vendor	Create a query by using the Vendor name to look for materials or products produced by that particular vendor name (Manufacturer, Supplier).						
<b>CW No</b>	Chemwatch Number	Chemwatch numbers are assigned to all materials registered in the Chemwatch database for both pure and non-pure substances. Create a query to look up for materials by a specific CW No.						
<b>CAS No</b>	Chemical Abstract Substance Number	Create a query by using the CAS No to look up for specific materials associated with that a particular CAS No.  The CAS No is a unique numeric identifier in the CAS REGISTRY designated to a known substance. Click the link below for reference. <a href="http://www.cas.org/content/chemical-substances/faqs">http://www.cas.org/content/chemical-substances/faqs</a>						
<b>DG Class</b>	Dangerous Goods Class	Create a query by using the DG Class to look up for materials that are classified as dangerous goods for the particular DG Class of interest.  DG Classes 1 to 9 are listed to choose the primary class field. Refer for more in the link. <a href="http://www.unece.org/trans/danger/danger.html">http://www.unece.org/trans/danger/danger.html</a>						
<b>Packing Group field (PKG)</b>	Packing Group as per DG classification	Create a query by using the Packing Group option to look up for dangerous goods associated with that particular packing group (level of danger). The table below shows a list of packing group by level of danger for reference.  <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">Greater danger</td> </tr> <tr> <td style="text-align: center;">II</td> <td style="text-align: center;">Medium danger</td> </tr> <tr> <td style="text-align: center;">III</td> <td style="text-align: center;">Minor danger</td> </tr> </tbody> </table> Find more about dangerous goods from UNECE <a href="#">here</a> .	I	Greater danger	II	Medium danger	III	Minor danger
I	Greater danger							
II	Medium danger							
III	Minor danger							
<b>R-Code</b>	Risk Code	Create a query by using the R-Code from the system of hazard classification codes. Risk code is a hazard classification used to classify a substance (old system of classification).  Click the Chemwatch link " <a href="#">download classification guide</a> ".  <i>For EU, more regulatory related information can be found <a href="#">here</a>.</i>						
<b>H-Code</b>	Hazard Code (GHS)	Create a query by using the H-Code from the system of hazard						

Search Option	Description	Use (Search by)
		<p>classification codes based on GHS.</p> <p><i>For EU, more regulatory related information can be found <a href="#">here</a>.</i></p> <p><i>For Australia, more information can be found <a href="#">here</a>.</i></p> <p><i>For USA, more information can be found <a href="#">here</a>.</i></p>
<b>Sub Risk</b>	Sub Risk	Create a query by dangerous good Sub Risk as per the DG classification (Transport).
<b>UN No</b>	United Nations Number	<p>Create a query by using a UN No. A UN No is a four digit identity number that identifies a hazardous substance in the international transport framework.</p> <p><a href="https://www.unece.org/trans/danger/publi/unrec/rev19/19files_e.html">https://www.unece.org/trans/danger/publi/unrec/rev19/19files_e.html</a></p>
<b>EINECS</b>	EINECS number used in European countries	<p><a href="#">European Inventory of Existing Commercial Chemical Substances</a>. These are substances considered phase-in substances under the REACH Regulation.</p> <p>Create a query by using the EINECS number option.</p>
<b>User Part No,</b>	User dependent Part Number,	Create a query to search by User Part number assigned to a product by a user.
<b>Vendor Part No</b>	Vendor Part Number	Create a query to search by Vendor Part number assigned to a product.
<b>Poison Schedule</b>	Classification of Medicines and Poisons in Australia	<p>Poison schedule number between 1 and 10 to find available materials scheduled as medicines and poisons in the database.</p> <p>Create a query by using a Poison Schedule number to look up for materials classified by <a href="#">SUSMP</a>.</p>
<b>Form Builder</b>	Form created through the Form Builder method	<p>Create a query based on a FORM created using the Form Builder module. Choose the form name from an existing list of forms and assign the applicable form data point to look for materials associated with the form fields.</p> <p>Refer to section 12 of this guide on how to create a form.</p>
<b>My Reach Uses</b>	REACH Regulations Use Descriptions	Create a query based on My REACH Use description to look up for associated materials. Download the reference guide <a href="#">here</a> on REACH Use Descriptors.
<b>Vendor Reach Uses Codes</b>	REACH Regulations Use Descriptions	Create a query based on a Vendor (Manufacturer) REACH Use description to look up for associated materials. Download the reference guide <a href="#">here</a> on REACH Use Descriptors.
<b>My Reach Uses Advised Against</b>	REACH Regulations Use Descriptions	Create a query based on My REACH Use Advised Against to look up for associated materials. Download the reference guide <a href="#">here</a> on REACH Use Descriptors.

