



GOLDFFX USER GUIDE

Version 4

GoldFFX

CHEMWATCH 2026

Melbourne, Australia

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Glossary

4PL	Fourth Party Logistics, Transport Module
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 business units 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
IH	Industrial Hygiene
ILO	International Labour Organisation, United Nations
MFA	Manifest Facility Area
MQR	Manifest Quantity Report
NFPA	National Fire Protection, USA
OEL	Occupational Exposure Limit
PFAS	Per- and Polyfluoroalkyl Substances
PPE	Personal Protective Equipment

PKG	Packing Group for Dangerous Goods
PTN	Project Tracking Number
QR Code	Quick Response
RA	Risk Assessment
SDM	Domain Sub-Administrator of the Chemwatch System within your organisation
SI	International System of Units
SMARTSUITE	Smart Vendor, Gold, Mini SDS, Emergency Response Mobile App
SR	Subsidiary Risk for Dangerous Goods
SOP	Standard Operating Procedure
SUSMP	Classification of Medicines and Poisons in Australia
UGD	User Gold Data
UI	User interface
UN	United Nations
VGD	Vendor Gold Data
WHIMS	Workplace Hazardous Materials Information System, Canada
WHS	Workplace Health and Safety, Australia

About the GoldFFX User Guide

The GoldFFX User Guide is based on the new development of Chemwatch's latest chemicals management system. The topics covered in this guide are centered on the various modules available within the GoldFFX product package.

Modular features, icons and buttons are used across this guide to emphasize a specific activity where stepwise tasks are provided in respective topics as a reference to learn how to use the system to meet specific outcomes.

Modules

 Home <i>Core Module</i>	 Risk Assessment
 Label Designer <i>Create Labels</i>	 Credo <i>AuthorTe is optional</i>
 Settings <i>Administrator Settings</i>	 Request <i>SDS/Uploads</i>
 Analytics	

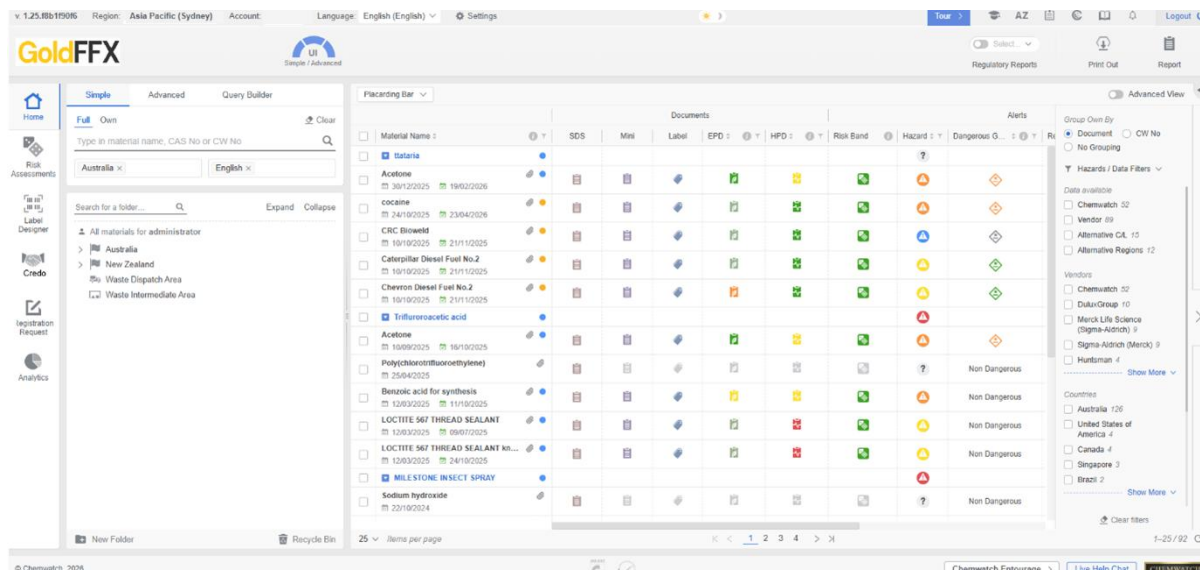
Features

 Tags	 Manifest and Hazards 
 Form Builder	 Query Builder
 Report Generator 	 Print Out
 Feature Meter <i>Simple / Advanced</i>	 Folder Management
 Documents	 SDS QR Code <i>Scan/Copy Code/Link</i>
 Live Help Chat	 Outback <i>Optional</i>

Information Reference

The information icon  provides more information in any topic or section of this guide.

GoldFFX is a Chemwatch web application supported by the following latest common browsers. This new Chemwatch system is the latest offer in chemicals management suites. It has been designed to enhance the user experience, simpler and more intuitive to navigate, while still allowing businesses and organisations to manage their chemical inventory and Safety Data Sheets (SDS) as per work, health, and safety requirements.



The independent deployment of system components facilitates faster implementation of changes and updated data, which can be made available and accessible regionally, catering to specific jurisdictions for safety and compatibility purposes.

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	★★★★☆
 Safari	Latest version of Safari is supported	★★★★☆

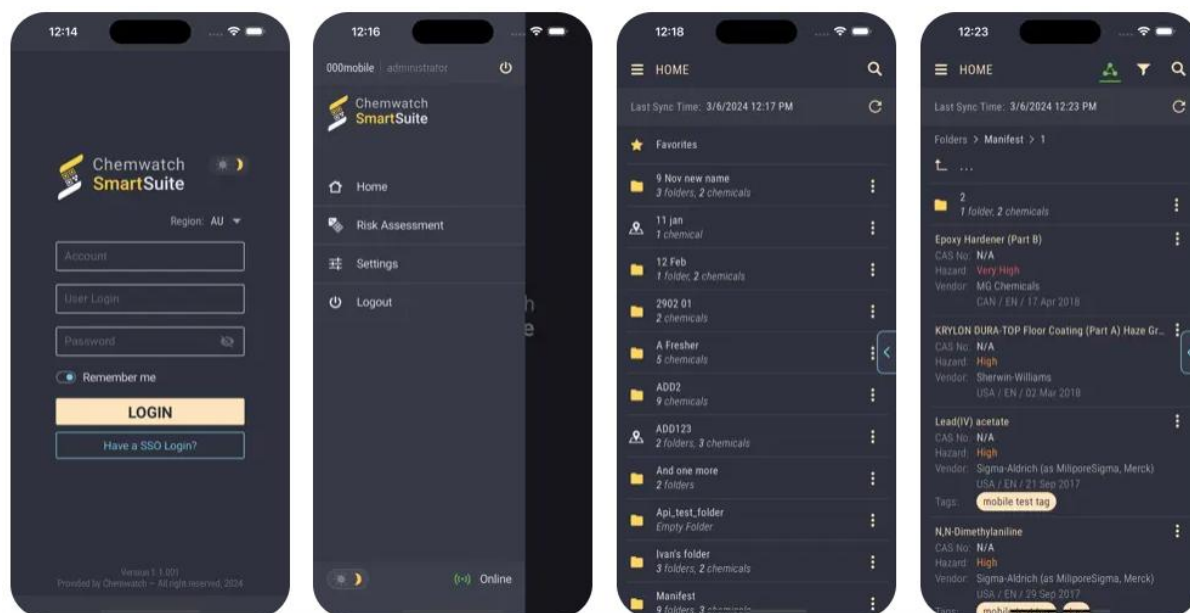
 Contact your **domain administrator** or your **network administrator** for more details with regards to the approved browsers to use in your work environment.

connection, and it is not fully supported on smartphones and tablets.

Smarter Suite Mobile App

Chemwatch offers separate mobile apps for iOS and Android as an additional package to the standard app license. Smarter Suite is our new mobile app that enables accessibility from a single location as a “One Stop Shop” for access to extensive health and safety information, including risk assessments, management of chemical inventory using barcoding.

	Mobile App	Features
	Smart Suite app Chemicals Management Mode	- Basic and Advanced Search - Vendor SDS - Chemwatch SDS - Mini SDS (Hazard Summary) - Emergency Documents - Risk Assessment - Labels - Product Declaration Documents - Analytics - System settings
	Smart Suite app Assets Management Mode	- Inventory management - Stocktake and Reconciliation - System settings

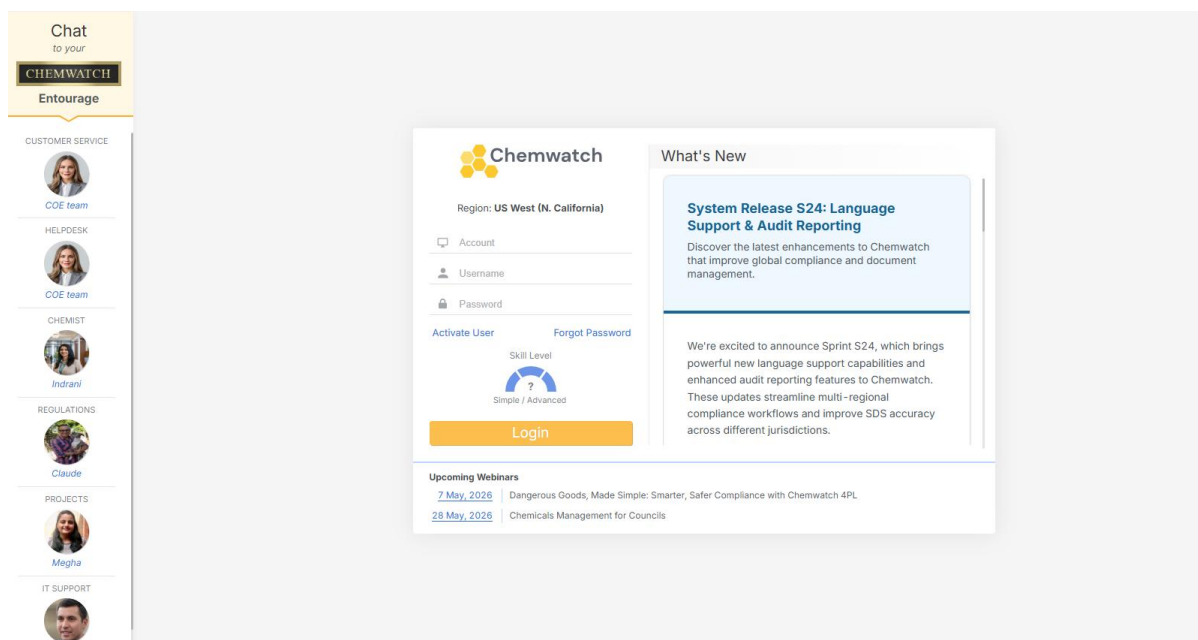


 For more information about SmartSuite Apps, contact sales@chemwatch.net.

About User Login and Logout

The Chemwatch system is accessible online, and access is based on regional service as per the jurisdiction of the domain. The login main page of the system contains these elements:

- Chat Entourage
- Account, Username and Password
- What's new
- X (formerly Twitter)



Elements	Function	Description
Remember me ☒ Remember me	Checkbox ☐ to remember login data	If the checkbox ☐ is selected, the browser will remember your previous login for the account and user login.
Forgot password	Change password	This feature allows Chemwatch to send an automatic email for password change. Users will be required to reassign a new password.
Register	Registration link	This link opens a registration form to register for the next upcoming webinar(s).
	Skill level	The feature meter enables users to select the applicable skill level to use simple to advanced features of the system.
Chat	Chat Entourage	The vertical bar on the side lets users chat with their team's Entourage. These teams correspond to the departmental services available online 24/7. Users can use instant messaging to ask questions, raise inquiries, or troubleshoot problems.

Elements	Function	Description
	Logout	Manual logout of the system.
	X-Chemwatch feed	X-is formerly Twitter. It's a social media platform where Chemwatch shares messages, images, and posts.
Whats New	System Releases	Release (Sprint) updates notification.
Webinars	Registration Link	Upcoming webinars and scheduled dates.

Single Sign On (SSO)

The Chemwatch system uses two main options for authentication:

- Manual Login
- Single Sign On (SSO)

Authentication Mode	Description
Manual Login 	Users' manual login to the application requires the following authentication fields to be filled correctly. • Account Name • User Login • Password
Single Sign on 	This option is available in the database to authenticate users against an external repository which contains references to the organisation's users. When using the external authentication method, only users and their passwords are externalized, all other data integrator privileges remain within the Chemwatch database repository.

The Chemwatch system login authentication requires a three-factor authentication mode for the manual gain access to the application through a domain account.

Single Sign-On (SSO) is an authentication process that allows users to access multiple applications or services with a single set of login credentials. Instead of entering a username and password for each service, users log in once and gain access to all connected systems. This enhances user convenience, reduces password fatigue, and improves security by minimizing the number of passwords users must manage.

 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

Users can register for upcoming Chemwatch webinars from the login page. On the login page, click on the “Register” link (dd/mm/yyyy) provided at the bottom of the page to fill in your details to register for the selected webinar.

Chemwatch

Region: **Asia Pacific (Sydney)**

Account

User Name

Password

[Activate User](#) [Forgot Password](#)

Skill Level

Simple / Advanced

Login

What's New

Key Updates Include:

Canadian French Language Support
Chemwatch documents generated for Canada now automatically apply Canadian French terminology instead of generic French. Users can select Canadian French from the language dropdown when country is set to Canada.

Audit Report Language Selection
Choose your preferred SDS language directly from the Audit Report dropdown menu without leaving the report interface. Streamline the review of content across multiple regions and regulatory requirements within a single, unified view.

Upcoming Webinars

[7 May, 2026](#) | Dangerous Goods, Made Simple: Smarter, Safer Compliance with Chemwatch 4PL

[28 May, 2026](#) | Chemicals Management for Councils

User Roles and Folder Permissions

The domain administrator has full access and control of the system. Configuration of user access, permissions and SDS settings and other modular features are managed by the system administrator within your business or organisation. The system provides the following user permissions:

- Read
- Read-write
- Deny

i Use the role/function description in the table below to check the type of user profile applicable to your login, as provided by the domain administrator of the system within your organisation. 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 helpdesk@chemwatch.net for support.

The best practice on user roles, function and the relative permissions is summarised below.

Function	User Profile	Description	Permission
 Domain Administrative Role	Primary Administrator	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.

Function	User Profile	Description	Permission
 Management Role	Folder and inventory management level (read-write)	Management of folders, inventory/manifest	Ability to edit folders, materials, access to assigned role permissions; to be able to manage data; report generator, dashboards, document filter tools, and many more functions and features.
 Basic Role	General use level (read only)	General use may have limited access and read function	Ability to read data, search for materials, view various accessible reports as per the set privileges by the domain administrator.

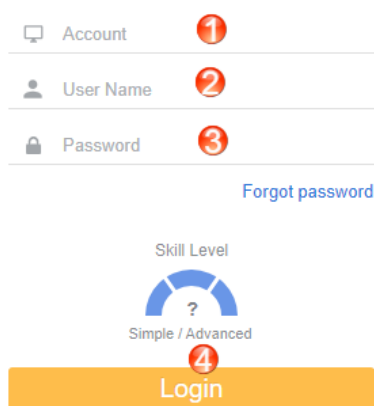
- i** The application's domain administrator within your organisation or business is responsible for organisation will authenticate access to the system. For any user interface related questions on access to certain features based on skill level, submit a ticket through the chat facility or send an email to helpdesk@chemwatch.net.

Manual Login

First time users will receive an email notification welcome message which contains the system web link and login details with a temporary password and when the credentials are entered, the system will prompt users to change it before the expiry timeframe.

Steps: How to Login

1. Enter your **Account**.
2. Type your **Username**.
3. Enter your **Password**.
4. Press the **Login** button.



Upon successful login, the default Home  module will display user interface features based on user settings applied by the domain administrator.

Main Screen Elements

The screen below displays user interface elements, modules and features for advanced users of the system at full scale of the feature meter.

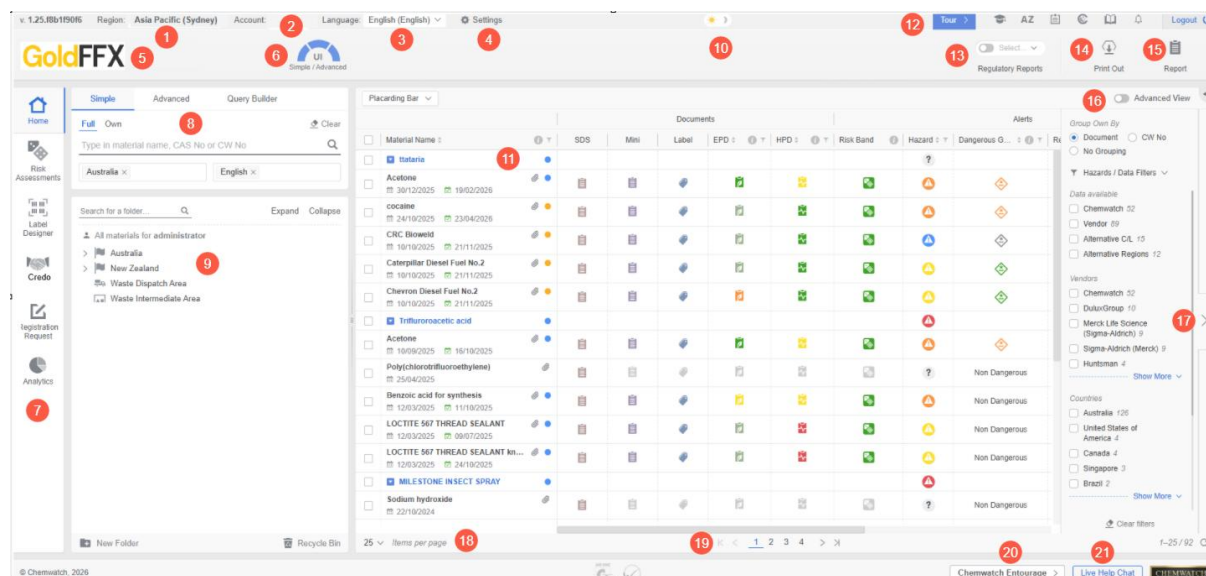


Table Description of the main components of the home page user interface.

No.	UI Component	Description
1	Region	Global regional locations as per microservice regional compliance and security requirements.
2	Account	Displays the domain name of the account (also known as the account name).
3	Language	Users can set the language of the user interface from the dropdown list.
4	Settings	Administrative Settings module, applicable to the Administrator of the system.
5	Logo	Product (System) logo or your company/organisation logo.
6	Feature Meter	Simple to Advanced modes of the system's user interface.
7	Modules	Product's modules, features and functionalities.
8	Search Panel	Simple, Advanced and Query Builder search modes.
9	Folders Panel	Folder and inventory management.
10	UI Theme	User interface colour theme.
11	Materials Grid	Materials view, access to Documents and Alerts.
12	Tools Bar	Access to the Tour, Elearning, Glossary, Bulletin, ChemCollege, Manual, Logout.
13	Regulatory Reports	Manifest Quantity Report, Incompatibility Report.

No.	UI Component	Description
14	Print Out	Print, download, share.
15	Report	Report Generator.
16	Advanced View	Switch grid view between Advanced and Simple grid view mode.
17	Slide Panel	Options to group materials on the grid, apply filters by hazards/data filters, vendors, countries and languages.
18	Items per Page	Number of items per page to view materials through pagination.
19	Pagination	View materials listing by page.
20	Chemwatch Entourage	Chemwatch services by business unit or department.
21	Live Help Chat	Online support through live text messages.

About Feature Meter

The **UI** (User Interface) feature meter helps users adjust the interface complexity from basic to advanced modes based on their skill level. Users can access fewer features in simple mode or unlock advanced features in full-on mode.

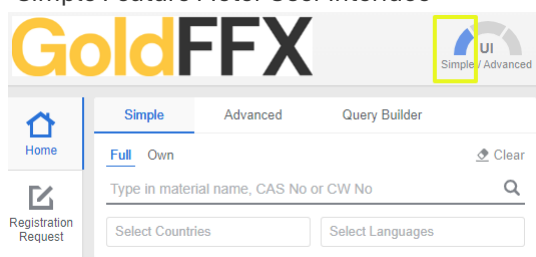
What is a “Feature Meter”?



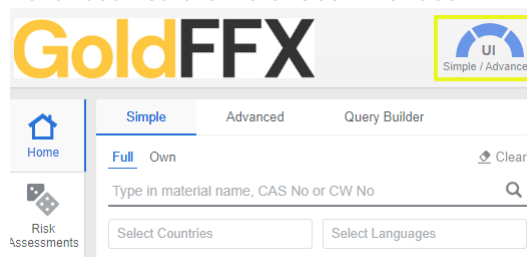
The **Feature Meter** is a user interface gauge (skill level) intended to enable users to toggle between “**Simple and Advanced**” screen display of panels, features, and functionalities of the user interface. The primary purpose of this enhancement is to provide a clear hierarchy in reducing the appearance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

This solution introduces different user interface panels with applicable colour theme .

Simple Feature Meter User Interface



Advanced Feature Meter User Interface



Users can toggle between simple and advanced features to navigate through the user interface. This feature presents different user interface levels based on skill level mode based on the applicable license product package.

Skill	Mode	Gauge Level
Level 1	Simple mode user interface	
Level 2	Intermediary mode user interface	
Level 3	Advanced mode user interface	

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

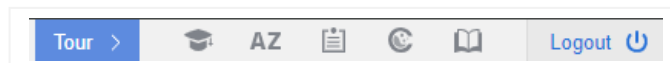
About User Tour and Guidance

GoldFFX user interface contains guidance tools for information and learning through user tours, elearning guides and users guide. Access to this type of information is located at the top right corner bar of the system's user interface as shown below.

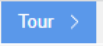
User Tour, Elearning, Manuals and Logout Buttons

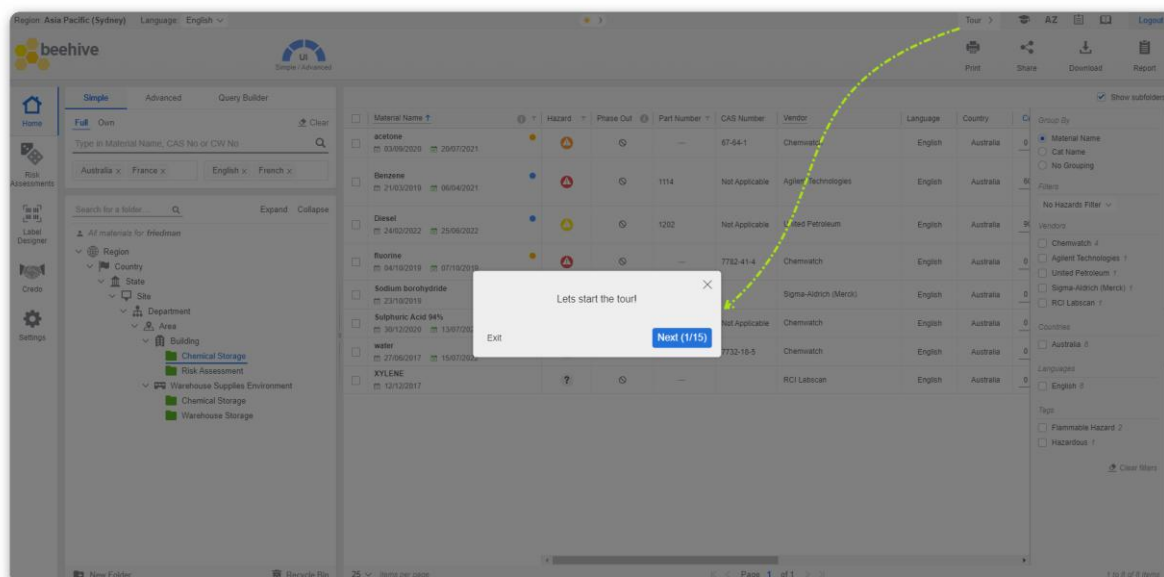
The system contains the following linked buttons:

- Tour
- Elearning
- Glossary
- Bulletin
- ChemCollege
- Manual
- Logout

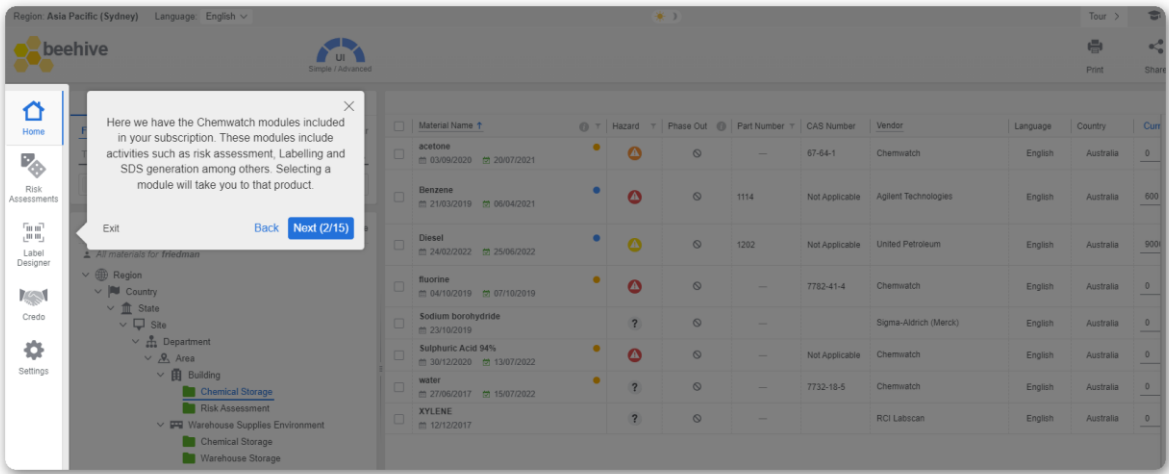


The table below provides descriptions of these buttons.

Useful Tools	Informative Tool	Description	Use
	User tour	Step by step knowledge of user interface component	User tour provides users with information about modular elements of the user interface.



Useful Tools	Informative Tool	Description	Use
--------------	------------------	-------------	-----



	Elearning	The elearning button provides access to online learning about the system	Users can learn about GoldFFX to gain knowledge on how to use the system.
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CHEMWATCH TRAINING

Welcome to the Chemwatch Training library, your gateway to mastering our software applications and much more. Our eLearning presentations provide comprehensive guidance on Chemwatch's applications and features. Complete training on our applications in full or choose a module or feature to focus on. Start your learning journey today with Chemwatch Training.

QUICK START GUIDE

A collection of short videos to get you started.

[Click here](#)

PRODUCTS

Complete training presentations for the Chemwatch applications.

[Click here](#)

TRANSLATIONS

Translated training modules in multiple languages.

[Click here](#)

COURSES

Accredited and non-accredited courses in chemicals management and safety

[Click here](#)

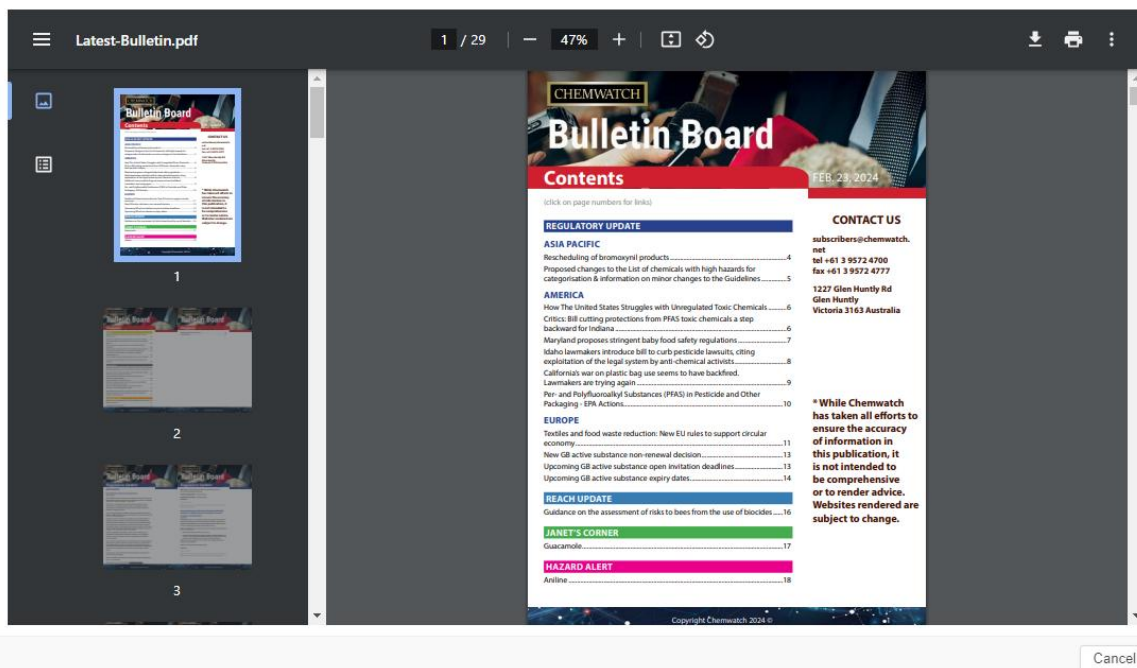

Useful Tools

Informative Tool

Description

Use

Bulletin



ChemCollege

Chemwatch short courses

Learners or students
login to the LMS.

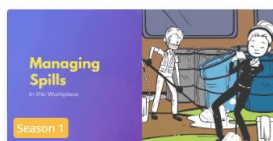
Username

Password

Log in

Lost password?

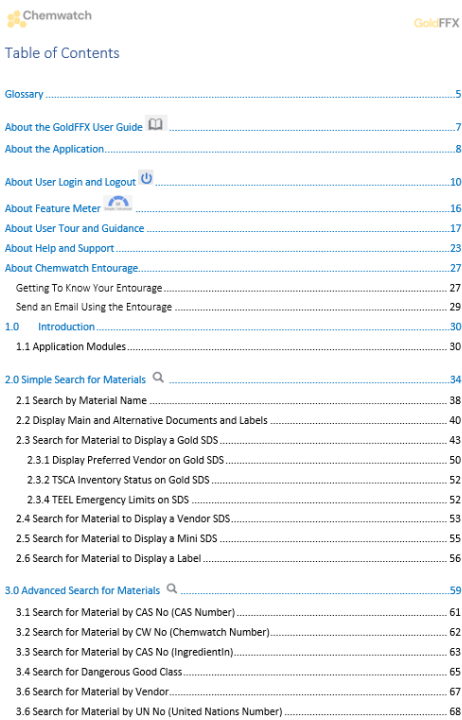
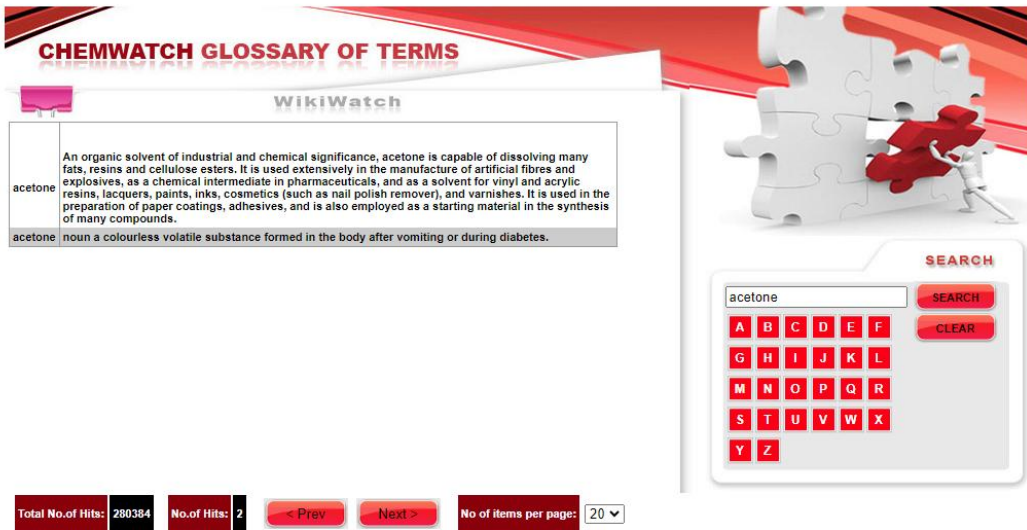
Available courses



Manual

User Guide for the system

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

Useful Tools	Informative Tool	Description	Use
 GOLDFFX USER GUIDE Version 4 CHEMWATCH 2026 Melbourne, Australia  			
AZ	Glossary	This is a Chemwatch Glossary of Terms	Search for term description to learn more.
Glossary  Logout			
Logout	Logout	Logout button to sign-off the system	Logging out of the Chemwatch application will go back to the login screen.

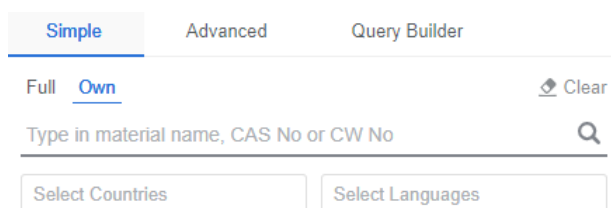
The Home Module Elements

Search Panel

This panel contains two tabs that enable users to search in **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.

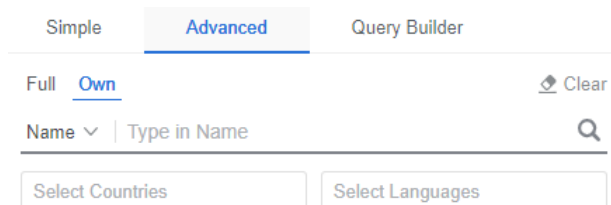
Simple

The Simple mode allows users to conduct basic search by material name, product name, CAS No or CW No.



Advanced

The Advanced search mode enables users to search by specific parameters provided in a drop-down list; CAS No, CW No, CAS (IngredientIn), DG Class, Packing Group, UN No, Sub Risk, EINECS, Vendor, Part No, Molecular Structure, SMILES, Preferred Name.



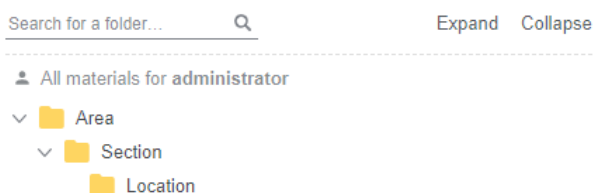
Main Documents and Alternative Documents Accessible from the Side Panel

This panel allows users to choose the type of document to display for a single material or product at a time by using any of the following available options:

Main Documents	Alternative Documents	Compare Documents	Special Documents
○ SDS ○ Mini ○ Label ○ RA Report	○ Chemwatch SDS ○ Chemwatch Mini SDS ○ First Aid ○ PPE ○ Toxicological ○ Environmental ○ Fire Fighting ○ Spills ○ SOP ○ Advice to Doctor ○ CHINA	○ SDS ○ Mini ○ RA Report	○ HPD (Health Product Declaration) ○ EPD (Environmental Product Declaration)

Folder Tree Panel

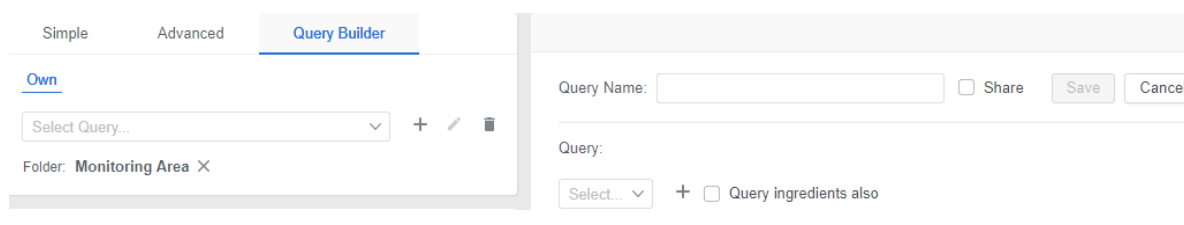
This panel provides a system's Folder Structure to manage domain's **folders**. Materials and SDS can be added into folders as part of inventory management.



Query Builder Search Mode

Query Builder

This panel enables users to create queries to search the database to find materials by specific type of operators (AND, OR) and query strings. The search capabilities can also include querying ingredients. Any query can be shared with tags to easily navigate and find materials by using the tags grid filtering features.

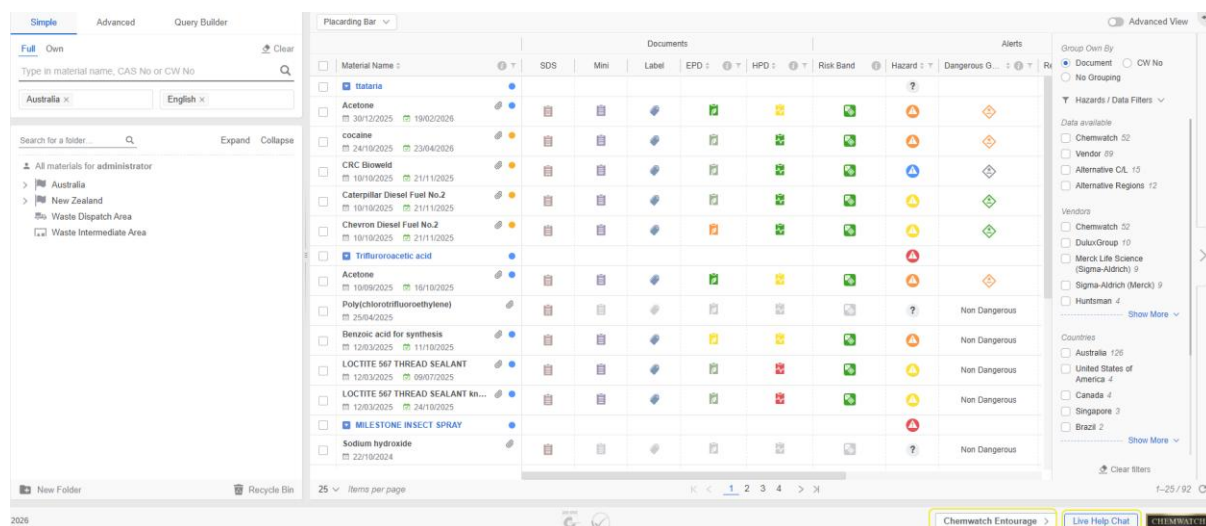


About Help and Support

GoldFFX offers a live help panel that allows users to seek immediate online support and submit complaints, issues, bugs, errors, and questions through the following tools:

Help Tool	Description
 Live Chat	The application features a live help chat panel located in the bottom right corner, providing users with 24/7 access to request live online Chemwatch assistance.
 Entourage	Get in touch with your Chemwatch Support Service Team. The chat option links to a live chat room, and the email function allows users to submit an inquiry directly to a specific support team. Entourage is also known as the Chemtourage.
 Calls	Incoming and outgoing calls are linked with Chemwatch CRM, allowing support teams to create tickets for follow-up actions and provide updates on submitted inquiries, enhancing support services.
 Emails	Help and support emails to Chemwatch, enable service teams to troubleshoot, create tickets for follow-up actions, and send updates regarding submitted inquiries.

Logged-in users will find Live Help Chat and Chemwatch Entourage panels conveniently located at the bottom right corner of the application, facilitating user engagement and assistance with any queries or issues.



These panels will initially appear collapsed, as depicted in the image above. When expanded, users will have the ability to:

- Chat online for support
- Send an email through the entourage

The following table provides further descriptions of the help and support related tools.

Support	Function	Description
Live chat Live Help Chat	Online instant messaging for help and support	The chat form is used to request instant support or submit an inquiry to Chemwatch. Inquiries that require follow-up action will be assigned a ticket to track progress until the ticket issue is resolved.

The screenshot displays the Chemwatch interface with a table of materials and a live chat form overlay. The table has columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, and Dangerous G... The materials listed include Acetone, cocaine, CRC Bioweld, Caterpillar Diesel Fuel No.2, Chevron Diesel Fuel No.2, Trifluoroacetic acid, Acetone, Poly(chlorotrifluoroethylene), Benzoic acid for synthesis, LOCTITE 567 THREAD SEALANT, LOCTITE 567 THREAD SEALANT kn..., MILESTONE INSECT SPRAY, and Sodium hydroxide. The live chat form overlay is titled 'Chemwatch Live Chat Form' and contains fields for First Name, Phone, and E-mail, with a 'Submit to start live chat' button. The form also has a 'Report abuse' link and a 'Chemwatch Live Help Chat' header.

Chemwatch Entourage

[Chemwatch Entourage >](#)

Request for chat or send an email to submit an inquiry

This panel is used to submit an inquiry through the email function or chat with the Chemwatch Support Service Team.

The screenshot displays the Chemwatch interface with a table of materials and a support team panel overlay. The table has columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, and Dangerous G... The materials listed include Acetone, cocaine, CRC Bioweld, Caterpillar Diesel Fuel No.2, Chevron Diesel Fuel No.2, Trifluoroacetic acid, Acetone, Poly(chlorotrifluoroethylene), Benzoic acid for synthesis, LOCTITE 567 THREAD SEALANT, LOCTITE 567 THREAD SEALANT kn..., MILESTONE INSECT SPRAY, and Sodium hydroxide. The support team panel overlay is titled 'CUSTOMER SERVICE' and contains a list of team members: COE team, COE team, Indrani, Claude, Megha, and Jason, IT Team. The panel also has a 'Live Help Chat' button and a 'CHEMWATCH' logo.

The **Live Help Chat** and the Chemwatch Teams **Entourage** panels are visible across all modules so that an inquiry can be submitted at any page instantly. The simple steps below illustrate how to use the chat panel to start an online conversation with one of our helpdesk support team members.

Steps: How to Use the Chat Panel

Live Chat Form

1. On bottom right corner of the user interface, click on the **Live Help Chat** button to fill in your information in the respective text field in live chat panel.
2. **Name** (Required)
3. Phone Number (Optional)
4. **Email** Address (Required)
5. Click the **Submit** button.

The screenshot displays the Chemwatch Live Help Chat interface. The background features a 'Placarding Bar' with a table of chemical products. The table has columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, and Dangerous Goods. The 'Live Chat Form' is overlaid on the bottom right, containing fields for First Name, Phone, and E-mail, and a 'Submit to start live chat' button. A red arrow points to the 'Live Help Chat' button in the bottom right corner of the interface.

6. You may start the conversation in the **"Enter message"** text field.
7. Press Enter on your keyboard or click on the Send icon .
8. Click **"I Accept"** Privacy Policy button.
9. A Chemwatch **online support team** member will respond to your inquiry or question.
10. The Live Chat panel has an **Attachment**  feature to enable file upload to enhance troubleshooting.
11. Click on the Close  icon on the top right corner when the conversation is finished.
12. You may also rate our support service by clicking on the hand thumb icon  .

Placarding Bar Advanced View

	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...
☐	ttataria							?	
☐	Acetone 30/12/2025 19/02/2026								
☐	cocaine 24/10/2025 23/04/2026								
☐	CRC Bioweld 10/10/2025 21/11/2025								
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025								
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025								
☐	Trifluoroacetic acid								
☐	Acetone 10/09/2025 16/10/2025								
☐	Poly(chlorotrifluoroethylene) 25/04/2025								
☐	Benzoic acid for synthesis 12/03/2025 11/10/2025								
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025								
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025								
☐	MILESTONE INSECT SPRAY								
☐	Sodium hydroxide 22/10/2024								

25 Items per page

Chemwatch Live Help Chat

today

Thank you, your message has been sent.

SDS Inquiry assistance 6

7

Placarding Bar Advanced View

	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...
☐	ttataria							?	
☐	Acetone 30/12/2025 19/02/2026								
☐	cocaine 24/10/2025 23/04/2026								
☐	CRC Bioweld 10/10/2025 21/11/2025								
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025								
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025								
☐	Trifluoroacetic acid								
☐	Acetone 10/09/2025 16/10/2025								
☐	Poly(chlorotrifluoroethylene) 25/04/2025								
☐	Benzoic acid for synthesis 12/03/2025 11/10/2025								
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025								
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025								
☐	MILESTONE INSECT SPRAY								
☐	Sodium hydroxide 22/10/2024								

25 Items per page

Privacy Policy

Cookies are small text files sent by websites to your browser and are stored on your computer's browser directory. Cookies are created when you use your browser to visit a website that uses cookies to keep track of your movements within the site, help you resume where you left off, remember your registered login, theme selection, preferences, and other customization functions.

I ACCEPT I DECLINE

8

The screenshot displays the Chemwatch application interface. On the left, a table lists materials with columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, and Dangerous Goods. Materials include Acetone, cocaine, CRC Bioweld, Caterpillar Diesel Fuel No.2, Chevron Diesel Fuel No.2, Trifluoroacetic acid, Benzoic acid for synthesis, LOCTITE 567 THREAD SEALANT, and Sodium hydroxide. On the right, a chat window is open with an agent named Liezel. The chat history shows a welcome message and a request for assistance. The chat input field is at the bottom.

This screenshot shows the same Chemwatch application interface as the first one, but with a different chat window. The chat window now displays a feedback poll asking 'Please tell us how we did.' with thumbs up and thumbs down buttons. The chat history shows a 'Cheers' message. The chat input field is at the bottom.

Chemwatch Support Technical Tools

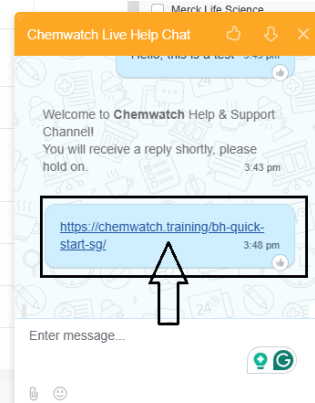
The Chemwatch team may use the following chat related tools to provide you with better support and navigation through an application issue or query.

Type of Tool	Use
Screenshots	The support team might share screenshots within the chat messaging field to provide steps on how to action or carry out tasks. Click on the provided image to view the screenshot in full size.

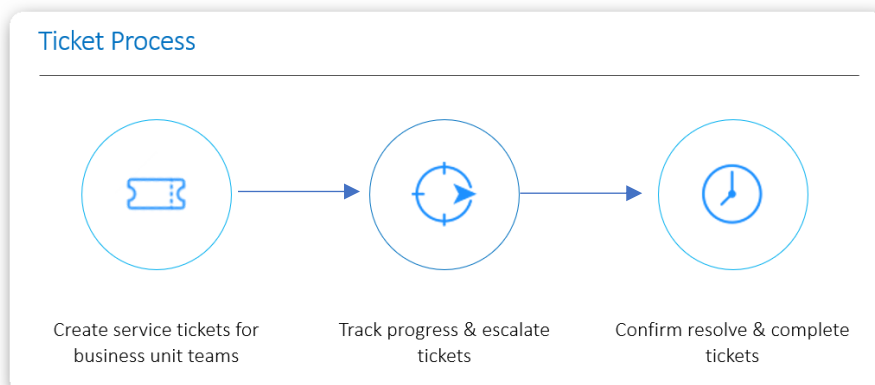
Type of Tool	Use
Links	The support team might share knowledgebase articles or documentation links within the chat messaging field for more detailed information for your reference. Use the link(s) to open the details or download available document(s).

☐	sodium hydroxide								
☐	MILESTONE INSECT SPRAY 01/11/2024 03/04/2025	Not Applicable		H222, H229, H319, H351, H370, H372	AUS	EN	Milestone Chemicals		
☐	Kerosene 02/03/2024 08/02/2025	8008-20-6		H227, H304, H315, H336, H411	USA	EN	Merck Life Science OY (Sigma-Aldrich)		
☐	CIGWELD ChromeBright 10/03/2023 23/03/2023	Not Applicable		H301, H311, H314, H317, H318, H331, H335, H341, H373	AUS	EN	Chemwatch		
☐	ethyl acetate 23/12/2022 04/01/2023	141-78-6		H225, H319, H336, H373	USA	EN	Chemwatch		
☐	ammonia 23/12/2022 04/01/2023	1336-21-6		H290, H314, H318, H332, H400	AUS	EN	Chemwatch		
☐	Nitrous oxide 16/09/2022 13/07/2023	10024-97-2		H270, H280, H336	AUS	EN	Air Liquide		
☐	56K-D0094 Dulux Professional Fast Fini... 31/08/2022 10/01/2023	Not Applicable		H317	AUS	EN	DuluxGroup		

25 Items per page



Chat inquiries are lodged as tickets, and each chat is assigned a conversation# for ease of tracking ticket progress. The general ticket flow illustrates the main steps undertaken for the completion of an inquiry where follow-up action is required.