Search Option	Description	Use (Search by)
<b>Vendor Reach Uses Advised Against</b>	REACH Regulations Use Descriptions	Create a query based on a Vendor (Manufacturer) REACH Use Advised Against to look up for associated materials. Download the reference guide <a href="#">here</a> on REACH Use Descriptors.
<b>Regulatory List</b>	List of National or International Regulations for Chemicals	Create a query based on a specific Regulatory List to identify chemical or substances that fall under that specific regulatory list.
<b>Chemical Family</b>	Chemical family general names based on grouping similar chemical properties	Create a query to look up for materials that are categorized in the same chemical family based on chemical properties. Refer to the IUPAC chart in the appendix for the names of element families per group. In order to assign the name of the chemical family, simply type the chemical name in the text field and the system will display a drop-down list of associated chemical names through a word wheel.
<b>Sunset Date</b>	Feature to mark Phase Out Substances	Create a query to assign sunset date to mark Phase Out Substances as described in the REACH Authorization process.
<b>eSDS</b>	Chemwatch Extended SDS	Create a query to identify materials that have a Chemwatch Extended SDS (eSDS). These types of SDS communicate to the downstream users about the REACH Exposure Scenarios (ES) or condition of safe use in the supply chain and substances that are hazardous and manufactured/imported.

## NFPA Diamonds



### NFPA Diamonds and Colour Coding

The four divisions are typically color-coded, with blue indicating level of health hazard, red indicating, flammability, yellow (chemical) reactivity, and white containing special codes for unique hazards. Each of health, flammability and reactivity is rated on a scale from 0 (no hazard) to 4 (severe risk). For more information, visit <http://www.nfpa.org/>.

Section 2 of Gold SDS will depict the applicable NFPA diamond where applicable. Note that, the SDS Settings panel will have to be checked/checked for this diamond or graphic to show in the SDS.


Health (Blue)		Flammability (Red)	
0	Poses no health hazard, no precautions necessary and would offer no hazard beyond that of ordinary combustible materials (e.g., <a href="#">water</a> )	0	Materials that will not burn under typical fire conditions (e.g., <a href="#">carbon dioxide</a> ), including intrinsically noncombustible materials such as concrete, stone and sand. (Materials that will not burn in air when exposed to a temperature of 816°C (1500°F) for a period of 5 minutes.)
1	Exposure would cause irritation with only minor residual injury (e.g., <a href="#">acetone</a> )	1	Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur (e.g., <a href="#">mineral oil</a> ). Includes some finely divided suspended solids that do not require heating before ignition can occur. (Flash point at or above 93.4°C (200°F))
2	Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g., <a href="#">diethyl ether</a> )	2	Must be moderately heated or exposed to relatively high ambient temperature before ignition can occur (e.g., <a href="#">diesel fuel</a> ) and some finely divided suspended solids that do not require heating before ignition can occur. Flash point between 38°C (100°F) and 93°C (200°F)
3	Short exposure could cause serious temporary or moderate residual injury (e.g., <a href="#">chlorine</a> )	3	Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions (e.g., <a href="#">gasoline</a> ). Liquids having a flash point below 23°C (73°F) and having a boiling point at or above 38°C (100°F) or having a flash point between 23°C (73°F) and 38°C (100°F)
4	Very short exposure could cause death or major residual	4	Will rapidly or completely vaporize at normal

	injury (e.g., <a href="#">hydrogen cyanide</a> , <a href="#">phosphine</a> , <a href="#">carbon monoxide</a> , <a href="#">sarin</a> )		atmospheric pressure and temperature, or is readily dispersed in air and will burn readily (e.g., <a href="#">acetylene</a> , <a href="#">diethylzinc</a> ). Includes <a href="#">pyrophoric</a> substances. <a href="#">Flash point</a> below 23°C (73°F)
	<b>Special (White)</b>		<b>Instability/Reactivity (Yellow)</b>
	<i>The white "special notice" area can contain several symbols. The following symbols are defined by the NFPA 704 standard.</i>		
<b>OX</b>	<a href="#">Oxidizer</a> (e.g., <a href="#">potassium perchlorate</a> , <a href="#">ammonium nitrate</a> , <a href="#">hydrogen peroxide</a> )	<b>0</b>	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. <a href="#">helium</a> )
<b>W</b>	Reacts with <a href="#">water</a> in an unusual or dangerous manner (e.g., <a href="#">cesium</a> , <a href="#">sodium</a> , <a href="#">sulfuric acid</a> )	<b>1</b>	Normally stable, but can become unstable at elevated temperatures and pressures (e.g. <a href="#">propene</a> )
<b>SA</b>	Simple <a href="#">asphyxiant gas</a> . Specifically limited to the following gases: <a href="#">nitrogen</a> , <a href="#">helium</a> , <a href="#">neon</a> , <a href="#">argon</a> , <a href="#">krypton</a> and <a href="#">xenon</a> . <sup>[2]</sup>	<b>2</b>	Undergoes violent chemical change at elevated temperatures and pressures, reacts violently with water, or may form explosive mixtures with water (e.g., <a href="#">white phosphorus</a> , <a href="#">potassium</a> , <a href="#">sodium</a> )
		<b>3</b>	Capable of detonation or explosive decomposition but requires a strong initiating source, must be heated under confinement before initiation, reacts explosively with water, or will detonate if severely shocked (e.g. <a href="#">ammonium nitrate</a> , <a href="#">chlorine trifluoride</a> )
		<b>4</b>	Readily capable of <a href="#">detonation</a> or <a href="#">explosive decomposition</a> at normal temperatures and pressures (e.g., <a href="#">nitroglycerin</a> , <a href="#">chlorine azide</a> , <a href="#">chlorine dioxide</a> )