About Chemwatch Entourage

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



- Customer Service Account Management
- Helpdesk Support
- Project Management
- Chemists and SDS authoring
- Regulations & Custom Labels
- IT Technical Support

Getting To Know Your Entourage

Business Unit Services

Customer Service Support Team

Client account management, process requests for SDS acquisitions, SDS uploads, SDS updates, system set up, customer rollouts, 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.

Chemist Support Team

SDS authoring, emergency response, Chemwatch (Gold) SDS reviews, SDS details inquiries, DOCGEN technical queries, WeWrites, chemical inventory audits.

Helpdesk Support Team

Help and support on how  to use any of the applications. Troubleshooting and logging inquiry tickets for bugs, errors, improvements, SDS data related inquiries.

Regulations Support Team

General regulatory and label creation and customisation inquiries and advice.

The specific SDS inquiries should be submitted to the Chemist first.

IT Support Team

Technical issues such as access to GoldFFX application, security, and IT related client-side requirements.

 The specific application-related inquiries must be logged with the Helpdesk as the first point of contact.

Projects Support Team

The Projects Team manages PTNs (Project Tracking Numbers) related inquiries pertaining to inventory uploads, Manifest uploads, SDS acquisition and registration phases of your projects.

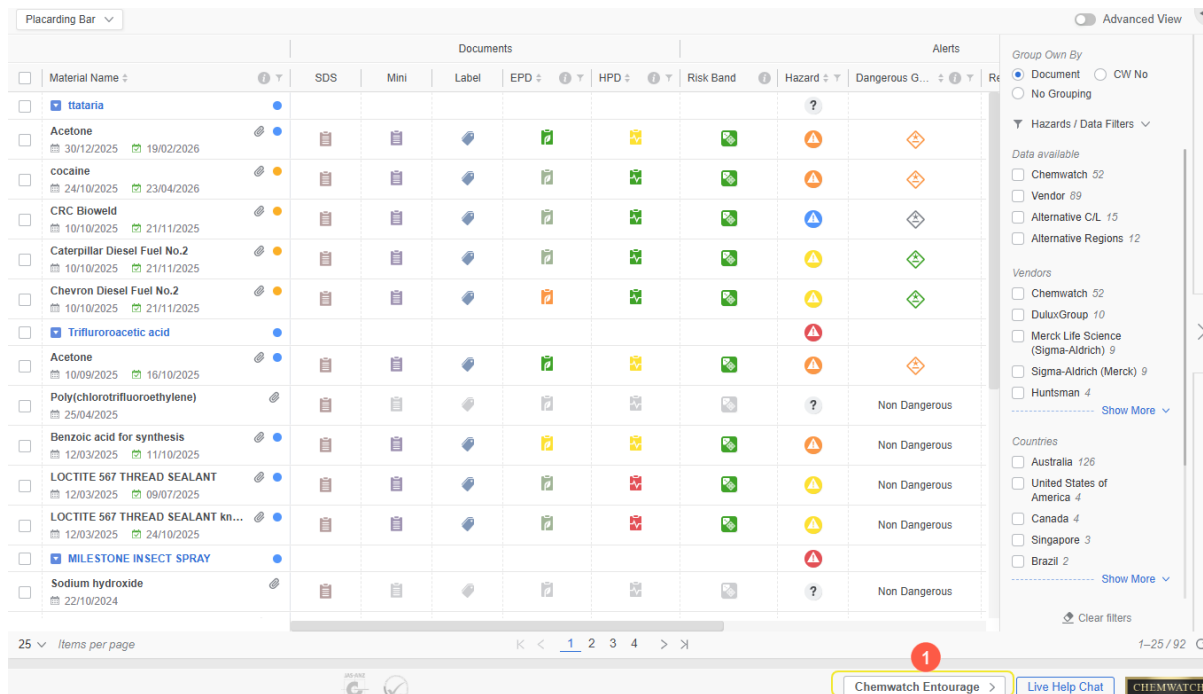
The following steps illustrate how to submit a helpdesk inquiry or question through the live chat in your Chemtourage.

Steps: How to Submit an Inquiry in Entourage

1. Open the **Chemwatch Entourage** panel.
2. Click on the **Service Team**, e.g., Helpdesk.
3. Select the chat icon  from the displayed service desk profile.
4. Enter your details on the chat panel fields to submit your inquiry.
5. Follow the provided steps on submitting a chat inquiry above.

Type your message in the live help chat form. A service team member will immediately respond to your request.

You may also give us a call using the official numbers provided in the service desk window.



The screenshot displays the Chemwatch Entourage interface. The main table lists materials with columns for Material Name, Documents (SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, Dangerous G...), and Alerts. The sidebar on the right contains filters for Group Own By, Hazards / Data Filters, Data available, Vendors, and Countries. A red circle with the number 1 highlights the 'Chemwatch Entourage' button in the bottom right corner.

Material Name	Documents	Alerts
	SDS	Mini
tataria		
Acetone		
cocaine		
CRC Bloweld		
Caterpillar Diesel Fuel No.2		
Chevron Diesel Fuel No.2		
Trifluoroacetic acid		
Acetone		
Poly(chlorotrifluoroethylene)		
Benzoic acid for synthesis		
LOCTITE 567 THREAD SEALANT		
LOCTITE 567 THREAD SEALANT kn...		
MILESTONE INSECT SPRAY		
Sodium hydroxide		

Placarding Bar

Material Name	CAS No	Hazard	Hazard Codes	Country	Language	DG	S1	S2	Vendor
Caltex LPG	24/10/2025	25/03/2026	Not Applicable	H220, H280, AUH044	AUS	EN	2.1		Chemwatch
Halliburton Australia Diesel Fuel	10/10/2025	01/04/2026	Not Applicable	H227, H320, H336, H351, H360Fd	AUS	EN	Not Applicable	Chemwatch	
Actrol R507	12/08/2025	03/02/2026	Not Applicable	AUH044	AUS	EN	2.2		Chemwatch
Seasol Plus	27/07/2025	22/01/2026	Not Applicable	H315, H318	AUS	EN	Not Applicable	Chemwatch	
(WW)WD-40 (UK) Aerosol	04/04/2025	04/05/2025	Not Applicable	H222+H229, H304, H320, H336, AUH044, AUH066	AUS	EN	2.1		WD-40 Company
Hydrogen Peroxide 50%	01/12/2024	29/04/2025	7722-84-1	H272, H302+H332, H314, H335	AUS	EN	5.1	8	WinHarvest
Livingstone International Microshield...	10/07/2024	19/07/2024	Not Applicable	H412	AUS	EN	Not Applicable	Chemwatch	
Seasol Powerfeed	10/07/2024	19/07/2024	Not Applicable	Non-Hazardous	AUS	EN	Not Applicable	Chemwatch	
opium	09/04/2024	09/04/2024	8008-60-4	H301, H331, H336, H373	AUS	EN	6.1		Chemwatch
Kerosene	02/03/2024	08/02/2025	8008-20-6	H227, H304, H315, H336, H411	USA	EN	3		Merck Life Science OY (Sigma-Aldrich)
Benzene	01/03/2024	17/08/2024	71-43-2	H225, H304, H315, H319, H340, H350, H372	AUS	EN	3		Merck Life Science (Sigma-Aldrich)

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Group Own By: ☒ Document ☐ CW No ☐ No Grouping

Hazards / Data Filters

Data available:

- ☐ Chemwatch 67
- ☐ Vendor 25
- ☐ Alternative CIL 13
- ☐ Alternative Regions 8

Vendors:

- ☐ Chemwatch 46
- ☐ Merck Life Science (Sigma-Aldrich) 8
- ☐ Sigma-Aldrich (Merck) 3
- ☐ Actrol Parts (a division of GSA Industries) 2
- ☐ Thermo Fisher Scientific (Fermentas) 2

----- Show More

Countries:

- ☐ Australia 59
- ☐ United States of America 4
- ☐ Belgium 3
- ☐ United Kingdom of Great Britain and Northern Ireland 2

Clear filters

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Live Help Chat

CHEMWATCH

CUSTOMER SERVICE: AU CS Team

HELPDESK: AU HD Team

CHEMIST: Josh

REGULATIONS: Maria

PROJECTS: Megha

IT SUPPORT: Jason, IT Team

Placarding Bar

AU HD Team

AU HD Team

Our Chemwatch Helpdesk team is dedicated to helping you make the most of your Chemwatch system. Whether you need a reminder on how to perform a task in your Chemwatch application, suspect there may be an issue with system functionality, or want to access additional resources like eLearning modules or user guides, our team is here to assist you. Reach out to us with any questions or concerns, and we'll be happy to provide the support you need!

Contact Phone: +61 3 9573 3138 or +61 3 9573 3140

Cancel

25 Items per page

Group Own By: ☒ Document ☐ CW No ☐ No Grouping

Hazards / Data Filters

Data available:

- ☐ Chemwatch 67
- ☐ Vendor 25
- ☐ Alternative CIL 13
- ☐ Alternative Regions 8

Vendors:

- ☐ Chemwatch 46
- ☐ Merck Life Science (Sigma-Aldrich) 8
- ☐ Sigma-Aldrich (Merck) 3
- ☐ Actrol Parts (a division of GSA Industries) 2
- ☐ Thermo Fisher Scientific (Fermentas) 2

----- Show More

Countries:

- ☐ Australia 59
- ☐ United States of America 4
- ☐ Belgium 3
- ☐ United Kingdom of Great Britain and Northern Ireland 2

Clear filters

1-25 / 47

Live Help Chat

CHEMWATCH

CUSTOMER SERVICE: AU CS Team

HELPDESK: AU HD Team

CHEMIST: Josh

REGULATIONS: Maria

PROJECTS: Megha

IT SUPPORT: Jason, IT Team

What happens after closing a chat?

Generally, chat conversation that require follow up action are created as support ticket, and a notification email is sent to the requester for tracking any ticket updates until the ticket is completed.

1.0 Introduction

GoldFFX is a Chemwatch web application developed for the professional management of chemical inventory, SDS for chemicals used, handled, stored, or transported at the workplace, generating labels for chemical containers, creating mixtures, performing risk assessments, generating reports and many more features.

1.1 Application Modules

The GoldFFX package is amalgamated into the following **Modules and Features** based on the administrator profile modules.

Recap on Modules

 Home	 Registration Request
 Risk Assessment	 Analytics
 Label Designer	 Settings
 Credo	

Modular Details & Features

 Home • Search for materials • Create a digital Manifest to mirror your sites • Add materials and edit quantities • Create report templates to export data • Print, Share or Download lists and SDS • Documents and Alerts	 Risk Assessment • Health risk assessments (ILO model) • UN (Storage) risk assessments • Risk assessment reports • Risk assessment Jobs • Jobs reports • Access Vendor SDS, Mini SDS, Control Sheets
 Label Designer • Create a new document template • Create a new label template • Create a custom label template • Generate a label for material	 Credo <i>(AuthorTe is optional)</i> • Create a new mixture • Add mixture into your folders • Generate Mini SDS and Labels
 Settings <i>Not included in this user guide</i> • General Settings	 Registration Request • Inventory Request

• SDS Settings • User Management • Risk Assessment Settings • Outgoing SDS Settings • Form Builder Settings • Sisot Settings • Industrial Hygiene Settings • Integrations	• Approval SDS Request • Submit Inventory List • Upload SDS in bulk Identify folder location by area, section, location (storage folders)
 Analytics • Create dashboards to generate information and statistical data • Create widgets based on the type of datapoints • User graphical representation of analytical data • Generate dashboard reports	Features • Hazards and Dangerous Goods Filters • Query Builder • Method Builder • Form Builder • Regulatory Reports • Simple and Advanced grid view • Show subfolders • Heat mapping

Features

 Tags • Create/edit manual or automatic tags for materials • Filter the inventory list by specific tags • Print, share or download tagged materials • Associate (Share) automatic tags with Query Builder	 Manifest and Hazards • Filter materials by hazard rating • Filter materials by chemical hazard types • Sort by Dangerous Goods • Sort by Regulatory Burden • View chemical Hazard Summary (tooltip)
 Form Builder • Create form templates • Define type of form • Add standard and fancy fields • Set language • Export form filled data	 Query Builder • Create search queries • Use search methods to query the database • User search operands to query the database • Query ingredients • Share queries with automatic tags

**Report Generator**

- Create a template using specific datapoints
- Use a theme and format for your report
- Export data in various formats

**Download SDS & Data**

- Print, share or download a list of materials
- Print, share or download SDS
- Print, share or download labels
- Print, share or download a Manifest

**Feature Meter**

- Switch user interface based on skill level
- View materials grid using Simple or Advanced mode

**Folder Management**

- Create and edit folders
- Create a Manifest based on your site map
- Apply folder properties
- View folder history
- Generate folder location data
- Heat map
- Inventory QR

2.0 Simple 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 by Cat Name
- Search for material by Vendor Name
- Search for material from Own inventory
- Search for material to display a Vendor SDS from Own inventory
- Search for material using Advanced options
- Search for material and group the resultant list



The Chemwatch database contains millions of SDS. Any term search conducted in the full collection may result in numerous materials especially if the search term is found to be an ingredient in multiple materials. Elastic search is used as the main search index for the application. The benefits of elastic search are:

- Powerful and most advanced technology
- Reliable and scalable
- Faster searches and improved performance
- Accuracy of the search engine
- More presentable search results, easier to read and comprehend the data

Searching for materials can be achieved through the various search modes available in the search panel. The search panel contains the following search modes:

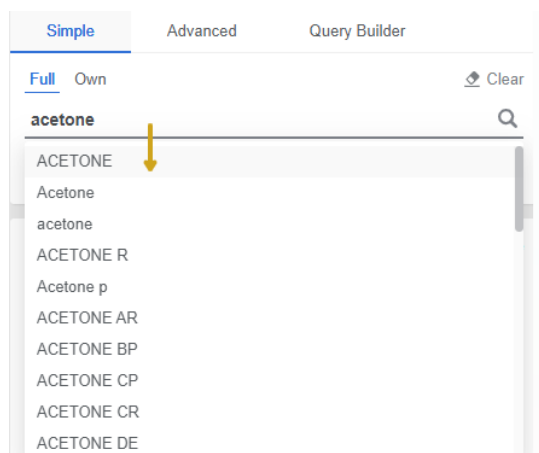
- Simple
- Advanced
- Query Builder

The table below provides a summary of the search modes.

Search Mode	Details
Simple	Search for materials by material name or product name, CAS No. or CW No.
Advanced	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.
Query Builder	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.

There are two types of reference database searches: namely, **Full** and **Own**.

Reference Search	Description
<u>Full</u>	This is the Chemwatch full search engine, entire collection of millions of SDS for pure chemicals, mixtures, and products. The full search is applicable in simple, advanced and query builder modes.
<u>Own</u>	This is the customers' own reference inventory, or your own materials registered in the Chemwatch database. The own search is applicable in Simple, Advanced and Query Builder modes.
Autocomplete	Autocomplete search is applied to both the Full and Own search engines. It enables users to quickly pick distinct variants of possible material names drawn from the search term to find exact or close matches.



Search results will show all the material levels:

- Material names
- Cat names
- Grouping by CW number

The information will be presented on a grid.

- Material Name - CAS No - CW No	- Vendor - Country - Language
--	---

☐	Material Name	CW No	Vendor	Country	Lang...	CAS No	Issue Date
☐	☒ acetone	1090	Chemwatch	- ANY -	- ANY -	67-64-1	—
☐	☒ Acetone	4088-849	AdvanSix	USA	EN	—	—
☐	☒ Acetone	21934	Sigma-Aldrich (Merck)	GBR	EN	67-68-5	—
☐	☒ Acetone	1230	Greenfield Global	USA	EN	—	—
☐	Damar Acetone	5016-94	Chemwatch	- ANY -	- ANY -	Not Applicable	10/12/2021
☐	☒ furfuryl acetone	7112-82	Chemwatch	- ANY -	- ANY -	623-15-4	—
☐	☒ benzoylacetone	50807	Chemwatch	- ANY -	- ANY -	93-91-4	—
☐	citronellyl acetone	4186747	Chemwatch	- ANY -	- ANY -	4433-36-7	23/02/2020
☐	☒ thioacetone	4201-46	Chemwatch	- ANY -	- ANY -	4756-05-2	—
☐	BDH Acetone	6066-24	Chemwatch	- ANY -	- ANY -	Not Applicable	10/03/2023

The search results grid displays a slide panel on the right hand-side layer of the user interface to further filter the data by:

- Grouping by CW No. - Group own by Document - Classification data availability; Gold, No Data, VGD	- Vendors - Countries - Languages
---	---

☐	Material Name	CW No	Vendor	Country	Lang...	CAS No	Issue Date
☐	☒ acetone	1090	Chemwatch	- ANY -	- ANY -	67-64-1	—
☐	☒ Acetone	4088-849	AdvanSix	USA	EN	—	—
☐	☒ Acetone	21934	Sigma-Aldrich (Merck)	GBR	EN	67-68-5	—
☐	☒ Acetone	1230	Greenfield Global	USA	EN	—	—
☐	Damar Acetone	5016-94	Chemwatch	- ANY -	- ANY -	Not Applicable	10/12/2021
☐	☒ furfuryl acetone	7112-82	Chemwatch	- ANY -	- ANY -	623-15-4	—
☐	☒ benzoylacetone	50807	Chemwatch	- ANY -	- ANY -	93-91-4	—
☐	citronellyl acetone	4186747	Chemwatch	- ANY -	- ANY -	4433-36-7	23/02/2020
☐	☒ thioacetone	4201-46	Chemwatch	- ANY -	- ANY -	4756-05-2	—
☐	BDH Acetone	6066-24	Chemwatch	- ANY -	- ANY -	Not Applicable	10/03/2023
☐	☒ Acetyl Acetone	2310	Alfa Aesar (a part of Thermo Fisher Scientific)	USA	ES	—	—
☐	☒ Benzylacetone	39405	Fisher Scientific	FRA	FR	—	—
☐	☒ Ledipasvir acetone	78-1187	BLD Pharmatech	DEU	EN	—	—
☐	☒ Hydroxyacetone	39268-7	BLD Pharmatech	CHN	EN	—	—
☐	☒ Acetone azine	31257-5	AHH Chemical	CHN	EN	—	—
☐	☒ Fluoroacetone	39841-7	Acros Organics (part of Thermo Fisher Scientific)	FRA	FR	—	—
☐	☒ Piperonyl acetone	4047-36	ApexBio	USA	EN	—	—
☐	☒ Acetone Standard	2722430	Restek	GBR	EN	—	—
☐	Nitroacetone	10-23752	Dinocem	CHN	EN	—	26/09/2017
☐	☒ Acetone-d7	1090-1	Alfa Aesar (a part of Thermo Fisher Scientific)	FIN	FI	—	—
☐	☒ GERANYL ACETONE	68488-4	Penta International	USA	EN	—	—

☒ Grouping by CW No
☐ Exact match sort
Classification available
☐ Chemwatch 450
☐ Vendor 47174
Vendors
☐ Sigma-Aldrich (Merck) 3868
☐ Thermo Fisher (Kandel) 3031
☐ Tokyo Chemical Industry Co (TCI Europe) 2906
☐ Acros Organics (part of Thermo Fisher Scientific) 1672
☐ Alfa Aesar (a part of Thermo Fisher Scientific) 1757
[Show More](#)
Countries
☐ United States of America 10995
☐ United Kingdom of Great Britain and Northern Ireland 3649
☐ Canada 3107
☐ Germany 2816
☐ Australia 2516
[Clear filters](#)

25 Items per page
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The table below provides descriptions of the side panel's filter options.

Side Panel Filter

Description

Grouping by CW number	Search results will be grouped by Chemwatch number for the found materials. If this filter checkbox ☐ is unchecked, the grid will display the respective corresponding products (cat names).
Exact match sort	If the checkbox is checked ☐ the grid will be sorted by exact chemical match name.
Classification available	Filter ☐ the list on the grid by using the Chemwatch classification option to list the material.
Vendors	If the checkbox is checked ☐ for a specific manufacturer, the grid will be sorted by exact vendor name.
Countries	If the checkbox is checked ☐ for a specific country, the materials grid will be sorted by exact country.
Languages	If the checkbox is checked ☐ for a specific country, the materials grid will be sorted by exact language.

Search Results and Grouping Method

The Full/Own search results can be grouped by CW No, Document or No Grouping method from the side panel.

Full Search Results List Grouping	Own Search Results List Grouping
Grouping by CW No (Chemwatch Number) The user interface grid default setting is set to view the grid's material list by Material Name, the grouping by 'CW No' applies for a material that has multiple Vendor SDS documents.	Group Own by: This type of grouping enables users to group their own products by: • Document • No Grouping The grid view can also be set to default to any of the above type of grouping through the General Settings mode.
☒ Grouping by CW No ☐ Exact match sort	Group Own By ☒ Document ☐ CW No ☐ No Grouping
In the Full search results list, use the dropdown blue arrow  alongside the material to expand the material to view  available Vendor documents listing.	In the Own search results list, use the dropdown blue arrow  alongside the material to expand the material to view  available Vendor documents listing.

Material Name ▾	CW No ▾	Vendor ▾	Material Name ▾
acetone	1090	Chemwatch	Acetone
ACETONE 1% w/v SOLUTION	1090	Central Drug House	Acetone Vendor Documents
ACETONE 1% w/v SOLUTION	1090	Central Drug House	29/03/2020 07/11/2020
acetone	1090	Guangzhou Haoying Chem	Acetone
			29/03/2020 07/11/2020

Date 1: This is the Vendor SDS Issue Date

Date 2: This is the Data Extraction Date

2.1 Search by Material Name

Searching by material name encompasses a look up of a chemical, product, or any material in the Chemwatch database. Generally, materials range from pure substances, chemical products from the marketplace, industrial chemicals, regulated substances, prohibited chemicals, agricultural chemicals, veterinary substances, medicines, chemicals used for scientific research purposes, and many more types of materials. Materials in the Chemwatch collection are linked to SDS.

GHS classifies chemicals by types of hazards to help communicate information about hazardous chemicals on SDS and labels. Searching for chemicals in the Chemwatch database enables users to find chemicals and generate SDS, labels and hazard information. This internationally recognised system of hazardous chemicals classification has nine pictograms that represent physical, health and environmental hazards. Manufacturers and importers of chemicals must review and revise the SDS and labels if the classification of the chemical changes. The system provides users with the ability to search for the current or latest SDS for materials registered in the Chemwatch full collection.

i If the material, 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 the vendor SDS through the email address below and ensure to attach the latest version of the SDS; msdsuploads@chemwatch.net.

The following steps show how to conduct a simple search by autocomplete look up method for a vendor SDS by using the material name search parameter from the Chemwatch full collection.

Steps: Search in Full and Add Material SDS

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **material name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **magnifying glass**  to conduct the search based on the set parameters.
8. Select **Vendor** checkbox ☐ on the side panel to filter the materials list further to specific manufacturer(s), e.g., Sigma Aldrich.
9. **Country checkbox** has already been preselected based on the search parameters set. More countries may be

added to further filter by those specific countries.

The screenshot shows the Chemwatch GoldFFX interface. On the left, a sidebar displays a folder structure under 'All materials for beehivevedic', including 'Global Sites', 'NSW', 'VIC', 'Head Office', 'Cafe', 'Cleaning Storeroom', 'Common Storeroom', 'First Aid Room', 'Maintenance Cupboard', 'Stock Area', and 'Toilet'. The main search panel shows 'acetone' as the search term, with filters for 'Australia' and 'English'. The search results table lists materials, vendors, and countries. The right sidebar shows filters for 'Grouping by CW No', 'Exact match sort', 'Classification available', 'Vendor', 'Countries', and 'Language'.

10. Hover **Drag** and drop document name to a specific folder location, e.g., Storage Folder.

11. Click on the **Folder name** to view the record.

12. Press the **Clear** button located on the search panel.

A message confirms the addition of material into folder.

Success
Material(s) has been added.

The screenshot shows the Chemwatch GoldFFX interface. On the left, a sidebar displays a folder structure under 'All materials for beehivevedic', including 'Global Sites', 'NSW', 'VIC', 'Head Office', 'Cafe', 'Cleaning Storeroom', 'Common Storeroom', 'First Aid Room', 'Maintenance Cupboard', 'Stock Area', and 'Toilet'. The main search panel shows 'acetone' as the search term, with filters for 'Australia' and 'English'. The search results table lists materials, vendors, and countries. The right sidebar shows filters for 'Grouping by CW No', 'Exact match sort', 'Classification available', 'Vendor', 'Countries', and 'Language'.

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 an email request to upload vendor SDS and ensure to attach the latest version of the SDS: msdsuploads@chemwatch.net.

2.2 Display Main and Alternative Documents and Labels

When viewing a Vendor SDS, the side panel provides display options for the types of documents to switch SDS display:

- Main documents
- Alternative documents

Documents

Details

Main Documents

SDS – This option opens the selected material (colour coded) Safety Data Sheet for either **Chemwatch Gold SDS** (material colour code orange circle on the grid) or **Vendor SDS** (colour coded with a blue circle on the grid).

The screenshot displays a Vendor SDS for Acetone from Sigma-Aldrich. The document is titled 'SAFETY DATA SHEET' and includes the following sections:

- SECTION 1: IDENTIFICATION**
 - 1.1 Product identifiers**
 - Product name: Acetone
 - Product Number: 650501
 - 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: Merck Life Science Pty Ltd
 - Address: Ground Floor, Building 1, 885 Mountain Highway, BAYSWATER VIC 3153, AUSTRALIA
 - Telephone: +61 1800 800 097
 - E-mail address: customersupport.anz@merckgroup.com
 - 1.5 Emergency telephone number**

The right sidebar shows a list of documents under 'Main Documents' and 'Alternative Documents'.

Main Documents

- SDS
 - Issue Date: 10/09/2025, 06/06/2024, 24/05/2023, 21/03/2023
 - Show More
- MINI Australia / English
- LABEL

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

- HPD
- EPD

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This document has been generated based on Vendor data and the content of it is not reviewed by Chemwatch, so some parts of this document may be incomplete.

Chemwatch: 1090
Chemwatch Hazard Alert Code: 3

GHS MINI

Acetone

INGREDIENTS	CAS NO	%	8HR OEL
acetone	67-64-1	>=60-<=100	594 mg/m3

GHS



DG

UN No: 1090
 Hazchem Code: •2YE
 DG Class: 3
 Subsidiary Hazard: **Not Applicable**
 Packing Group: II
 Poisons Schedule: **Not Applicable**

HEALTH HAZARD INFORMATION



Signal word: **Danger**

Hazard statement(s):	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. AUH066 Repeated exposure may cause skin dryness and cracking.
-----------------------------	--

Precautionary statements(s): Response

In case of fire: Use ... to extinguish.

If eye irritation persists: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Precautionary statements(s): Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Store in a well-ventilated place. Keep cool.

Precautionary statements(s): Disposal

Dispose of contents/container to ...

PRECAUTIONS FOR USE



Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Chemwatch SDS option opens the Gold SDS.

Chemwatch MINI displays the Mini SDS (hazard summary).

- Gold SDS
- Vendor SDS
- Mini SDS
- Labels

Gold SDS

The Gold SDS is a Chemwatch independently authored Safety Data Sheet which contains the latest regulatory classifications. All regulated formats support GHS, REACH, Chinese, Japanese, Korean, NZ, etc, in 49 languages. All Gold SDS are colour coded in accordance with the Chemwatch hazard rating criteria; flammability, toxicity, body contact, reactivity and chronic, concluded as:

	Minimum/Non-hazardous
	Low
	Moderate
	High
	Extreme

A Vendor SDS is a manufacturer's Safety Data Sheet for the product sold in the global marketplace. This type of document is subject to legal interpretation where applicable. The latest vendor SDS must be not more than five years old to meet requirements (must be up to date).

Document Type & Description

Mini SDS

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, NZ, etc., in 49 languages. All Gold SDS are colour coded in accordance with the Chemwatch hazard rating criteria; flammability, toxicity, body contact, reactivity and chronic, concluded as:

	Minimum/non-hazardous
	Low
	Moderate
	High
	Extreme

Labels

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, Label Designer 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.

i If the material has a question mark icon for the hazard rating on the grid, this means that there's no data extracted available yet and there will no Gold SDS, Mini or Labels unless user performs a user data extraction manually (UGD).

For full descriptions of the Alternative Documents, go to the Appendix.

2.3 Search for Material to Display a Gold SDS

The following steps demonstrate **how to use simple search** 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 to get a Gold SDS authored. Note that this task may incur costs.

The following steps show how to search and display a Gold SDS from the materials search results.

Steps: Search for a Material and Display a Gold SDS

The screenshot shows the Chemwatch search interface. On the left, a sidebar contains a 'Home' button (1) and a 'Simple' tab (2). Below the tab, the 'Full' search path is selected (3). The search text 'acetone' is entered in the search field (4). The 'Country' filter is set to 'Australia' (5) and the 'Language' filter is set to 'English' (6). A magnifying glass icon (7) is used to initiate the search. On the right, the 'Vendor' checkbox is selected (8) and the 'Grouping by CW No' filter is selected (9). The search results table displays various materials, including 'Aldrich Acetone 99.5%' and 'SCA Acetone'. A blue circle (10) highlights the 'Vendor' column, and an orange circle (11) highlights the 'Material Name' column. A clear button (11) is located at the bottom right of the search panel.

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **material name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **magnifying glass**  to conduct the search based on the set parameters.
8. Select **Vendor** checkbox on the side panel to filter the materials list by Chemwatch.
9. Select the **Grouping by CW No** filter.
10. Click the **material name** alongside the vendor record's **orange circle** to render the Gold SDS.
11. Press the clear button  located on the search panel.

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acetone

Product review by Chemwatch

Chemwatch: 1090
Version No: 6.1
Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 3
Initial Date: 28/11/2005
Revision Date: 23/12/2022
Print Date: 21/05/2026
S.GHS.AUS.EN

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

Product Identifier

Product 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, RF Services, RCRA Waste No. U002, EM000739, APS RETL00020006 UCH00002546 RDEH06009000, SPOL00000585 AR00000005 UL00000007 M&B00004946, Ashland Acetone ECD Mobil 878033 971934, J.T.Baker Chem-Supply, Product code: 11831, 101404: DAVID CRAIG ACETONE 500ML, 101405: DAVID CRAIG ACETONE 100ML
Chemical formula	CH3COCH3
Other means of identification	Not Available
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.
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Details of the manufacturer or importer of the safety data sheet

Registered company name	Product review by Chemwatch
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Main Documents
SDS
MINI Australia / English
LABEL

Alternative Documents
Chemwatch SDS
Chemwatch MINI
First Aid
PPE
Toxicological
Environmental
Fire Fighting
Spills
SOP
Advice to Doctor
CHINA

Special Documents
HPD
EPD

- i** The Gold SDS is a Chemwatch authored document. It is displayed as per the country, language and SDS format (GHS or Local) based on the respective SDS Settings parameters applied by default. The example of the Gold SDS above is based on the SDS settings set to Country = Australia, Language = English and SDS Format = GHS. These settings are applied based on the business jurisdictional parameters to ensure that the data meets the requirements for that country of operation. A Gold SDS can also be further customised in a few sections; some of the customisation may include your company or organisation's logo, first aid contact information.

Gold SDS Sections

Quick access to specific sections of the Gold SDS can be found through the Sections icon located on the top left corner of the Gold SDS. Select the Menu icon to open the **SDS Sections** list.

< Back Copy

Clear

Sections

- 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

Font Size

Small
Normal
Large

Visual Appearance

Base
Vanilla

Damar Acetone

Product review by Chemwatch

Chemwatch: 5016-94
Version No: 7.1
Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 3
Issue Date: 10/12/2021
Print Date: 08/04/2024
S.GHS.AUS.EN

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

Product Identifier

Product name	Damar Acetone
Synonyms	C3-H6-O CH3COCH3 aliphatic ketone, propanone pyroacetic acid pyroacetic ether 2-propanone, beta-ketopropane methyl ketone propan-2-one, dimethyl ketone ketone, dimethyl ketone propanone, dimethyl formaldehyde, lacquer enamel thinner
Proper shipping name	ACETONE
Chemical formula	Not Applicable
Other means of identification	Not Available

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

Relevant identified uses	Use according to manufacturer's directions.
--------------------------	---

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Product review by Chemwatch
Address	Australia
Telephone	Not Available
Fax	Not Available
Website	Not Available
Email	Not Available

Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone	+61 1800 951 288

Main Documents
SDS
MINI

The visual appearance of the Gold SDS is dependent on SDS Settings, and these settings can be set in the SDS Settings mode for the font size (**Small** - default), Normal, Large) and set the visual appearance as **Base** or 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.

The screenshot shows a Gold SDS for acetone. On the left, a sidebar menu has 'Large' selected under 'Font Size'. The main content area displays the SDS details for acetone, including product identifier, synonyms, chemical formula, and relevant identified uses. The text is rendered in a larger font size compared to the default 'Small' setting.

acetone
Product review by Chemwatch

Chemwatch: 1090
Version No: 6.1
Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Initial Date: 28/11/2005
Revision Date: 23/12/2022
Print Date: 21/05/2026
S.GHS.AUS.EN

Chemwatch Hazard Alert Code: 3

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

Product Identifier

Product 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 UL0000007 M&B00004946, Ashland Acetone ECD Mobil 878033 971934, J.T.Baker Chem-Supply, Product code: 11831, 101404: DAVID CRAIG ACETONE 500ML, 101405: DAVID CRAIG ACETONE 100ML
Chemical formula	CH3COCH3
Other means of identification	Not Available
CAS number	67-64-1

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

Relevant identified

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.

United Kingdom and Great Britain

SDS Settings - SDS Options

The screenshot shows the 'SDS Options' tab in the SDS Settings interface. It includes dropdown menus for Country (Australia), Language (English), Sentence Count (All), SDS Font Size (Small), Visual Appearance (Base), and Show Part Numbers (All). There is also a radio button for Display Format (Short/Long). A list of checkboxes for SDS Settings is shown on the right, with most options checked.

SDS Options

Country: Australia
Language: English
Sentence Count: All
SDS Font Size: Small
Visual Appearance: Base
Show Part Numbers: All
Display Format: ☒ Short ☐ Long

SDS Settings

- ☐ Trade names in synonyms on sds
- ☐ SDS for domestic use
- ☒ Safe storage with other chemicals
- ☒ Display part 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 Multiple CAS
- ☒ Chemwatch Hazard Ratings
- ☒ Hide ingredient substance toxicological data

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.

2.3.1 Display Preferred Vendor on Gold SDS

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



Multiple Vendors (manufacturers) details can be added 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) details for a selected material. Note that not all users may automatically have access to SDS Settings. Contact your domain administrator for more details.

- i** In the Preferred Vendor Settings Form users can apply the manufacturer details to any country of SDS. In your organisation, you may have the country and language already set for users, if such is the case, then you will only get the search results that are relevant to your filters set by the administrator of the system. However, there is a filter option in the search panel to set the country and language before performing the search to ensure that your search results are drawn from the database based on those parameters.

The form also provides the ability to flag a particular vendor as a primary vendor in the preferred vendor form. When this checkbox is selected, the preferred vendor will be displayed as the first one and display the manufacturer details in section 1 of the SDS.

Preferred Vendor on Gold SDS Section 1 - Manufacturer Details



Chemwatch

Chemwatch: 5016-94
Version No: 7.1
Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 10/12/2021
Print Date: 08/04/2024
S.GHS.AUS.EN

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

Product Identifier

Product name: Damar Acetone
 Synonyms: C3-H6-O CH3COCH3 aliphatic ketone, propanone pyroacetic acid pyroacetic ether 2-propanone, beta-ketopropane methyl ketone propan-2-one, dimethyl ketone ketone, dimethyl ketone propane, dimethyl formaldehyde, lacquer enamel thinner
 Proper shipping name: ACETONE
 Chemical formula: Not Applicable
 Other means of identification: Not Available

Relevant identified uses of the substance or mixture and uses advised against
 Relevant identified uses: Use according to manufacturer's directions.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Chemwatch
Address	1227 Glen Huntly Rd 3163 Victoria Australia
Telephone	+6139573100
Fax	Not Available
Website	Not Available
Email	helpdesk@chemwatch.net

Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	+61 1800 951 288
Other emergency telephone numbers	+61 3 9573 3188

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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.



Chemwatch2

Chemwatch2: 5016-94
Version No: 7.1
Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 10/12/2021
Print Date: 08/04/2024
S.GHS.AUS.EN

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

Product Identifier

Product name: Damar Acetone
 Synonyms: C3-H6-O CH3COCH3 aliphatic ketone, propanone pyroacetic acid pyroacetic ether 2-propanone, beta-ketopropane methyl ketone propan-2-one, dimethyl ketone ketone, dimethyl ketone propane, dimethyl formaldehyde, lacquer enamel thinner
 Proper shipping name: ACETONE
 Chemical formula: Not Applicable
 Other means of identification: Not Available

Relevant identified uses of the substance or mixture and uses advised against
 Relevant identified uses: Use according to manufacturer's directions.

Manufacturer Details 2

Manufacturer Details 1

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Chemwatch2	Chemwatch
Address	1227 Glen Huntly Rd 3163 Victoria Australia	1227 Glen Huntly Rd 3163 Victoria Australia
Telephone	+61395733100	+6139573100
Fax	Not Available	Not Available
Website	www.chemwatch.net	Not Available
Email	Not Available	helpdesk@chemwatch.net

Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	+61 1800 951 288
Other emergency telephone numbers	+61 3 9573 3188

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

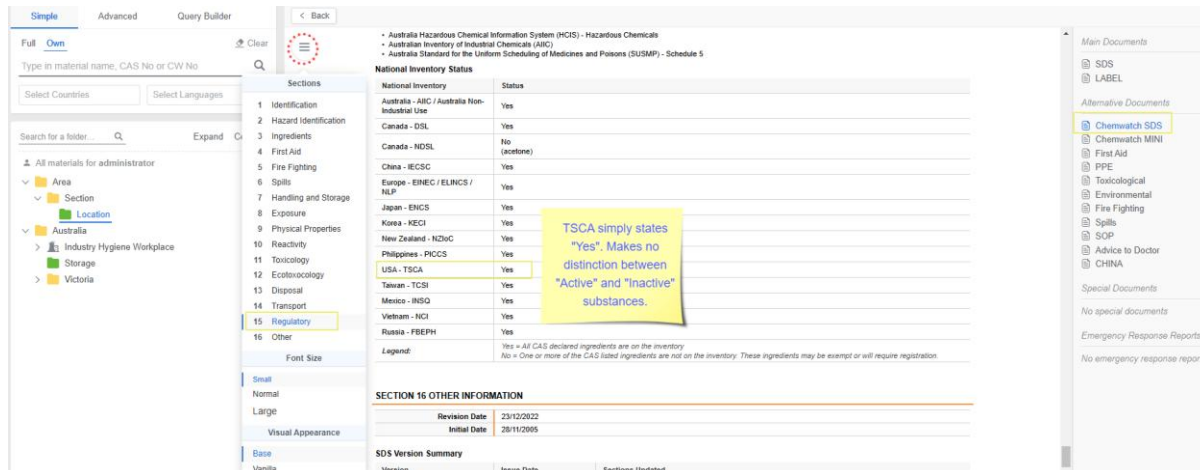
2.3.2 TSCA Inventory Status on Gold SDS

In the 2023 regulatory updates, substances listed as "active" on the TSCA Inventory can now be manufactured, imported, or processed without prior notification. On the other hand, substances classified as "inactive" must be reported to the US EPA before use. Previously, a substance could be marked with a "Yes" for TSCA compliance while being inactive, but now the system will explicitly label substances as either "Active" or "Inactive" on the TSCA Inventory within the SDS. The inventory, which includes over 86,000 chemicals, encompasses organics, inorganics, polymers, and UVCBs (unknown or variable composition, complex reaction products, and biological materials). The TSCA Inventory is a key tool for regulating most industrial chemicals in the U.S.

Show the USA-TSCA on SDS

1. Open a material **Chemwatch (Gold) SDS** for country **USA** and language in the Home module.
2. Click the **SDS Menu Sectional Settings** icon  and select Section 15 (Regulatory Information).
3. Scroll down to the USA-TSCA row.
4. Note that the material is rendered as **USA-TSCA "Yes"** in this worked example. If the mixture is not listed in the TSCA Inventory, it will be rendered as a "No". See image of the SDS section 15 below.

TSCA = Yes



The screenshot displays the Chemwatch SDS interface. On the left, a sidebar shows 'Sections' with '15 Regulatory' selected. The main content area shows the 'National Inventory Status' table. A yellow callout box highlights the 'USA - TSCA' row, which is marked 'Yes'. The callout text reads: 'TSCA simply states "Yes". Makes no distinction between "Active" and "Inactive" substances.'

National Inventory	Status
Australia - AHC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (sections)
China - IECSC	Yes
Europe - ENEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZSIC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPI	Yes

Legend: Yes = All CAS declared ingredients are on the inventory. No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 15 OTHER INFORMATION

Revision Date	Initial Date
23/12/2022	28/11/2005

SDS Version Summary

Version	Issue Date	Sections Updated
Vanilla		

2.3.4 TEEL Emergency Limits on SDS

The SDS includes United States TEEL (Temporary Emergency Exposure Limits) for substances in Section 8. Clients have argued that this information is not relevant and should be removed from the non-US SDS. To enhance user convenience, a jurisdiction setting has been implemented to allow users to choose whether to display or hide this data based on jurisdictional location.

TEELs are guidelines designed to predict the emergency response of the public to different concentrations of a chemical during an emergency response incident. They estimate the

concentrations at which most people will begin to experience health affects due to hazardous airborne chemical exposure for a specific duration. Chemicals may have up to three TEEL values which corresponds to specific tier of health effects” TEEL-1, TEEL-2, and TEEL-3.

TEEL Tier	Description	Exposure
TEEL-3	Airborne concentration expressed as ppm [part per million] or [mg/m ³] [milligrams per cubic meter] of a substance	>1hour could experience life-threatening adverse health effects.
TEEL-2	Airborne concentration expressed as ppm [part per million] or [mg/m ³] [milligrams per cubic meter] of a substance	>1hour could experience life-irreversible or other serious, long-lasting, adverse health effects or impaired ability to escape.
TEEL-1	Airborne concentration expressed as ppm [part per million] or [mg/m ³] [milligrams per cubic meter] of a substance	>1hour could experience notable discomfort, irritation or certain asymptotic, non-sensory effects, not disabling and reversible upon cessation of exposure.

SDS Display – Section 8: Exposure Controls/Personal Protection

The screenshot displays the Chemwatch SDS interface. On the left, a sidebar shows a search bar and a list of materials categorized by region (Australia, New South Wales, etc.) and type (Civil, Industrial, etc.). The main content area is titled 'SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION'. It includes sections for 'Control parameters', 'OCCUPATIONAL EXPOSURE LIMITS (OEL)', 'EMERGENCY LIMITS', and 'OCCUPATIONAL EXPOSURE BANDING'. The 'EMERGENCY LIMITS' table shows TEEL-1, TEEL-2, and TEEL-3 values for ammonia. The 'OCCUPATIONAL EXPOSURE BANDING' table shows the Occupational Exposure Band Rating for ammonia. Below these tables, there is a 'Notes' section and an 'Exposure controls' section with detailed text on engineering controls, ventilation, and PPE requirements.

2.4 Search for Material to Display a Vendor SDS

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

- 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.

Steps: Search for a Material and Display a Vendor SDS

The screenshot shows the Chemwatch GoldFFX interface. On the left, there's a 'Query Builder' with tabs for 'Simple' (selected) and 'Advanced'. Below the tabs are search filters: 'Full' (selected), 'Own', 'Acetone' (in the search bar), 'Australia' (selected for Country), and 'English' (selected for Language). A magnifying glass icon is next to the search bar. Below the search bar is a list of folders: 'All materials for administrator', 'Australia', 'New Zealand', 'Waste Dispatch Area', and 'Waste Intermediate Area'. The main table displays search results with columns: Material Name, CW No., Vendor, Country, Lang., CAS No., and Issue Date. The first row is 'Acetone for analysis EMPARTAACS' with CW No. 1090, Vendor 'Merck (Sigma-Aldrich)', Country 'AUS', and Language 'EN'. The second row is 'ACETONE' with CW No. 1090, Vendor 'Merck Life Science (Sigma-Aldrich)', Country 'AUS', and Language 'EN'. The right sidebar shows filters for 'Grouping by CW No.' (deselected), 'Exact match sort', 'Data available' (Chemwatch 480, Vendor 1613), 'Vendors' (Chemwatch 480, Sigma-Aldrich (Merck) 316, Merck Life Science (Sigma-Aldrich) 295, Redox Pty Ltd 60, Thermo Fisher Scientific 58), 'Countries' (United States of America 6064, United Kingdom of Great Britain and Northern Ireland 3550, Canada 1625, Australia 1613, China 1444), and 'Languages' (English 1613). At the bottom, there's a 'Clear filters' button.

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **material name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **magnifying glass**  to conduct the search based on the set parameters.
8. Select **Vendor** checkbox on the side panel to filter the materials list by Classification available, e.g. VGD (Vendor Generated Data).
9. Select **Vendors** checkbox on the side panel to filter the materials list by specific vendor.
10. Deselect the **Grouping by CW No** filter.
11. Click the **material name** alongside the vendor record's **blue circle** to render the Vendor SDS.
12. Press the clear button  located on the search panel.

Sigma-Aldrich

SAFETY DATA SHEET

Version 5.4
Revision Date 31.03.2026
Print Date 01.04.2026

SECTION 1: IDENTIFICATION

1.1 Product name : Acetone

Product Number : 32201
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 : Merck Life Science Pty Ltd
Ground Floor, Building 1, 885 Mountain Highway
BAYSWATER VIC 3153
AUSTRALIA
Telephone : +61 1800 800 097
E-mail address : customersupport.anz@merckgroup.com

1.5 Emergency telephone number

Main Documents

SDS
Issue Date:
31/03/2026 06/11/2024
28/05/2024 12/10/2023
[Show More](#)

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

No special documents

Emergency Response Reports

No emergency response reports

- 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 manufacturer details are found in section 1 (Identification) of SDS.

2.5 Search for Material to Display a Mini SDS

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

- i** A Chemwatch 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.