## IUPAC Chart for the Names of Element Families

In chemistry, a family is a group of elements with similar chemical properties. Chemical families are commonly associated with the columns on the period table. For more detailed information, click [here](#)

to download the pdf . The chart below shows the IUPAC number of element group chemical family name and trivial name.

IUPAC Group	1	2	3	4	5	6	7	8	9	10	11	12	13
Family	lithium	beryllium	scandium	titanium	vanadium	chromium	manganese	iron	cobalt	nickel	copper	zinc	boron
Trivial Name	alkali metals	alkaline earth metals									coinage metals	volatile metals	icosagens
CAS Group	IA	IIA	IIIB	IVB	VB	VIB	VIIIB	VIIIB	VIIIB	VIIIB	IB	IIB	IIIA

14	15	16	17	18
<u>carbon</u>	<u>nitrogen</u>	oxygen	fluorine	helium or neon
crystallogens	pnictogens	chalcogens	halogens	noble gases
IVA	VA	VIA	VIIA	VIIIA

## Chemwatch Elearning

Chemwatch Elearning is available for the following applications:

### Backpack Lite Elearning (*Relevant to Basic Users*)

The Backpack Lite system is our introductory package that allows users to learn how to navigate the system and search for material SDS from their organisation's inventory. Click on the image below to access this elearning.



**Backpack Elearning** (Relevant to **Backpack - Simple Users**)

The Backpack application allows organisations to maintain a simple inventory of their pure or mixed chemicals and SDS. This elearning delivers information on how to operate the Backpack system. Click on the image below to access this elearning.



**GoldFFX Elearning** (Relevant to **GoldFFX- Intermediate Level Users**)

The GoldFFX application enables organisations to maintain a simple inventory of their pure or mixed chemicals, store SDS, create a manifest and perform risk assessments. This elearning delivers information on how to navigate and operate the GoldFFX system and meet specific chemical and SDS management objectives. Click on the image below to access this elearning.



Note: You may need to **clear your browser cache and cookies** if you are still seeing the old elearning. For more information, send us an email to [training@chemwatch.net](mailto:training@chemwatch.net). For further reference about elearning modules, features, translations and links, click [here](#).

## Terms and Abbreviations

**Article** means a manufactured item, other than a fluid or particle, that is formed into a particular shape or design during manufacture and has hazard properties and a function that are wholly or partly dependent on the shape or design.

**Bioaccumulative potential** is the potential for a chemical to accumulate in biota and possibly pass through the food chain.

**Biological monitoring** means the measurement and evaluation of a substance, or its metabolites, in the body tissue, fluids or exhaled air of a person exposed to that substance.

**Chemical Identity** means a name, in accordance with the nomenclature systems of the International Union of Pure and Applied Chemistry or the Chemical Abstracts Service, or a technical name, that gives a chemical a unique identity.

**Class** of dangerous goods, means the number assigned to the goods in the ADG Code indicating the hazard, or most predominant hazard, exhibited by the goods.

**Combustible liquid** means a liquid, other than a flammable liquid, that has a flash point, and a fire point less than its boiling point.

**Combustible substance** means a substance that is combustible and includes dust, fibres, fumes, mists or vapours produced by the substance.

**Container** means anything in or by which a hazardous chemical is, or has been, wholly or partly covered, enclosed or packed, including anything necessary for the container to perform its function as a container.

**Correct classification** means the set of hazard classes and hazard categories assigned to a hazardous chemical when it is correctly classified.

**Division** of dangerous goods, means a number, in a class of dangerous goods, to which the dangerous goods are assigned in the ADG Code.

**Exposure standard** means an exposure standard published by Safe Work Australia in the Workplace Exposure Standards for Airborne Contaminants.

*Note:* The Workplace Exposure Standards for Airborne Contaminants will replace the Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOSHC:1003(1995)].

**Flammable Liquid** means a flammable liquid within the meaning of the GHS that has a flashpoint of less than 93°C.

**Flash point** means the lowest temperature (corrected to a standard pressure of 101.3 kPa) at which the application of an ignition source causes the vapours of a liquid to ignite under specified test conditions.

**Generic Name** means a name applied to a group of chemicals having a similar structure and properties.

**Genuine research** means systematic investigative or experimental activities that are carried out for either acquiring new knowledge (whether or not the knowledge will have a specific practical application) or creating new or improved materials, products, devices, processes or services.

**GHS** means the 'Globally Harmonized System of Classification and Labelling of Chemicals, 3<sup>rd</sup> Revised Edition', published by the United Nations.

**Hazard** means a situation or thing that has the potential to harm people, property or the environment. The GHS covers physicochemical, health and environmental hazards for hazardous chemicals.

**Hazard Category** means a division of criteria within a hazard class in the GHS.

**Hazard class** means the nature of a physical, health or environmental hazard under the GHS.

**Hazard pictogram** means a graphical composition, including a symbol plus other graphical elements, that is assigned in the GHS to a hazard class or hazard category.

**Hazard Statement** means a statement assigned to a hazard class or hazard category describing the nature of the hazards of a hazardous chemical including, if appropriate, the degree of hazard.

**Hazchem Code** means 'Hazchem Code' under the ADG Code, also known as the Emergency Action Code.

**Health Surveillance**, of a person, means monitoring the person to identify changes in the person's health status as a result of exposure to a hazardous chemical.

**Import** means to bring into the jurisdiction from outside Australia.

**Label** means written, printed or graphical information elements concerning a hazardous chemical that is affixed to, printed on or attached to the container of a hazardous chemical.

**Manifest** means a written summary of the hazardous chemicals used, handled or stored at a workplace.

**Manifest quantity**, in relation to a Schedule 11 hazardous chemical, means the manifest quantity referred to in Schedule 11, table 11.1, column 5 for that hazardous chemical.

**Manufacture** includes the activities of packing, repacking, formulating, blending, mixing, making, remaking and synthesizing of the chemical.

**Mixture** means a combination of or a solution composed of two or more substances that do not react with each other.

**Placard** means a sign or notice displayed or intended for display in a prominent place or next to a container or storage area for hazardous chemicals at a workplace and that contains information about the hazardous chemical stored in the container or storage area.

**Placarding quantity**, in relation to a Schedule 11 hazardous chemical, means the placard quantity referred to in Schedule 11, table 11.1 column 4 for the Schedule 11 hazardous chemical.

**Physicochemical** means the physical properties of a chemical.

**Precautionary Statement** means a phrase prescribed by the GHS that describes recommended measures to be taken to prevent or minimise the adverse effects of exposure to a hazardous chemical or the improper handling of a hazardous chemical.

**Product Identifier** means the name or number used to identify a product on a label or in a safety data sheet (SDS).<sup>1</sup>

**Proper shipping name** means a proper shipping name under the ADG Code.

**Research chemical** means a substance or mixture that is manufactured in a laboratory for genuine research and is not for use or supply for a purpose other than analysis or genuine research.

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<sup>1</sup> The term 'product name' has previously been used for 'product identifier'.

<sup>2</sup> UN Numbers are published in the UN Recommendations on the Transport of Dangerous Goods – Model Regulation, and in the ADG Code

**Signal word** means the word 'danger' or 'warning' used on a label to indicate to a label reader the relative severity level of a hazard and to alert the reader to a potential hazard, under GHS.

**Substance** means a chemical element or compound in its natural state or obtained or generated by a process:

- including any additive necessary to preserve the stability of the element or compound and any impurities deriving from the process; but
- excluding any solvent that may be separated without affecting the stability of the element, compound, or changing its composition.

**Supply** includes selling or transferring ownership or responsibility for a chemical.

**Technical name** means a name that is: ordinarily used in commerce, regulations and codes to identify a substance or mixture, other than an International Union of Pure and Applied Chemistry or Chemical Abstracts Service name and recognised by the scientific community.



**IT'S NOT THE HAZARD  
IT'S THE RISK!**

**Chemwatch**  
1227 Glen Huntly Road  
Glen Huntly  
Victoria 3613  
**Telephone** 📞: +61 3 9573 3100  
**Facsimile:** +61 3 9572 4777  
Email: [info@chemwatch.net](mailto:info@chemwatch.net)  
Website: [www.chemwatch.net](http://www.chemwatch.net)