Steps: Search for a Material and Display a Chemwatch Mini SDS

The screenshot shows the Chemwatch Query Builder interface. On the left, there are tabs for 'Simple' (selected) and 'Advanced'. Below the tabs, there are search filters: 'Full' (selected), 'Own', 'Acetone', 'Australia' (selected), and 'English' (selected). A search bar contains 'Acetone'. On the right, there is a list of materials with columns for Material Name, CW No, Vendor, Country, Lang, CAS No, and Issue Date. The first material is 'Acetone for analysis EMPARTAACS' with CW No 1090, Vendor Merck (Sigma-Aldrich), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 02/04/2026. The second material is 'ACETONE' with CW No 1090, Vendor Merck Life Science (Sigma-Aldrich), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 31/03/2026. The third material is 'probutol' with CW No 6056-04, Vendor Chemwatch, Country ANY, Lang ANY, CAS No 23288-49-5, and Issue Date 26/02/2026. The fourth material is 'Accustandard Fipronil Desulfinyl in Acetone' with CW No 4990394, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 25/02/2026. The fifth material is 'Buckley Acetone 98-2 Blend' with CW No 9849-753, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 13/02/2026. The sixth material is 'Sigma-Aldrich Lung Acetone Powder From Rat' with CW No 6512474, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 02/02/2026. The seventh material is 'Sigma-Aldrich Liver Acetone Powder From Lungfish' with CW No 1151427, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 02/02/2026. The eighth material is 'Sigma-Aldrich Liver Acetone Powder From Mouse' with CW No 2132553, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 02/02/2026. The ninth material is 'Acetone' with CW No 1090, Vendor Hach (a part of Veralto), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 21/01/2026. The tenth material is 'Hexafluoroacetone' with CW No 39885-4, Vendor Merck (Sigma-Aldrich), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 07/01/2026. The eleventh material is 'Acetone' with CW No 1090, Vendor Thermo Fisher Scientific, Country AUS, Lang EN, CAS No 67-64-1, and Issue Date 30/12/2025. The twelfth material is 'Acetone' with CW No 1090, Vendor Wilmar BioEthanol (Sucrogen BioEthanol), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 05/12/2025. The thirteenth material is 'Pro-Lab Diagnostics Grams Differentiator Acetone' with CW No 4410-104, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 03/12/2025. The fourteenth material is 'Organophosphorus Pesticide Mixture - 20 components; 2...' with CW No 3563-812, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 01/12/2025. The fifteenth material is 'Labmix24 Multi-component organic standard solution 15 ...' with CW No 7611-987, Vendor Chemwatch, Country ANY, Lang ANY, CAS No Not Applicable, and Issue Date 28/11/2025. The sixteenth material is 'Acetone (H18)' with CW No 1090, Vendor CHEMSUPPLY AUSTRALIA PTY LTD, Country AUS, Lang EN, CAS No 67-64-1, and Issue Date 17/11/2025. The seventeenth material is 'Dihydroxyacetone phosphate hemimagnesium salt hydrate' with CW No 65-7006, Vendor Merck Life Science (Sigma-Aldrich), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 06/11/2025. The eighteenth material is 'Dihydroxyacetone phosphate hemimagnesium salt hydrate' with CW No 65-7006, Vendor Merck Life Science (Sigma-Aldrich), Country AUS, Lang EN, CAS No Not Applicable, and Issue Date 06/11/2025. The nineteenth material is '1-(p-methoxyphenyl)-2-propanone' with CW No 4005-44, Vendor Chemwatch, Country ANY, Lang ANY, CAS No 122-84-9, and Issue Date 24/10/2025. On the right side of the interface, there are checkboxes for 'Grouping by CW No' (selected), 'Exact match sort', 'Data available' (Chemwatch 489, Vendor 1619), 'Vendors' (Chemwatch 489, Sigma-Aldrich (Merck) 316, Merck Life Science (Sigma-Aldrich) 265, Redox Pty Ltd 60, Thermo Fisher Scientific 59), 'Countries' (United States of America 8064, United Kingdom of Great Britain and Northern Ireland 3262, Canada 1625, Australia 1613, China 1444), and 'Languages' (English 1619). There is also a 'Clear filters' button.

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **material name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **magnifying glass**  to conduct the search based on the set parameters.
8. Select **Vendor** checkbox on the side panel to filter the materials list by Classification available, e.g. VGD (Vendor Generated Data).
9. Select **Vendors** checkbox on the side panel to filter the materials list by specific vendor.
10. Deselect the **Grouping by CW No** filter.
11. Click the **material name** alongside the vendor record's **blue circle** to render the Vendor SDS.
12. Select the **Chemwatch Mini SDS** option from the alternative documents on the side panel.
13. Press the clear button  located on the search panel.

The screenshot shows the Chemwatch Mini SDS for Acetone. The top bar displays 'Chemwatch: 1090' and 'Chemwatch Hazard Alert Code: 3'. The main content area is titled 'MINI SDS' and 'acetone'. It includes a table of ingredients with columns for INGREDIENTS, CAS NO, %, and 8HR OEL. The ingredients table shows 'acetone' with CAS NO 67-64-1, % 95-99.5, and 8HR OEL 594 mg/m3. Below the table, there are sections for GHS, DG, UN No: 1090, Hazchem Code: •2YE, DG Class: 3, Subsidiary Hazard: Not Applicable, Packing Group: II, and Poisons Schedule: S5. The GHS section shows hazard pictograms for highly flammable and highly irritant. The DG section shows a hazard diamond for 3. The UN No: 1090 section shows a hazard diamond for 3. The Hazchem Code: •2YE section shows a hazard diamond for 3. The DG Class: 3 section shows a hazard diamond for 3. The Subsidiary Hazard: Not Applicable section shows a hazard diamond for 3. The Packing Group: II section shows a hazard diamond for 3. The Poisons Schedule: S5 section shows a hazard diamond for 3. The HEALTH HAZARD INFORMATION section shows icons for eye, hand, and head. The Signal word: Danger section shows the word 'Danger'. The Hazard statement(s): section shows H225 Highly flammable liquid and vapour, H319 Causes serious eye irritation, H336 May cause drowsiness or dizziness, and AUH066 Repeated exposure may cause skin dryness and cracking. The PRECAUTIONS FOR USE section shows icons for eye, hand, head, and body. The Appropriate engineering controls: section shows 'Local Exhaust Ventilation recommended.' The PROPERTIES section shows 'Liquid. Mixes with water. Highly flammable.' The EMERGENCY section shows icons for first aid, fire fighting, and spills. The FIRST AID section shows 'Swallowed: Give water (if conscious). Seek medical advice.', 'Eye: Wash with running water.', 'Skin: Remove contaminated clothing. Wash with soap & water.', 'Inhaled: Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.', 'Advice To Doctor: No antidote. Supportive care.', and 'Fire Fighting: Keep containers cool. Water spray/ fog. Foam - alcohol type.' The Spills and Disposal section shows '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. 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'.

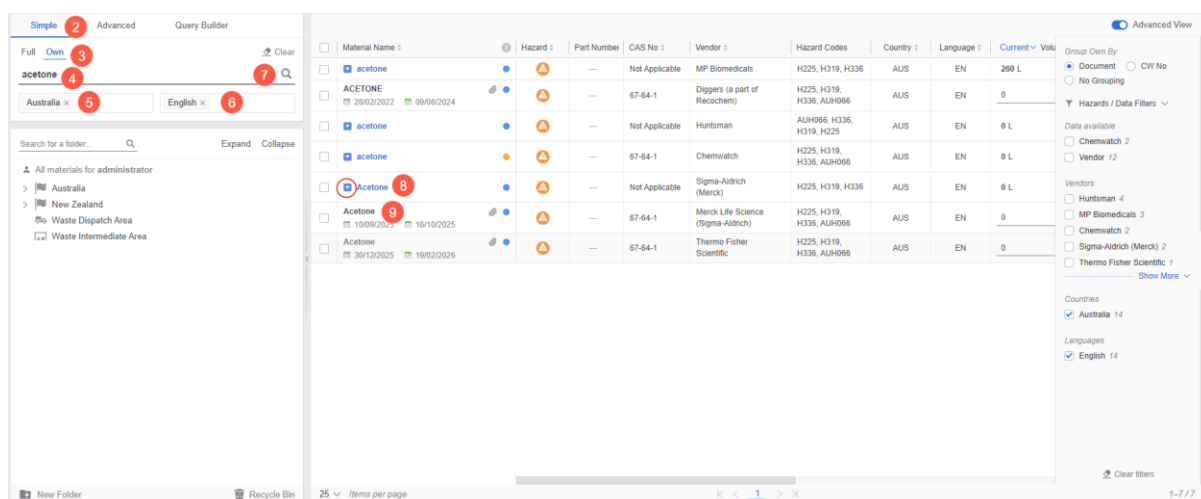
2.6 Search for Material to Display a Label

The following steps demonstrate how to use simple search to search for a material from the Own inventory in the Chemwatch database to display a label using one of the Chemwatch's 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: Search for a Material to Display a Label

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Own** link to designate the search path.
4. Type **material name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **magnifying glass**  to conduct the search based on the set parameters.
8. Click **Material** name from the search results. If there's more than one product under the same material name, the dropdown arrow will expand to view the respective product rows.
9. Click on the **Product** name to open the Vendor SDS.
10. Click the **Label** option under the main documents section on the side panel.
11. Press the clear button  located on the search panel.



The screenshot displays the Chemwatch Simple search interface. The search results table is as follows:

Material Name	Hazard	Part Number	CAS No	Vendor	Hazard Codes	Country	Language	Current	Vol
acetone			Not Applicable	MP Biomedicals	H225, H319, H336	AUS	EN	260 L	
ACETONE		67-64-1	67-64-1	Diggers (a part of Reacchem)	H225, H319, H336, AUH066	AUS	EN	0	
acetone			Not Applicable	Huntsman	AUH066, H336, H319, H225	AUS	EN	0 L	
acetone		67-64-1	67-64-1	Chemwatch	H225, H319, H336, AUH066	AUS	EN	0 L	
Acetone			Not Applicable	Sigma-Aldrich (Merck)	H225, H319, H336	AUS	EN	0 L	
Acetone		67-64-1	67-64-1	Merck Life Science (Sigma-Aldrich)	H225, H319, H336, AUH066	AUS	EN	0	
Acetone			67-64-1	Thermo Fisher Scientific	H225, H319, H336, AUH066	AUS	EN	0	

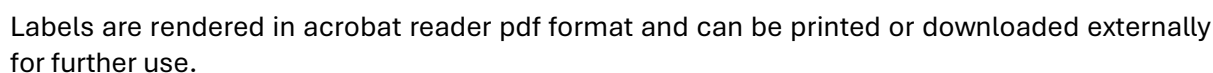
The interface includes filters for Country (Australia 14) and Language (English 14). The search panel on the left shows the search term 'acetone' and the selected filters.

Label Gallery

The label gallery contains two tabs: **Default** (Chemwatch Label Templates) and **User Defined** (Custom).

There are various label formats and sizes to choose from depending on the chemical container size. Products (chemicals) have different labelling requirements depending on their use in the workplace. Generally, chemicals are categorised as:

- Consumer-chemical products and labelling requirements must meet the Poison Standard
- Industrial chemicals labelling must follow the hazardous chemicals labelling requirements in accordance with GHS
- Agricultural and veterinary chemical products must meet the pesticides and veterinary medicines labelling codes



< Back

ACETONE / ACETON / ACETONE



Ingredients: acetone, 67-64-1, >=60-<=100%

DANGER

GHS H Phrases: Highly flammable liquid and vapour | Causes serious eye irritation | May cause drowsiness or dizziness | Repeated exposure may cause skin dryness and cracking.

GHS P Phrases (All): If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Use only outdoors or in a well-ventilated area. Wash ... thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Take action to prevent static discharges. Use non-sparking tools. Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment. Ground and bond container and receiving equipment. Keep container tightly closed. In case of fire: Use ... to extinguish. If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool. Dispose of ...

DANGER

GHS H Phrases: Highly flammable liquid and vapour | Causes serious eye irritation | May cause drowsiness or dizziness | Repeated exposure may cause skin dryness and cracking.

GHS P Phrases (All): If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Use only outdoors or in a well-ventilated area. Wash ... thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Take action to prevent static discharges. Use non-sparking tools. Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment. Ground and bond container and receiving equipment. Keep container tightly closed. In case of fire: Use ... to extinguish. If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool. Dispose of ...

DANGER

GHS H Phrases: Highly flammable liquid and vapour | Causes serious eye irritation | May cause drowsiness or dizziness | Repeated exposure may cause skin dryness and cracking.

Main Documents

- SDS
- MINI Australia / English
- LABEL

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

- HPD
- EFD

The next chapter covers the Advanced Search for materials.

3.0 Advanced Search for Materials

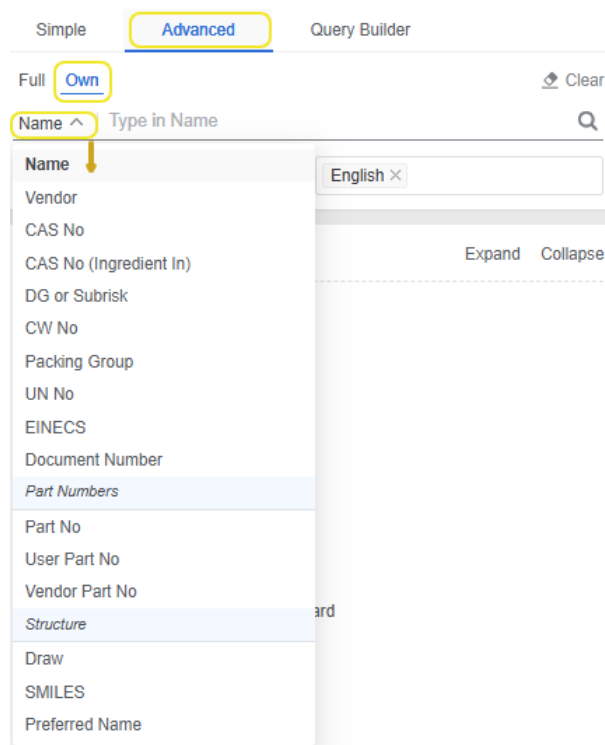
Generally, advanced search in the database provides users with targeted capabilities to efficiently retrieve information using specific search parameters, operators, and filters to narrow down the results based on a particular criterion. The system provides an **Advanced** search mode to enable users to search by specific parameters provided in the Name drop-down list Name ▾.

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 Molar Concentration
- Search for material by Vendor
- Search for material by Dangerous Good
- Search for material by Part No

WHAT
YOU'LL
LEARN

The **Advanced Search** method allows users to search for materials using a variety of parameters.



This section covers the context and steps on how to use the Advanced tab within the Search Panel to search for specific materials by using the specific search parameters. The table below lists the search options available in the Name drop down list and their descriptions.

Search Option	Description	Use (Search by)								
Name	Name of material	To allow users to search by the name of the material to retrieve Vendor, Mini, Gold SDS, Labels and Emergency Reports.								
CAS No	Chemical Abstract Substance Number	This is a unique numeric identifier in the CAS Registry designated to a known substance.								
CAS No (Ingredient In)	Ingredients In CAS No	Chemical Abstract Substance Number (CAS No) ingredients in material								
DG Class	Dangerous Goods Class	DG Classes 1 to 9 are listed to choose the primary class field.								
CW No	Chemwatch Number	Chemwatch numbers are assigned to all materials registered in the Chemwatch database for both pure and non-pure substances.								
Packing Group field (PKG)	Packing Group as per DG classification	Packing Group is the grading of danger for materials classed as dangerous goods. <table><tr><th>PG</th><th>Level of Danger</th></tr><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></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									
R-Code	Risk Code	Risk code is a hazard classification used to classify a substance.								
Sub Risk	Sub Risk	Sub Risk as per DG classification								
UN No	United Nations Number	UN No is a UN four-digit identity number that identifies a hazardous substance in the international transport framework.								
EINECS	EINECS number used in European countries	European Inventory of Existing Commercial Chemical Substances. These are substances considered phase-in substances under the REACH Regulation.								
Part No, User Part No, Vendor	User dependent part number, vendor part number	Vendor Part number assigned to a product or User assigned Part Number								
Vendor	Search for material using Vendor (Manufacturer, Supplier) name	Lists parent company and subsidiary operating business where applicable. Lists materials available in the database by for that particular company. Users can access Vendor, Mini, Gold, Labels and Emergency Reports.								
Structure	Draw a 2D molecular structure or use SMILES	Search the database by using a chemical molecular structure. Smiles strings can be used to search for specific material. SMILES is a Simplified Molecular Input								

Search Option	Description	Use (Search by)
		Line Entry System which is a language for representing chemical structures as linear.
Poison Schedule	The Standard for the Uniform Scheduling of Medicines and Poisons (Australia)	Poison schedule number between 1 and 10 to find available materials scheduled as medicines and poisons in the database.
Cat No	Catalog number	Product number (catalogue number)
FORMS	Forms	Search by using Forms
Ingredient Name/CAS (FD UGD)	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
Hazard Rating	Chemwatch hazard rating	Search by Chemwatch chemical hazard rating.

i 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. The Advanced search drop down menu when Full is selected provides a short list than when Own is selected from the search panel.

3.1 Search for Material by CAS No (CAS Number)

The steps below show how to use the Advanced search option, **CAS No.**, to look for a specific material with that exact chemical abstract substance number.

i Note that not all materials have a CAS number. CAS numbers are unique and specific to individual substances, provide an unmistakable way of identifying chemicals no matter how they might be described.

Steps: Search for a Material by CAS Number

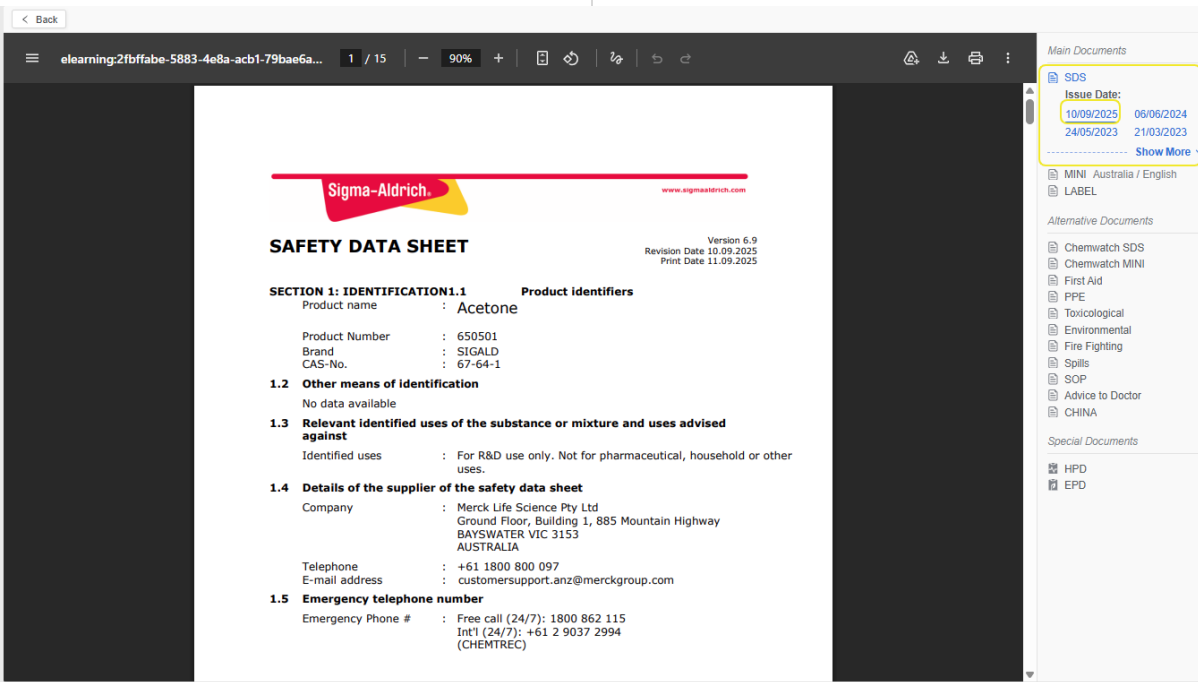
The screenshot shows the Chemwatch search interface. On the left, there is a search bar with a dropdown menu. The dropdown menu is open, showing options: Full, Own, and CAS No. The 'CAS No.' option is selected, and the search term '67-64-1' is entered. Below the search bar, there is a list of search results. The first result is 'ACETONE' with a CAS number of '67-64-1'. The second result is 'acetone' with a CAS number of '67-64-1'. The third result is 'Acetone' with a CAS number of '67-64-1'. The fourth result is 'Acetone' with a CAS number of '67-64-1'. The search results are displayed in a table with columns: Material Name, Hazard, Part Number, CAS No., Vendor, Hazard Codes, Country, Language, Current, Volume, and Material Tags.

1. Open **Home** module .
2. Click on **the Advanced** tab.
3. Select **Full** link to designate the search path.
4. Click the **Name drop down** arrow and select **CAS No** parameter from the menu.
5. **Type the CAS number** in the search text field, e.g., 67-64-1.
6. Click on **Magnifying Glass**  to conduct the search.

7. Click the **Material name** from the search results list to display Vendor SDS.

Note that the side panel will display the respective filter options to narrow down the search results:

- *Vendors, countries and languages*



The screenshot displays a Sigma-Aldrich Safety Data Sheet (SDS) for Acetone. The document is titled 'SAFETY DATA SHEET' and includes sections for identification, other means of identification, relevant identified uses, details of the supplier, and emergency telephone number. The supplier is Merck Life Science Pty Ltd. The right sidebar shows a list of documents including 'SDS', 'MINI', 'LABEL', and 'Alternative Documents'.

3.2 Search for Material by CW No (Chemwatch Number)

The steps below show how to use the Advanced search parameter to search for material by **CW No.** (Chemwatch Number). A Chemwatch number is a unique identifier (ID) in the database that is assigned to a specific chemical substance. This type of chemical substance identifier helps users to find information about the chemical and locate the SDS.

Steps: Search for a Material by CW No. (Chemwatch Number)

1. Open **Home** module .
2. Click on **the Advanced** tab.
3. Select the **Own** link to designate the search path to your inventory.
4. Click the **Name drop down** arrow and select **CW No** from the menu.
5. Type the **Chemwatch number** in the search text field, e.g., 1090.
6. Click on **Magnifying Glass**  to conduct the search.
7. Click on the **Material Name** to display SDS.

Simple

Advanced

Query Builder

Full

Own

3

2

CW No

4

1090

5

Australia

English

6

Q

Clear

Search for a folder

Q

Expand

Collapse

All materials for administrator

Australia

New Zealand

Waste Dispatch Area

Waste Intermediate Area

☐	Material Name	☐	Hazard	☐	Part Number	CAS No	Vendor	Hazard Codes	Country	Language	Current	Volume
☐	acetone	☐			—	Not Applicable	MP Biomedicals	H225, H319, H336	AUS	EN	260 L	
☐	ACETONE	☐			—	67-64-1	Diggers (a part of Racocochem)	H225, H319, H336, AUH066	AUS	EN	0	L
☐	acetone	☐			—	Not Applicable	Huntsman	AUH066, H336, H319, H225	AUS	EN	0 L	
☐	acetone	☐			—	67-64-1	Chemwatch	H225, H319, H336, AUH066	AUS	EN	0 L	
☐	Acetone	☐			—	Not Applicable	Sigma-Aldrich (Merck)	H225, H319, H336	AUS	EN	0 L	
☐	Acetone	☐			—	67-64-1	Merck Life Science (Sigma-Aldrich)	H225, H319, H336, AUH066	AUS	EN	0	L
☐	Acetone	☐			—	67-64-1	Thermo Fisher Scientific	H225, H319, H336, AUH066	AUS	EN	0	L

8. Hover mouse over the volume/weight information icon  for details on specific gravity of the material based on physical property.

Note: Specific gravity (relative density) is important for quality control, formulation and diagnostics in multiple industries.

Material Name	HPD	Risk Band	Hazard	Dangerous Goods	Regulatory Bur...	Material State	Specific Gravity	Volume	Vendors
acetone						Liquid	0.791 g/cm3 at 25 °C - lit.	0 L	
ACETONE								0	
acetone								0	
Acetone								0	
Acetone						Conditional	0	L	
Acetone						Conditional	0	L	

Material State: Liquid

Specific Gravity: 0.791 g/cm3 at 25 °C - lit.

- For solids, the quantity is to be calculated by the net mass in kilograms of the goods in the package.
- For liquid goods, the quantity is to be calculated by the net capacity in litres of the package.
- For gases, the quantity of gas in a package (eg 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.

Vendors

- Huntsman 4
- Sigma-Aldrich (Merck) 3
- MP Biomedicals 3
- Chemwatch 2
- Thermo Fisher Scientific 1

Show More

Gold SDS View

Back

acetone

Product review by Chemwatch

Chemwatch: 1090

Version No: 6.1

Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 3

Initial Date: 28/11/2005

Revision Date: 23/12/2022

Print Date: 21/05/2026

S.GHS.AUS.EN

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

Product Identifier

Product 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, RF Services, RCRA Waste No. U002, EM000739, APS RETL00020006 UCH00002546 RDEH06009000, SPOL00000585 AR00000006 UL00000007 M&B00004946, Ashland Acetone ECD Mobil 878033 971934, J.T.Baker Chem-Supply, Product code: 11831, 101404: DAVID CRAIG ACETONE 500ML, 101405: DAVID CRAIG ACETONE 100ML
Chemical formula	CH3COCH3
Other means of identification	Not Available
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 manufacturer or importer of the safety data sheet

Registered company name	Product review by Chemwatch
-------------------------	-----------------------------

Main Documents

- SDS
- MINI Australia / English
- LABEL

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

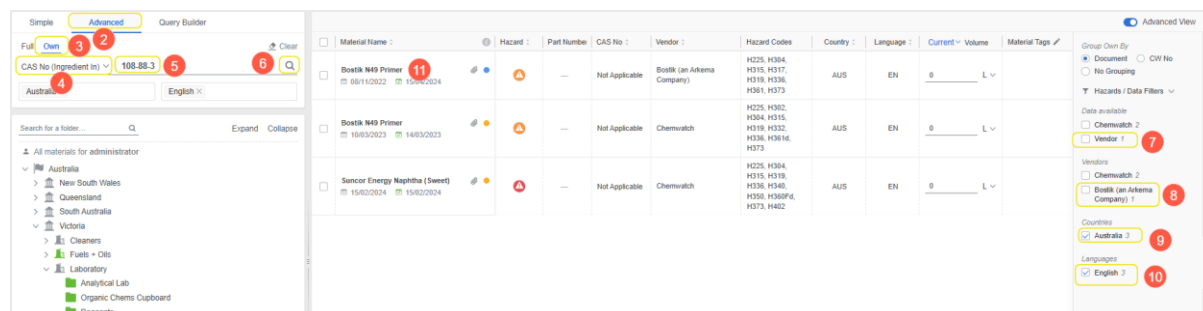
Special Documents

- HPD
- EPD

3.3 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: Search for a Material by CAS No (Ingredient In)

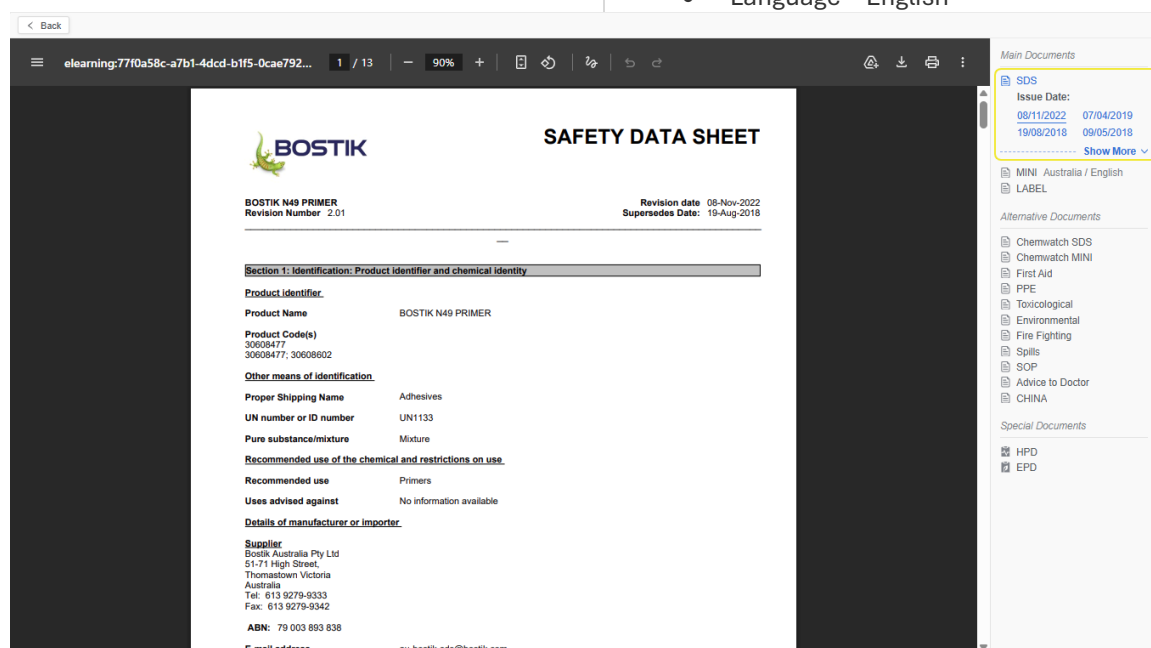


1. Open **Home** module .
2. Click on the **Advanced** tab.
3. Select **Full** link to designate the search path.
4. Click the **Name drop down** arrow and select **CAS No (Ingredient In)** from the menu.
5. Type the **CAS number** in the search text field, e.g., 108-88-3.
6. Click on **Magnifying Glass**  to conduct the search.
7. Click the respective vendor checkbox to filter by that specific manufacturer.

8. Select the **Vendor checkbox** for **classification** available.
9. Select the **Vendor checkbox** for a specific manufacturer/supplier.
10. Use the **Country** filter on the side panel to select a specific country and/or language.
11. Click the **material name** to display the respective SDS.

Applying the filters on the side panel will refresh the material search results to reflect the records based on the filters applied such as Vendor:

- Country = Australia
- Language = English



3.4 Search for Dangerous Good Class

Dangerous goods are substances; including mixtures, solutions, and articles that when transported pose a risk to health, safety, property, or the environment. Specific dangerous goods that pose risks even when they are not transported are known as hazardous materials. Dangerous goods are divided into nine classes based on their specific chemical characteristics that pose risk. These classes range from 1 to 9. The table below lists the nine classes and short descriptions.

DG Class	Class Name	Divisions and Description
Class 1	Explosives	Division 1.1: Substances and articles which have a mass explosion hazard. Division 1.2: Substances and articles which have a projection hazard but not a mass explosion hazard. Division 1.3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard. Division 1.4: Substances and articles which present no significant hazard. Division 1.5: Very insensitive substances which have a mass explosion hazard. Division 1.6: Extremely insensitive articles which do not have a mass explosion hazard.
Class 2	Gases	Division 2.1: Flammable gases. Division 2.2: Non-flammable, non-toxic gases. Division 2.3: Toxic gases.
Class 3	Flammable Liquids	There are no divisions for this DG Class. Vapours from these liquids can ignite in air on contact with a source of ignition. (e.g., petrol, kerosene).
Class 4	Flammable Solids; Substances Liable to Spontaneous Combustion; Substances which, on contact with water, emit flammable gases	Division 4.1: Flammable solids, self-reactive substances, and solid desensitized explosives. Division 4.2: Substances liable to spontaneous combustion. Division 4.3: Substances that when they are in contact with water emit flammable gases.
Class 5	Oxidising Substances and Organic Peroxides	Division 5.1: Oxidizing substances. Division 5.2: Organic peroxides.
Class 6	Toxic and Infectious Substances	Division 6.1: Toxic substances. Division 6.2: Infectious substances.
Class 7	Radioactive Material	There are no divisions for this DG Class. Materials or combinations of materials that emit harmful radiation (e.g., uranium, radium).
Class 8	Corrosive Substances	There are no divisions for this DG Class. Solids or liquids that can damage living tissue and may react with many

DG Class	Class Name	Divisions and Description
		other materials. (e.g., hydrochloric acid, caustic soda).
Class 9	Miscellaneous Dangerous Substances and Articles	There are no divisions for this DG Class. Substances and articles that present a danger and are not covered by other classes. (e.g., dry ice, asbestos).

The steps below show how to use Advanced search to look up material by a specific dangerous goods class.

Steps: Search for Material by DG Class

The screenshot shows the 'Advanced' search tab selected. In the search bar, 'acetone' is entered. The 'DG or Subrisk' dropdown is set to '3'. The 'Magnifying Glass' icon is clicked. The results table displays a list of materials, including 'acetone', 'ACETONE', 'Bostlik N49 Primer', 'benzene', and 'ethyl acetate'. The 'DG' column shows the dangerous goods class for each material.

1. Open **Home** module .
2. Click on **the Advanced** tab.
3. Select **Own** link to designate the search path from your own inventory list.
4. Click the **Name drop down** arrow.
5. Select **DG Class** option from the menu and click on dangerous goods class number e.g., 3 for flammable liquids.
6. Click on **Magnifying Glass**  to conduct the search.

7. Note that the **Dangerous Good Class** is shown for flammable liquids alongside the material name from your own search results list.
8. Click the **Material Name** to display the respective SDS.

Applying the filters on the side panel will refresh the material search results to reflect the records based on the filter conditions set.

Vendor SDS View – Section 14, Transport Information and DG Class

The screenshot shows the Vendor SDS View interface for Acetone. The main content area displays the following information:

Safety Data Sheet according to WHS Regulations	
Trade name: Acetone	
(Contd. of page 6)	
· IMDG, IATA	ACETONE
· Transport hazard class(es)	
· ADG, IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· Packing group	II
· ADG, IMDG, IATA	
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	33
· EMS Number:	3-06
· Stowage Category	E
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	II
· Limited quantities (LQ)	Code: E2
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	II
· Limited quantities (LQ)	Code: E2
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

The sidebar on the right contains the following categories:

- Main Documents
 - SDS
 - MINI / Australia / English
 - LABEL
- Alternative Documents
 - Chemwatch SDS
 - Chemwatch MINI
 - First Aid
 - PPE
 - Toxicological
 - Environmental
 - Fire Fighting
 - Spills
 - SOP
 - Advice to Doctor
 - CHINA
- Special Documents
 - HPD
 - EPD

3.6 Search for Material by Vendor

The manufacturer or importer must prepare SDS and provide information as per SDS preparation requirements, e.g. classification of a hazardous chemical using GHS. This information must include:

- Product name
- Vendor details
- Business name
- Address
- Telephone number
- Emergency number
- Issue date of the SDS
- Review date

- Version number
- Chemical composition
- Hazard classification
- Chemical properties & Ingredient
- Precautionary information
- Emergency information
- First aid
- Transport information

i A Vendor is also known as a supplier or manufacturer. Manufacturers must provide current SDS for their products that are on the marketplace and the workplace for customers and workers that use, handle or transport hazardous chemicals to refer to the information contained in the Safety Data Sheet.

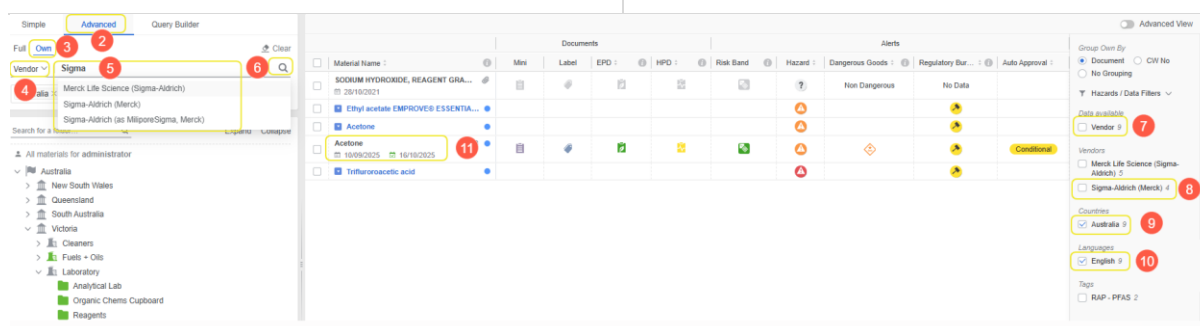
Manufacturers must follow the 16 sections of SDS requirements where information about the product must be detailed where applicable or available and review the SDS at least once every five years from the original preparation or the last revision of the SDS and ensure that the SDS contains correct and current information. For more information on the 16 Sections of an SDS, click [here](#).

The steps illustrate how to navigate the Advanced mode to find a material SDS using the **Vendor search**.

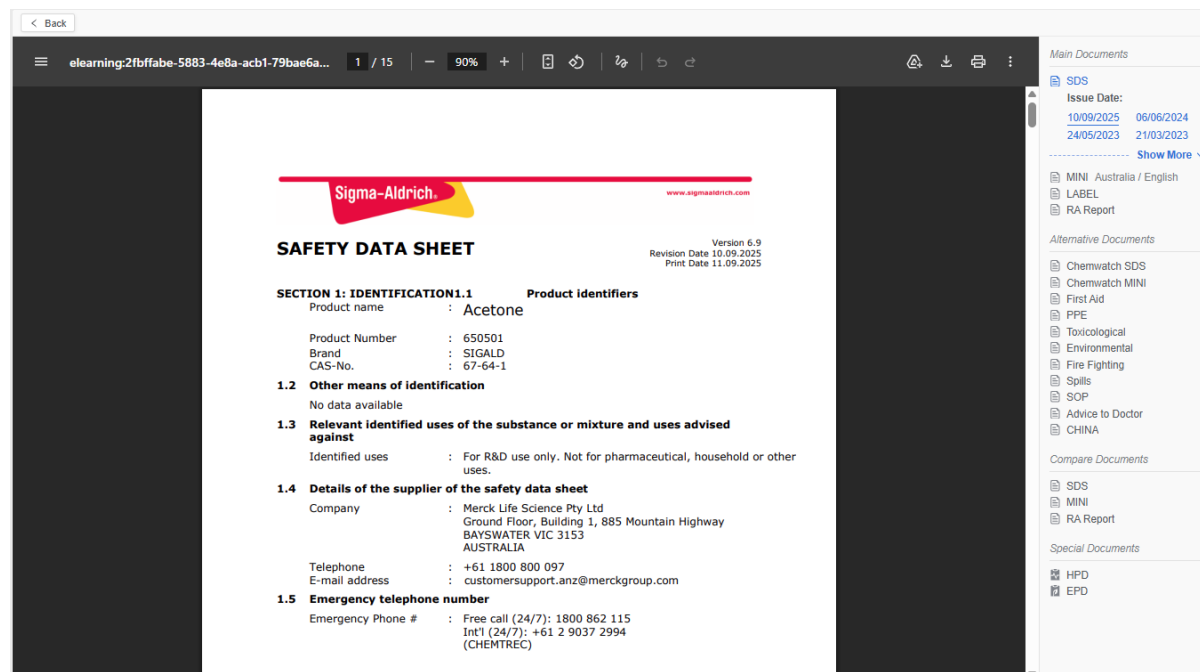
Steps: Search by Vendor Name and Display the Manufacturer's SDS

1. Open **Home** module .
2. Click on the **Advanced** tab.
3. Select **Own** link to designate the search path.
4. Click the **Name drop down** arrow and select the **Vendor** search parameter from the menu.
5. Type the **Vendor name** in the search text field, e.g., Sigma.
6. Click on **Magnifying Glass**  to conduct the vendor search.
7. Select the **Vendor** checkbox for classification available.
8. Select the **Vendor** checkbox to filter by specific vendor.
9. Select the **Country** checkbox to further filter the search results from the materials list.
10. Select the **Language** checkbox filter.
11. Click on the **Vendor Document name** to display the Vendor SDS.

The Vendor SDS display correlates to the specific manufacturer of the safety data sheet.



Vendor SDS View



3.6 Search for Material by UN No (United Nations Number)

A UN Number is a four-digit number that identifies substances that are hazardous materials, dangerous goods and articles in international commerce and transport. The UN Model Regulations is the international instrument that addresses governments and international organisations based on the framework on the Transport of Dangerous Goods. A UN number is a unique identifier in the database that is assigned to a specific chemical substance, and these numbers range from UN0001 to about UN3600 and some are no longer in use.

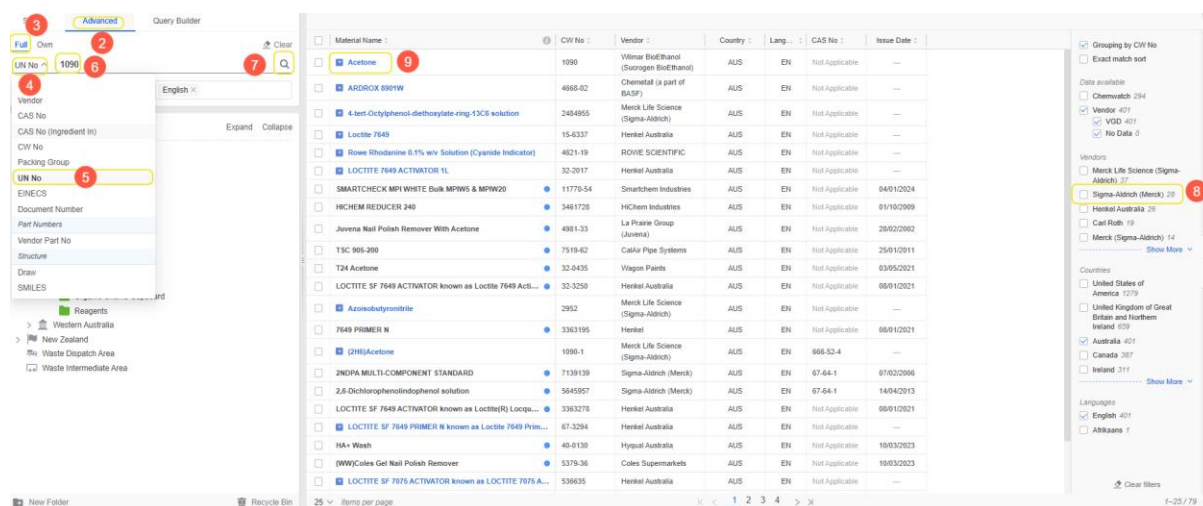
UN numbers are assigned to a DG Class and Proper Shipping name where applicable. This type of hazardous materials identifier helps users to find information about the substances DG Class, transport details and locate the SDS.

The steps below show how to use the Advanced search parameter “**UN No**” to search for a material by **United Nations number**.

Steps: Search for Material by UN No. (United Nations Number)

1. Open **Home** module .
2. Click on **the Advanced** tab.
3. Select **Full** link to designate the search path.
4. Click the **Name drop down** arrow.
 - Select **UN No** from the menu.
5. Type the **UN number** in the search text field, e.g., 1090.
6. Click on **Magnifying Glass**  to conduct the search.
7. Select a **Vendor** name checkbox on the side panel to apply further filtering.
8. Click on the **Material Name** to select specific vendor document (SDS)

Applying the filters on the side panel will refresh the material search results to reflect the records based on the filter conditions set.



Material Name	CW No	Vendor	Country	Lang	CAS No	Issue Date
1090	1990	Wilmor BioEthanol (Sucrogen BioEthanol)	AUS	EN	Not Applicable	---
ARDROX 890W	4868-02	Chemetal (a part of BASF)	AUS	EN	Not Applicable	---
4-tert-Octylphenol-diethoxylate-rmg-13CS solution	2404955	Merck Life Science (Sigma-Aldrich)	AUS	EN	Not Applicable	---
Locitite 7649	15-6337	Henkel Australia	AUS	EN	Not Applicable	---
Rowe Rhodamine 6.1% w/v Solution (Cyanide Indicator)	4821-19	ROWE SCIENTIFIC	AUS	EN	Not Applicable	---
LOCITITE 7649 ACTIVATOR 1L	32-2017	Henkel Australia	AUS	EN	Not Applicable	---
SMARTCHECK MP1 WHITE Bulk MPW5 & MPW20	11770-54	Smartchem Industries	AUS	EN	Not Applicable	04/01/2024
HICHEM REDUCER 240	3461728	HChem Industries	AUS	EN	Not Applicable	01/10/2009
Jovena Nail Polish Remover With Acetone	4981-33	La Prairie Group (Jovena)	AUS	EN	Not Applicable	28/02/2002
TSC 905-200	7919-42	Cable Pipe Systems	AUS	EN	Not Applicable	25/01/2011
T24 Acetone	32-0435	Wagon Paints	AUS	EN	Not Applicable	03/05/2021
LOCITITE SF 7649 ACTIVATOR known as Locitite 7649 Act...	32-3250	Henkel Australia	AUS	EN	Not Applicable	06/01/2021
Azobiscyanovalonic	2952	Merck Life Science (Sigma-Aldrich)	AUS	EN	Not Applicable	---
7649 PRIMER N	3363195	Henkel	AUS	EN	Not Applicable	06/01/2021
DHBAcetone	1990-1	Merck Life Science (Sigma-Aldrich)	AUS	EN	966-52-4	---
2NDPA MULTI-COMPONENT STANDARD	7139139	Sigma-Aldrich (Merck)	AUS	EN	67-64-1	07/02/2006
2,6-Dichlorophenolindophenol solution	5845957	Sigma-Aldrich (Merck)	AUS	EN	67-64-1	14/04/2013
LOCITITE SF 7649 ACTIVATOR known as Locitite(R) Locop...	3363278	Henkel Australia	AUS	EN	Not Applicable	06/01/2021
LOCITITE SF 7649 PRIMER N known as Locitite 7649 Prim...	67-3294	Henkel Australia	AUS	EN	Not Applicable	---
H4+ Wash	40-0130	Hypox Australia	AUS	EN	Not Applicable	19/03/2023
WWWColes Gel Nail Polish Remover	5379-36	Coles Supermarkets	AUS	EN	Not Applicable	19/03/2023
LOCITITE SF 7675 ACTIVATOR known as LOCITITE 7675 A...	536635	Henkel Australia	AUS	EN	Not Applicable	---

Vendor SDS View

Sigma-Aldrich www.sigmaaldrich.com

SAFETY DATA SHEET Version 6.9
Revision Date 10.09.2025
Print Date 11.09.2025

SECTION 1: IDENTIFICATION

1.1 Product identifiers
Product name : Acetone
Product Number : 650501
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 : Merck Life Science Pty Ltd
Ground Floor, Building 1, 885 Mountain Highway
BAYSWATER VIC 3153
AUSTRALIA
Telephone : +61 1800 800 097
E-mail address : customersupport.anz@merckgroup.com

1.5 Emergency telephone number
Emergency Phone # : Free call (24/7): 1800 862 115
Int'l (24/7): +61 2 9037 2994
(CHEMTREC)

Main Documents
SDS
Issue Date: 10/09/2025 06/06/2024
24/05/2023 21/03/2023
[Show More](#)

Alternative Documents
MINI Australia / English
LABEL
Chemwatch SDS
Chemwatch MINI
First Aid
PPE
Toxicological
Environmental
Fire Fighting
Spills
SOP
Advice to Doctor
CHINA

Special Documents
HPD
EPD

3.7 SDS QR (Safety Data Sheet QRCode)

SDS QR Code is a Safety Data Sheet QR (Quick Response) code aimed at scanning

Sigma-Aldrich www.sigmaaldrich.com

SAFETY DATA SHEET Version 6.8
Revision Date 28.05.2024
Print Date 15.06.2024

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

1.1 Product identifiers
Product name : Acetone
Product Number : 650501
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 : Merck Life Science Pty Ltd
Ground Floor, Building 1, 885 Mountain Highway
BAYSWATER VIC 3153
AUSTRALIA
Telephone : +61 1800 800 097
E-mail address : customersupport.anz@merckgroup.com

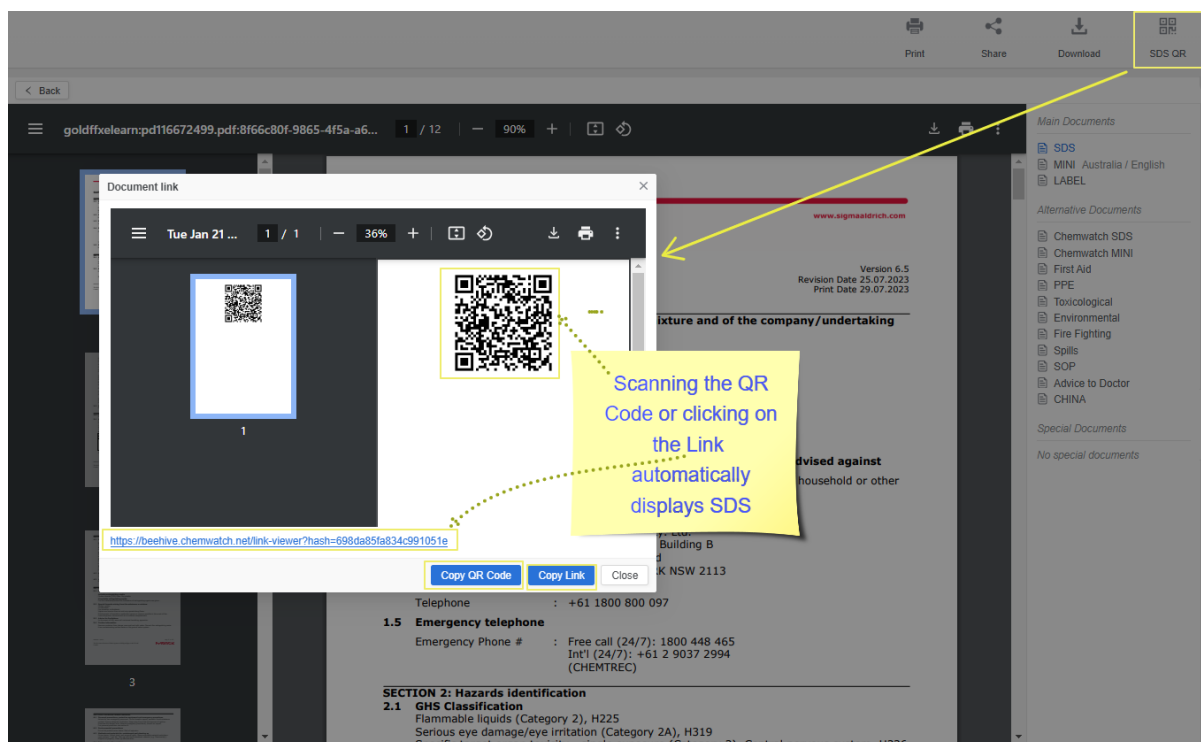
1.5 Emergency telephone
Emergency Phone # : Free call (24/7): 1800 862 115
Int'l (24/7): +61 2 9037 2994
(CHEMTREC)

Main Documents
SDS
LABEL

Alternative Documents
Chemwatch SDS
Chemwatch MINI
First Aid
PPE
Toxicological
Environmental
Fire Fighting
Spills
SOP
Advice to Doctor
CHINA

Special Documents
No special documents
Emergency Response Reports
No emergency response reports

Clicking on the Scan QR code button renders the QR code in a pdf document and the system provides an online link that can be used to quickly access the SDS externally from the system. Users can **Copy the SDS QR code** or **Copy the link**.



QR codes make SDS documents instantaneously accessible on mobile devices (smart phones or tablets) and eliminates the need for hard copies or physical storage of SDS. It simply reduces the hard copy reliability and accessible anywhere. It also facilitates quick access to up-to-date SDS at the workplace and users' access to the most recent version of the product's SDS.

QR codes can also be printed and placed at the workplace on product labels (chemical containers), packaging, equipment or storage areas, especially in remote sites where printed SDSs may not be practical. With diverse workers, SDS documents with different languages can also be accommodated with SDS QR Codes that can link to those specific language SDSs for ease of communicating hazardous chemical information.

4.0 Create a Manifest

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

- Folder types and properties
- Creating a storage folder
- Creating a folder structure
- Copying a folder
- Moving a folder
- Renaming a folder
- Removing a folder
- Printing folder tree
- Folder history
- 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. The chemicals management system provides the ease of managing chemical manifest related data, SDS, hazard classification information, volume/weight, creating material tags and ensuring upkeep of data and reporting purposes.

-  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 several project phases to have a Manifest created or updated in your system.



New customers follow the overall Chemwatch project phases in attaining the registration of all their products based on their type of request and may include the creation of a manifest in the system. The other option allows users to create their own Manifest folder structure based on their site map and add products into respective folder locations.

- i** All requests are designated as projects for Chemwatch data processing, and 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 Phase**. 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 use data extraction (UGD) to classify materials that do not have a Chemwatch classification or Vendor Generated Data (VGD) extracted.

4.1 Overview of the Manifest Elements

The main elements of the user interface in relation to the Manifest are as follows:

- Search Panel
- Folder Panel
- Inventory Grid (Table)
- Side Panel Filters
- Report Generator
- Print Out

The user interface grid of the home page is designed to be viewable in two modes:

- Simplified View
- Advanced View

The settings modes provide users with these options to switch the view to the suitable level of simplicity of the grid. The main purpose of the simplified grid is view and access everything a user needs in relation to the inventory of chemicals located in a folder.

Simplified View

Placarding Bar

Show subfolders

Advanced View

		Documents										
☐	Material Name		SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dange		
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025											
☐	CRC Bioweld 10/10/2025 21/11/2025											
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025											
☐	Trifluoroacetic acid 28/09/2025 19/11/2025											

Group Own By

☒ Document

☐ CW No

☐ No Grouping

Hazards / Data Filters

Data available

☐ Chemwatch 28

☐ Vendor 35

☐ Alternative C/L 7

☐ Alternative Regions 6

Advanced View

Placarding Bar										☒ Show subfolders	☒ Advanced View
☐	Material Name		Hazard	CAS No	Vendor	Hazard Codes	Country	Langu...	Current Volume	DG S1 S2	
☐	Chevron Diesel Fuel No.2 📅 10/10/2025 🔄 21/11/2025			Not Applicable	Chemwatch	H226, H320, H336, H351, H360Fd	AUS	EN	0 L	3 🔍 🔍	
☐	CRC Bioweld 📅 10/10/2025 🔄 21/11/2025			Not Applicable	Chemwatch	H229, H319, AUH044	AUS	EN	4500 L	2.2 🔍 🔍	
☐	Caterpillar Diesel Fuel No.2 📅 10/10/2025 🔄 21/11/2025			Not Applicable	Chemwatch	H226, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550 L	3 🔍 🔍	
☐	Trifluoroacetic acid 📅 28/09/2025 🔄 19/11/2025			76-05-1	Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100 L	8 🔍 🔍	

Simplified View Grid

This user interface grid view provides instant access to **Documents** and **Alerts** gets you instant access to:

- Vendor SDS
- Generate one-page Mini SDS with colour-coded hazard alerts.
- Generic automated Risk Assessments, with no need to input additional variables based on jobs.
- Search for products in the search bar and have results automatically highlighted within larger lists and folder trees.
- Generate GHS or DG secondary container labels from simple templates.
- Add/update volumes/weights of products.

Placarding Bar ▾		Documents						Alerts						
☐	Material Name ▾			SDS	Mini	Label	EPD ▾	HPD ▾	Risk Band	Hazard ▾	Dangerous G... ▾	Regulatory ... ▾	Auto Approval ▾	
☐	trifluoroacetyl chloride 13/10/2023 23/10/2023													Conditional
☐	ACTROL R507 05/07/2021 29/06/2024										Non Dangerous			Conditional
☐	Waste Motor Oil 25/04/2021 16/10/2022													Conditional

Folders automatically store SDS and associated data to generate risk assessments, labels, hazard ratings, regulatory burden, dangerous goods classification. Our proprietary algorithms use this data to determine the most likely scenario for your risk assessments and automatically generate them where they don't already exist.

The Documents Column

The Documents main header display icons for each subdivided column that enable users to simply click on each type of document they want to retrieve a report for any product located in a folder. **Documents** are accessible through these icons:

- Vendor SDS
- Gold SDS
- Mini SDS
- Label
- EPD
- HPD

Placarding Bar		Documents						Alerts						☐ Show subfolders	☐ Advanced View
☐	Material Name		SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval			
☐	trifluoroacetyl chloride 13/10/2023 23/10/2023												Conditional		
☐	ACTROL R507 05/07/2021 29/06/2024									Non Dangerous			Conditional		
☐	Waste Motor Oil 25/04/2021 16/10/2022												Conditional		

Description of Documents Icons

Cat Name	Vendor SDS	Gold	Mini	Label	EPD	HPD
Product Name						
	A Vendor SDS availability is accompanied by the blue dot  alongside the material name	Chemwatch SDS for material availability is accompanied by the orange dot  .	Chemwatch Hazard Summary Safety Data Sheet (One Page) for the product	Chemwatch material label or a custom product label report.	Environmental Product Declaration	Health Product Declaration

The Alerts Column

The Alerts main header displays colour coded icons for each subdivided column depicting the specific ratings of any material/product located in a folder. These icons represent information about these categories.

- Risk Assessment
- Hazard Rating
- DG pictogram
- Regulatory Burden

Placarding Bar		Documents						Alerts				
Material Name		SDS	Mini	Label	EPD	HPD		Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval
trifluoroacetyl chloride 13/10/2023 23/10/2023												Conditional
ACTROL R507 05/07/2021 29/06/2024										Non Dangerous		Conditional
Waste Motor Oil 25/04/2021 16/10/2022												Conditional

The primary purpose of the Alerts column is to provide users with material (product) classification information by simply viewing the colour coded icons to get a wholistic glimpse about the hazardous and dangerous goods nature of the product and its regulatory burden.

Alerts Colour Coded Icons and Ratings

Cat Name	Risk Assessment	Hazard	DG	Regulatory Burden
Product	 Default risk assessment rating and access to risk assessment report	 Chemwatch hazard ratings based on GHS.	 Dangerous Goods (DG) classification rating based on packing group (PKG).	 Lightly, moderately, highly, extremely regulated.
Ratings	0/1, 2, 3, 4/4+, Risk Unknown		PKGI, PKGII, PKGIII, Not Applicable	Light, Moderate, High, Extreme

Cat Name	Auto Approval
Product	Status
	Approved
	Conditional
	Not Approved
	Ingredient Name, CAS No.

4.1.1 Viewing Vendor Document from Own Inventory Listing

Viewing documents from your Own inventory listing (either through the search results or folder content) in the simplified grid provides clickable icons (as discussed above) to load the documents. There are two ways to view a material's document (**Vendor SDS**).

- Single click on the Cat Name (Product Name)
- Single click on the Vendor SDS icon

Single Click on Product Name

		Documents						Alerts					
☐	Material Name		SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...		
☐	benzene									Non Dangerous			
☐	zinc chloride 23/10/2019 07/07/2023												
☐	acetone 08/06/2018 29/02/2020												
☐	Chlorine 06/09/2017 06/08/2020												

Single Click on Vendor SDS Icon

			Documents					Alerts				
☐	Material Name		SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	
☐	benzene									Non Dangerous		
☐	zinc chloride 23/10/2019 07/07/2023											
☐	acetone 08/06/2018 29/02/2020											
☐	Chlorine 06/09/2017 06/08/2020											

Steps: Viewing Vendor SDS through the Cat Name (Product)

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Product Name** listed in the folder inventory.
4. Vendor SDS is displayed.

Vendor SDS View

4.1.2 Viewing Chemwatch Gold Document from Own Inventory Listing

 A Gold SDS is a Chemwatch Safety Data Sheet. Only customers' domains that subscribe to Chemwatch Golds service will be able to view Gold SDS. This attribute is based on Prefer Gold or Force Gold feature.

☐	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...
☐	benzene								Non Dangerous	
☐	cocaine 24/10/2025 23/04/2026									
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025									
☐	CRC Bioweld 10/10/2025 21/11/2025									
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025									

A **Chemwatch SDS** is a Chemwatch independently authored full Safety Data Sheet, commonly known as Gold SDS. All 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 for flammability, toxicity, body contact, reactivity, and chronicity.

Back

acetone

Product review by Chemwatch

Chemwatch: 1090
 Version No: 6.1
 Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 3

Initial Date: 28/11/2005
 Revision Date: 23/12/2022
 Print Date: 25/05/2026
 S.GHS AUS EN

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

Product Identifier

Product 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 UL0000007 M&B00004946, Ashland Acetone ECD Mobil 878033 971934, J.T.Baker Chem-Supply, Product code: 11831, 101404: DAVID CRAIG ACETONE 500ML, 101405: DAVID CRAIG ACETONE 100ML
Chemical formula	CH3COCH3
Other means of identification	Not Available
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.
--------------------------	--

Main Documents

- SDS
- MINI Australia / English
- LABEL
- RA Report

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

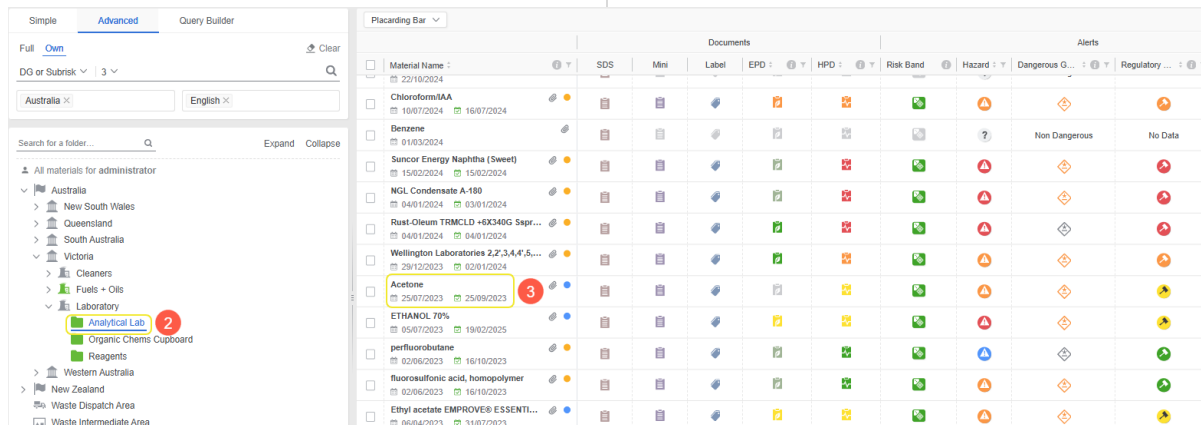
- HPD

Colour	Hazard Rating	Hazard Icon	Hazard Rating Meaning
Grey	0		None
Blue	1		Low
Yellow	2		Moderate
Orange	3		High
Red	4		Extreme

In this worked example, the side panel option is used.

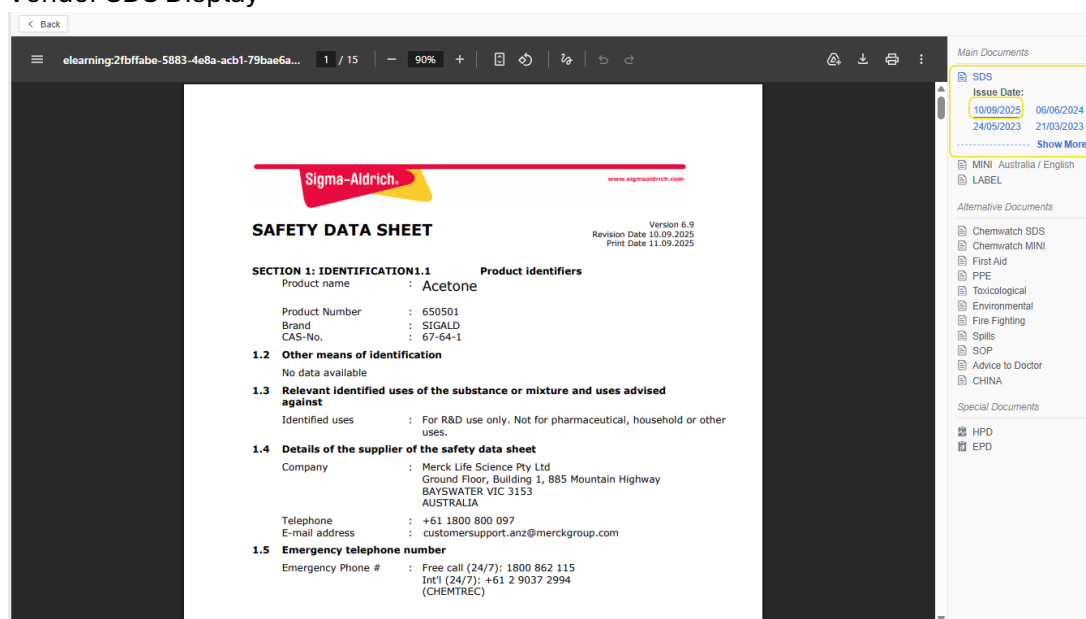
Steps: Viewing Gold SDS from the Side Panel's Alternative Documents Option

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Product Name** listed in the folder inventory.
4. Vendor SDS displays.



The screenshot shows the Chemwatch GoldFFX interface. On the left, the 'Folder' structure is visible under 'All materials for administrator'. The 'Analytical Lab' folder is selected, indicated by a red circle with the number 2. The main area displays a table of documents. The 'Acetone' document is highlighted, indicated by a red circle with the number 3. The table columns include Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, Dangerous G..., and Regulatory ...

Vendor SDS Display



The screenshot shows the Vendor SDS Display for Acetone. The document is titled 'SAFETY DATA SHEET' and is from Sigma-Aldrich. The product name is 'Acetone'. The document includes details such as Product Number (650501), Brand (SIGALD), CAS-No. (67-64-1), and Emergency Phone # (Free call (24/7): 1800 862 115). The document is displayed in a viewer with a sidebar on the right showing 'Main Documents' and 'Alternative Documents'.

5. Select the Alternative Document **“Chemwatch SDS”** option on the side panel.
6. Chemwatch (Gold) SDS is displayed.

Chemwatch Gold SDS Display

acetone
Product review by Chemwatch

Chemwatch: 1090
Version No: 6.1
Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Initial Date: 28/11/2005
Revision Date: 23/12/2022
Print Date: 21/05/2026
S.GHS.AUS.EN

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

Product Identifier

Product 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, EIA000739, APS RETL00020006 UCH00002546 RDEH00009000, SPOL00000585 AR0000006 UL000007 M&B00004946, Ashland Acetone ECD Mobil 878033 971934, J.T.Baker Chem-Supply, Product code: 11831, 101404: DAVID CRAIG ACETONE 100ML 500ML, 101405: DAVID CRAIG ACETONE 100ML
Chemical formula	CH3COCH3
Other means of identification	Not Available
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 manufacturer or importer of the safety data sheet

Registered company name	Product review by Chemwatch
Address	Australia
Telephone	Not Available
Fax	Not Available
Website	Not Available

Main Documents

- SDS
- MINI Australia / English
- LABEL
- RA Report

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

- HPD

4.1.3 Viewing Mini SDS Document from Own Inventory Listing

A **Mini SDS** is accessible through the Mini SDS document icon  for a material with the orange circle identifier  on grid view by using a single click. However, another way to access this document is to use the Chemwatch Mini Alternative Documents option in the side panel when viewing a Vendor SDS.

 A Mini SDS is a Chemwatch Hazard Summary One Page document. Only customers' domains that subscribe to Chemwatch Golds service will be able to view Gold SDS. This attribute is based on Prefer Gold or Force Gold feature.

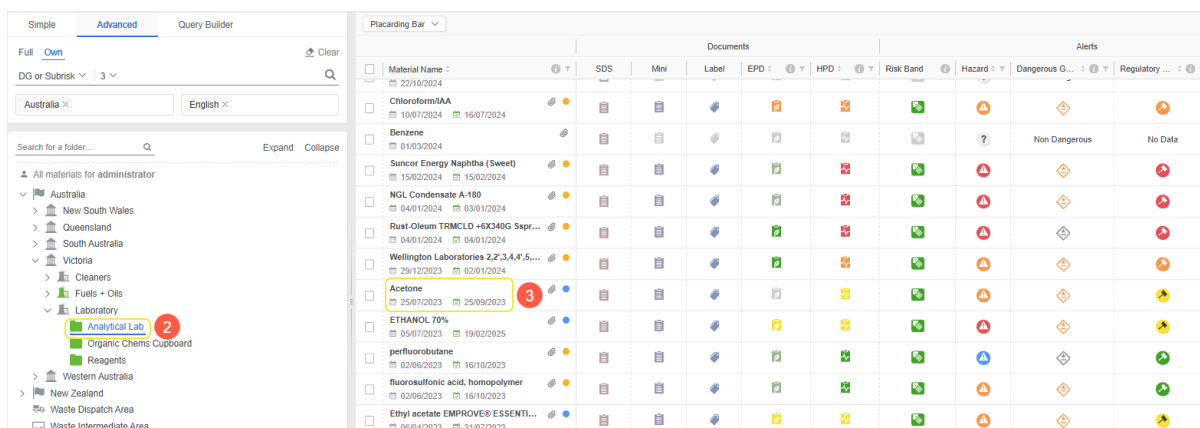
A Mini SDS is a Chemwatch independently authored hazard summary data sheet, commonly used in emergency situations as a quick reference document. All formats support GHS, REACH, Chinese, Japanese, Korean, NZ, etc., in almost 50 languages.

All Mini SDS are **colour coded** in accordance with the Chemwatch hazard rating criteria for flammability, toxicity, body contact, reactivity, and chronicity. In this worked example, the side panel's main documents option is used to display the SDS.

The following steps illustrate how to access a Mini SDS using the side panel alternative documents.

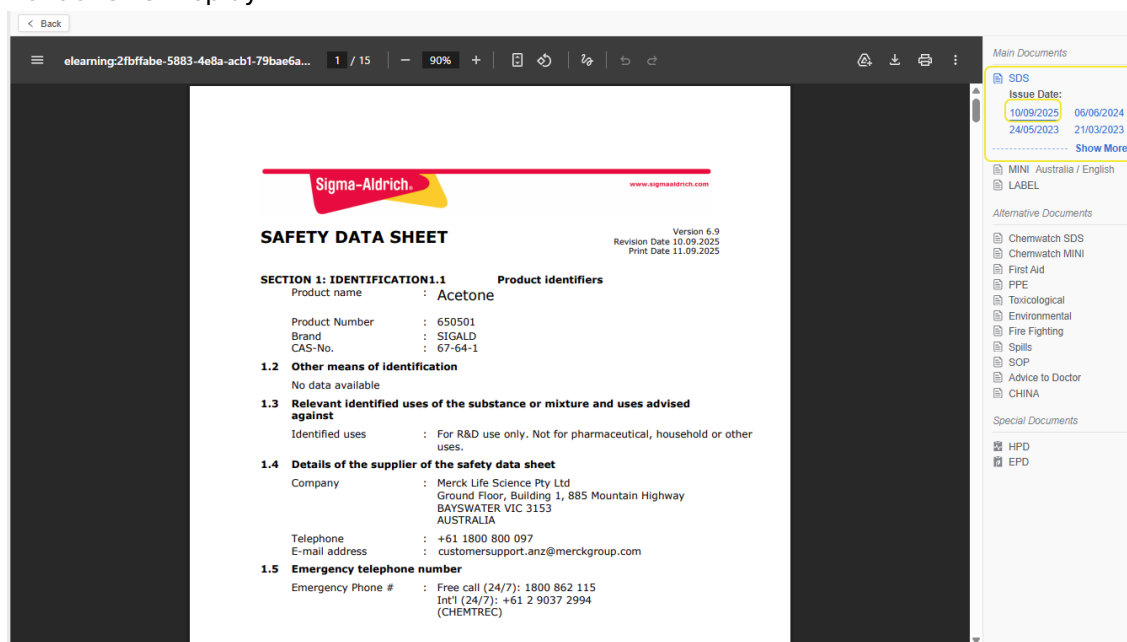
Steps: Viewing Chemwatch Mini SDS from the Side Panel's Alternative Documents Option

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Product Name** listed in the folder inventory.
4. Vendor SDS is displayed.



Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...
Chloroform/AA									
Benzene								Non Dangerous	No Data
Suncor Energy Naphtha (Sweet)									
NGL Condensate A-180									
Rust-Oleum TRIMCLD +6X340G Sepr...									
Wellington Laboratories 2,2',3,4,4',5...									
Acetone									
ETHANOL 70%									
perfluorobutane									
fluoroacetic acid, homopolymer									
Ethyl acetate EMPROVE® ESSENTIAL...									

Vendor SDS Display



Sigma-Aldrich

SAFETY DATA SHEET

Version 6.9
Revision Date 10.09.2025
Print Date 11.09.2025

SECTION 1: IDENTIFICATION

1.1 Product Identifiers

Product name : Acetone

Product Number : 650501
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 : Merck Life Science Pty Ltd
Ground Floor, Building 1, 885 Mountain Highway
BAYSWATER VIC 3153
AUSTRALIA

Telephone : +61 1800 800 097
E-mail address : customersupport.anz@merckgroup.com

1.5 Emergency telephone number

Emergency Phone # : Free call (24/7): 1800 862 115
Int'l (24/7): +61 2 9037 2994
(CHEMTREC)

Main Documents

- SDS
- Issue Date: 10/09/2025, 06/06/2024, 24/05/2023, 21/03/2023
- MINI Australia / English
- LABEL

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI
- First Aid
- PPE
- Toxicological
- Environmental
- Fire Fighting
- Spills
- SOP
- Advice to Doctor
- CHINA

Special Documents

- HPD
- EPD

5. Select the Alternative Document **“Chemwatch MINI”** option on the side panel.
6. Chemwatch Mini SDS is displayed.

Mini SDS Display

Chemwatch: 1090 Chemwatch Hazard Alert Code: 3

MINI SDS

acetone

INGREDIENTS	CAS NO	%	8HR OEL
acetone	67-64-1	95-99.5	594 mg/m3

GHS **DG**

UN No: 1090
Hazard Code: +2YE
DG Class: 3
Subsidiary Hazard: Not Applicable
Packing Group: II
Poisons Schedule: S5

HEALTH HAZARD INFORMATION

Signal word: **Danger**

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
AUH066 Repeated exposure may cause skin dryness and cracking.

PRECAUTIONS FOR USE

Appropriate engineering controls: Local Exhaust Ventilation recommended.
Glasses: Consider chemical goggles.
Gloves: 2 PE/EVAL/PE
Respirator: 130857

Store in cool, dry, protected area. Restrictions on Storage

PROPERTIES

Liquid. Mixes with water. Highly flammable.

EMERGENCY

FIRST AID

Swallowed: Give water (if conscious). Seek medical advice.
Eye: Wash with running water.
Skin: Remove contaminated clothing. Wash with soap & water.
Inhaled: Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.
Advice To Doctor: No antidote. Supportive care.
Fire Fighting: Keep containers cool. Water spray/ fog. Foam - alcohol type.
Spills and Disposal: 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. 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

4.1.4 Viewing Label Document from Own Inventory Listing

A **Label** document is accessible through the label document icon  for a material with the orange circle identifier  on grid view with a single click where a Chemwatch SDS is available or where a Vendor SDS is available, depicted by the blue circle  identifier for Vendor Classification Data Extraction. However, another way to access this document is to use the Main Documents  **LABEL** option in the side panel when viewing a Vendor SDS.

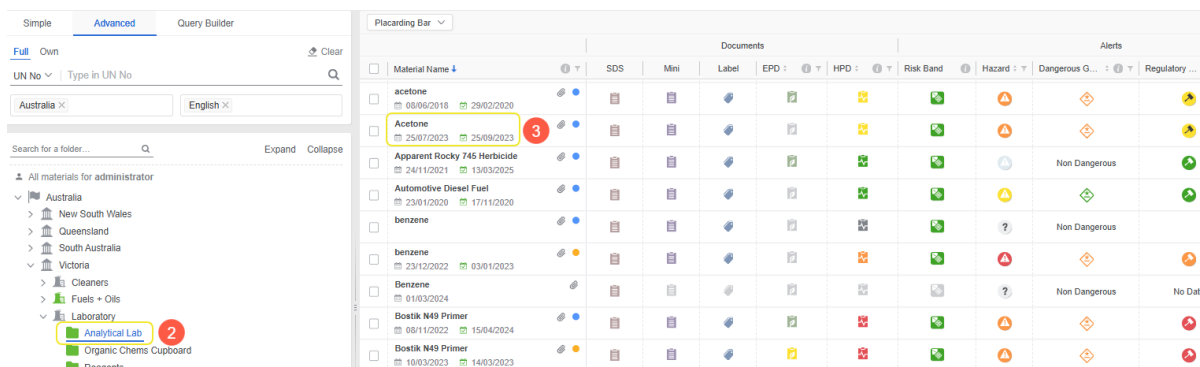
-  A Label in the system is a Chemwatch designed document or can also be a Custom Label document created by a user.

☐	Material Name		SDS	Mini	Label	Risk Band	Hazard
☐	12.5% Bleach 01/02/2019 09/05/2020						
☐	2 Triflora 13/08/2020						
☐	Acetone 29/03/2020 07/11/2020						
☐	Agar Sol spray 01/09/2021 22/11/2021						
☐	Amino acid Standard 13/05/2022 24/01/2023						

In this worked example, the side panel's main documents option is used.

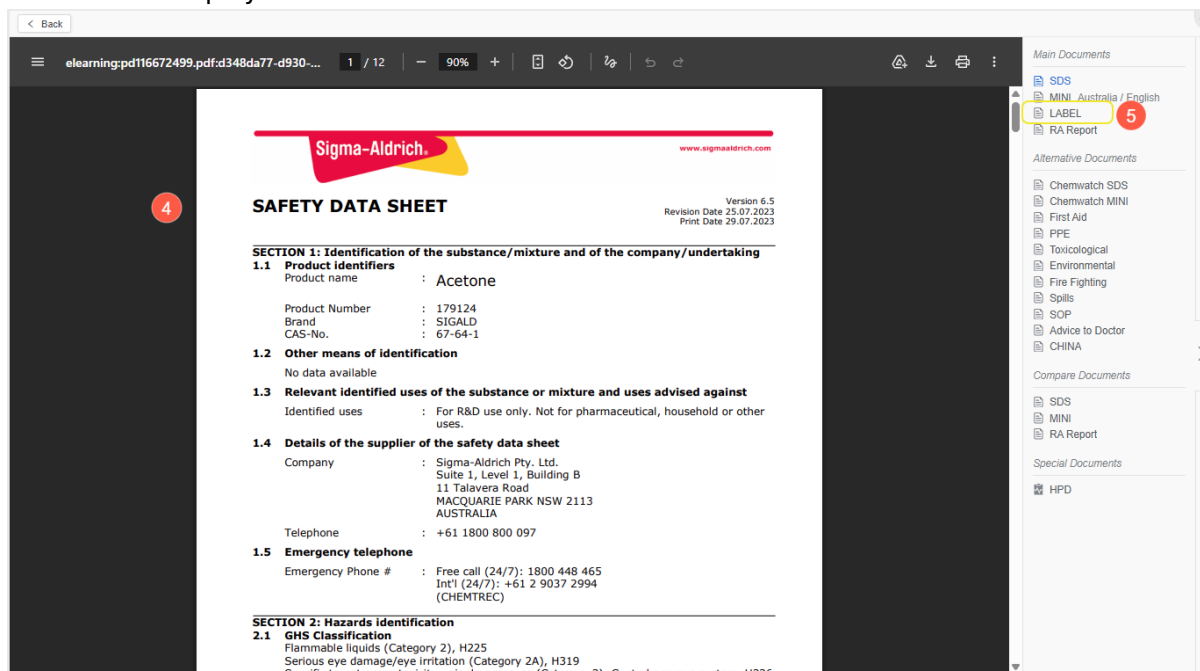
Steps: Viewing a Label Document from the Side Panel's Main Documents Option

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Product Name** listed in the folder inventory.
4. Vendor SDS is displayed.



The screenshot shows the Chemwatch interface. On the left, the 'Folder' location is selected, and the 'Analytical Lab' folder is highlighted. In the center, the 'Product Name' 'Acetone' is selected. On the right, the 'Vendor SDS Display' is shown, displaying the 'SAFETY DATA SHEET' for 'Acetone' by Sigma-Aldrich. The document is titled 'elearning-pd116672499.pdf:d348da77-d930~...' and is 1 / 12 pages long. The document content includes sections for Identification, Hazards, and Emergency information.

Vendor SDS Display



The screenshot shows the Vendor SDS Display for Acetone. The document is titled 'SAFETY DATA SHEET' and is Version 6.5, Revision Date 25.07.2023, Print Date 29.07.2023. The document content includes sections for Identification, Hazards, and Emergency information. The document is displayed in a viewer window with a toolbar at the top and a sidebar on the right. The sidebar shows the 'Main Documents' list, with 'LABEL' selected. The document content is displayed in a large central area.

5. Select the Main Document **"LABEL"** option on the side panel.
6. A **Label** with product information is displayed based on the Chemwatch default label template.

Label Display

Acetone

Ingredients
acetone, 67-64-1, <=100%

Hazard Statements
H225 - Highly flammable liquid and vapour (H315 - Causes serious eye irritation) (H336 - May cause drowsiness or dizziness).

Precautionary Statements
GHS P Phrases (Prevention): Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking (Use only outdoors or in a well-ventilated area) (Ground and bond container and receiving equipment) (Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment) (Use non-sparking tools) (Take action to prevent static discharges) (Avoid breathing mist/vapours/spray) (Wear protective gloves, protective clothing, eye protection and face protection) (Wash all exposed external body areas thoroughly after handling).

GHS P Phrases (Response): In case of fire: Use alcohol resistant foam or fine spray/water fog to extinguish (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/doctor/physician/first aid if you feel unwell. If eye irritation persists: Get medical advice/attention. (IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower) (IF INHALED: Remove person to fresh air and keep comfortable for breathing.

GHS P Phrases (Storage): Store in a well-ventilated place. Keep cool (Store locked up).

GHS P Phrases (Disposal): Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

1090ADG UN: Hazchem: *2YE

Proper shipping name
ACETONE

For further details please refer to the Safety Data Sheet.

Main Documents
SDS
MINI Australia / English
IABFI
RA Report

Alternative Documents
Chemwatch SDS
Chemwatch MINI
First Aid
PPE
Toxicological
Environmental
Fire Fighting
Spills
SOP
Advice to Doctor
CHINA

Special Documents
HPD

4.1.5 Viewing Risk Assessment Report from Own Inventory Listing

Risk Rating Summary

A Risk Assessment (RA) report is accessible through the rated colour coded RA Report icon.

sh (English) Settings

Placarding Bar

Risk Level 4/4+
Risk Level 3
Risk Level 2
Risk Level 0/1
The displayed Risk Band value has changed. Please review it by clicking into the Control/PPE edit window.

Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory
0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025						4/4+	Risk Assessment	Non Dangerous	
56K-D0094 Dulux Professional Fast ... 31/08/2022 09/01/2023						3		Non Dangerous	
70% ethanol 10/03/2023 17/03/2023						2			
acetone 23/12/2022 06/02/2023						0/1			
acetone 23/12/2022 03/01/2023						0/1			
acetone 08/06/2018 29/02/2020						0/1			

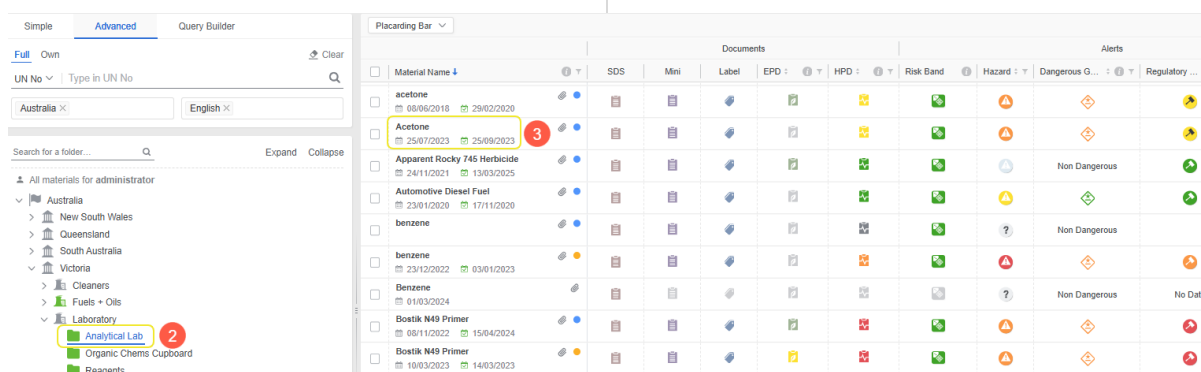
Risk Bands are risk ratings that are automated using default ILO based 5x5 matrix risk calculations.

The **grey risk band** colour coded icon represents the “None” rating for a material that does not have any risk calculation due to non-availability of classification data (neither Chemwatch nor Vendor Data Extraction). The Risk Levels are calculated in consideration of residual risks for determining the appropriate controls. The table below provides the risk rating descriptions.

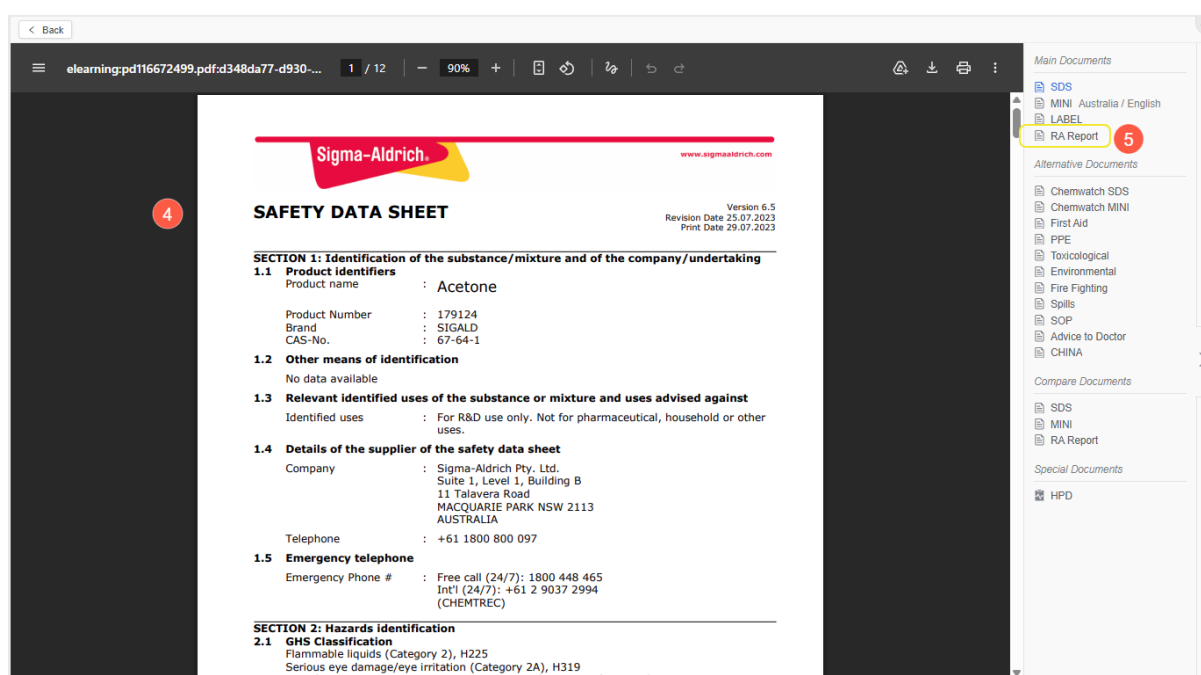
RA Icon	Colour	Risk Band	Conclusion Statement
	Green	Risk Level 0/1	Low risk. Risk assessment data available.
	Yellow	Risk Level 2	Moderate risk. Risk assessment data available.
	Orange	Risk Level 3	High risk. Risk assessment data available.
	Red	Risk Level 4/4+	Extreme risk. Risk assessment data available.
	Grey	No data extracted	Risk assessment data not available.

Steps: Viewing a Risk Assessment Report from the Side Panel's Main Documents Option

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Product Name** listed in the folder inventory.
4. Vendor SDS is displayed.



The screenshot shows the GoldFFX interface. On the left, the 'Folder' location is selected in the side panel. In the main area, a table lists materials. The 'Acetone' entry is highlighted with a red circle (3). The 'RA Report' column for Acetone is also highlighted with a red circle (5). The 'RA Report' column contains a link to the report.



The screenshot shows the Sigma-Aldrich SAFETY DATA SHEET for Acetone. The document is titled 'SAFETY DATA SHEET' and includes the following sections:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking**
 - 1.1 Product identifiers**
 - Product name : Acetone
 - Product Number : 179124
 - 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., Suite 1, Level 1, Building B, 11 Talavera Road, MACQUARIE PARK NSW 2113, AUSTRALIA
 - Telephone : +61 1800 800 097
 - 1.5 Emergency telephone**
 - Emergency Phone # : Free call (24/7): 1800 448 465, Int'l (24/7): +61 2 9037 2994 (CHEMTREC)
- SECTION 2: Hazards identification**
 - 2.1 GHS Classification**
 - Flammable liquids (Category 2), H225
 - Serious eye damage/eye irritation (Category 2A), H319
 - Specific target organ toxicity - single exposure (Category 3), H336

The document also includes a sidebar with 'Main Documents' and 'Alternative Documents'.

5. Select the Main Document “**RA REPORT**” option on the side panel.

6. A **RA REPORT** with product assessment information is displayed based on the Chemwatch automated risk rating system.

The screenshot displays the 'HEALTH RISK ASSESSMENT REPORT' for 'acetone liquid'. The report is structured as follows:

- Header:** Country (Australia), Language (English), Report Format (GHS).
- Location:** Australia/Victoria/Laboratory/Analytical Lab. Risk assessment for: No Task Defined / Job name:
- Hazard and Risk Summary:**
 - THE HAZARD: 2 Moderate
 - THE RISK: 1 Low
 - Controls Adopted: Local Exhaust / Fume Hood / Physical Barrier
 - Respiratory Protection Factor: 4
- Ingredients Table:**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
acetone	67-64-1	95-99.5	1185 mg/m3	2375 mg/m3
- Warnings:**
 - Dangerous in contact with skin and/or eyes
 - Use Intrinsically Safe Equipment - Keep away from open flame or sources of ignition
- 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
- Hazard statement(s):**
 - Highly flammable liquid and vapour.
 - Causes serious eye irritation.
 - May cause drowsiness or dizziness.
 - Repeated exposure may cause skin dryness and cracking.
- Persons Potentially At Risk are:**
 - Those with eye complaints
 - Those working in confined spaces
- PERSONAL PROTECTIVE EQUIPMENT:** Short Gloves, Overalls, Boots, Half-Face Respirator, Goggles, Spark Proof Fan, Physical Barrier.
- EMERGENCY:** Evacuate, Water.
- HEALTH HAZARDS:** Eye irritant, Repeated exposure to Skin, Vapours Drowsiness or dizziness.
- FIRST AID:** Rest, Eye wash, Wash body.
- Precautionary statement(s): Prevention:**
 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - Use only outdoors or in a well-ventilated area.
 - Ground and bond container and receiving equipment.
 - Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
- Precautionary statement(s): Response:**
 - In case of fire: Use alcohol resistant foam or normal protein foam to extinguish.
 - 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/doctor/physician/first aider if you feel unwell.
 - If eye irritation persists: Get medical.
- Side Panel (Main Documents):**
 - SDS
 - MINI Australia / English
 - LABEL
 - RA Report** (highlighted)
 - Compare Documents
 - SDS
 - MINI
 - Special Documents
 - HPD
 - Emergency Response Reports
 - First Aid
 - PPE
 - Toxicological
 - Environmental
 - Fire Fighting
 - Spills
 - SOP
 - Advice to Doctor
 - CHINA

4.1.6 Viewing and Interpreting Hazard Summary Information

Chemwatch developed a Hazard Rating criteria based on the standardized **GHS** framework (United Nations Global Method) for the classification, understanding, interpretation and communicating the potential hazards associated with chemicals. This classification system uses the following categories to convey information about the physical, health and environmental hazards posed by a chemical:

- Pictograms (9 GHS symbols)
- Signal words (Danger or Warning)
- Hazard Statements (H Codes)
- Precautionary Statements (P Codes)

The **Alerts** header consists of a **Hazard** column which provides users with the **Chemwatch Hazard Rating**. The hazard rating information is dependent on the availability of the GHS classification information for the specific product.

The GHS provides an internationally consistent method to classify chemicals, enabling manufacturers, importers, suppliers, and users of chemicals to identify their hazards. In Australia, manufacturers and importers from January 2023 can only use GHS7 to classify, label and prepare SDS for hazardous chemicals.

The classification process assigns hazardous chemicals categories stemming from the hazard classification criteria, which includes:

- Physical hazards, e.g., flammability
- Health hazards, e.g., carcinogenicity, toxicity
- Environmental hazards, e.g., aquatic environmental hazards

Example of GHS Classification of Benzene

Benzene (C₆H₆) is an organic compound, commonly used chemical in the laboratory as a solvent and a precursor for the synthesis of other organic compounds like plastics, resins, rubber lubricants, dyes, and synthetic fibers.

GHS Classification of Benzene	
GHS Classification(s)	Flammable Liquids - Category 2 Aspiration Hazard - Category 1 Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Eye Irritation - Category 2A Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) - Category 3 Germ Cell Mutagenicity - Category 1B Carcinogenicity - Category 1A Reproductive Toxicity - Category 1B Specific Target Organ Toxicity - Repeated Exposure - Category 1 Hazardous to the Aquatic Environment Acute Hazard Category 2
Signal Word	Danger
Pictogram(s)	
Hazard Statement(s) and Codes	H225 - Highly flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H340 - May cause genetic defects H350 - May cause cancer H360Fd - May damage fertility. Suspected of damaging the unborn child H372 - Causes damage to organs through prolonged or repeated exposure H401 - Toxic to aquatic life

Hazard Rating Summary

Chemwatch uses the hazard rating criteria to calculate the hazardous chemicals ratings in your inventory folder. The table below shows the ratings visible in the materials grid's hazard filter column. These ratings (0, 1, 2, 3, 4,) are shown in colour coded icons signaling the hazard level of the chemical.

Hazard Rating Column Filter

☐	Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...
☐	12.5% Bleach 01/02/2019 09/05/2020						
☐	2 Triflora 13/08/2020						
☐	Acetone 29/03/2020 07/11/2020						
☐	Agar Solspray 01/09/2021 22/11/2021						
☐	Amino acid Standard 13/05/2022 24/01/2023						
☐	Ammodet 01/07/2016 29/08/2020						

☐ ? No Data
☐ 0 Minimum
☐ 1 Low
☐ 2 Moderate
☐ 3 High
☐ 4 Extreme

Chemicals that meet the criteria are flagged in the hazard column with the applicable calculation rating where classification data is available. The hazard rating conclusion about the nature of the chemical is provided in the table below.

Hazard Rating Conclusion

Cat Name	Hazard Icon	Rating Number	Hazard Rating Level	Conclusion Statement
Product Name		0	None	Nonhazardous
		1	Low	Low hazard
		2	Moderate	Moderately hazardous
		3	High	Highly hazardous
		4	Extreme	Extremely hazardous
		Question mark	Unknown	Hazard information or data not available

For more details on the hazard rating algorithm works, contact helpdesk@chemwatch.net.

If an inventory list in a folder contains a hazardous chemical in the system, the hazard signal/alert icon will show the respective hazard rating, e.g., Benzene is rated as an extremely hazardous chemical with the rating as shown below.

Placarding Bar		Documents							Alerts			
☐	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...			
☐	trifluoroacetyl chloride 13/10/2023 23/10/2023											
☐	Shell Benzene 10/03/2023 24/03/2023											
☐	ACTROL R507 05/07/2021 29/06/2024									Non Dangerous		
☐	Waste Motor Oil 25/04/2021 16/10/2022											

4.2 What is a Manifest in the System?

Hazardous chemicals that are present in the workplace must be recorded including the amounts held in specific locations. The sites holding hazardous chemicals must have signs or placards as a communication tool to inform workers and the public about the chemical dangers. Most importantly, as part of the emergency plans, this is a requirement for emergency services to have instant access to the manifest and placards for chemicals that exceed certain threshold amounts as prescribed by the respective regulatory requirements in jurisdictions or states. Having this information at hand provides fire brigades with the knowledge to take the necessary actionable activities that may arise due to incidents, accidents, and any emergency situations. Businesses or organisations are required by law to set up a register of hazardous chemicals used, stored, or handled at the workplace. This register must be kept at the workplace, readily accessible to workers and any person likely to be exposed to or affected by these chemicals.

The register must also be kept up to date and should include chemicals that are classified as hazardous. The hazardous register must be accompanied by a current SDS for each chemical listed. Various jurisdictions, countries, or states have specific templates' datapoints that must be tailored in a hazardous chemical register which ensures uniform compliance reporting requirements to be met. There are exceptions about chemicals that can or may not be included in a hazardous chemical register. It is advisable to refer to your country's specific regulatory requirements for specific compliance information regarding the manifest and reporting requirements.

In Australia, the WHS Regulations, each state or territory have specific requirements, such as if a business or organisation stores hazardous chemicals in large quantities, may need a manifest which must include:

- Quantities of hazardous chemicals
- Classification
- Location
- Site plans
- Emergency contact details

The placarding and manifest threshold quantities of hazardous chemicals stipulations are provided in Schedule 11 and the information required in Scheduled 12.

An example of Schedule 11: Placarding and Manifest Quantities

Column 1	Column 2	Column 3	Column 4	Column 5
Item	Description of Hazardous Chemical		Placard Quantity	Manifest Quantity
1	Flammable gases	Category 1A, category 1B or any combination of categories 1A and 1 B	200L	5000L
2	Gases under pressure	With acute toxicity, categories 1,2,3 or 4	50L	500L
3		With skin corrosion categories 1A, 1B or 1C	50L	500L
4		Not specified elsewhere in this Table	1000L	10 000L

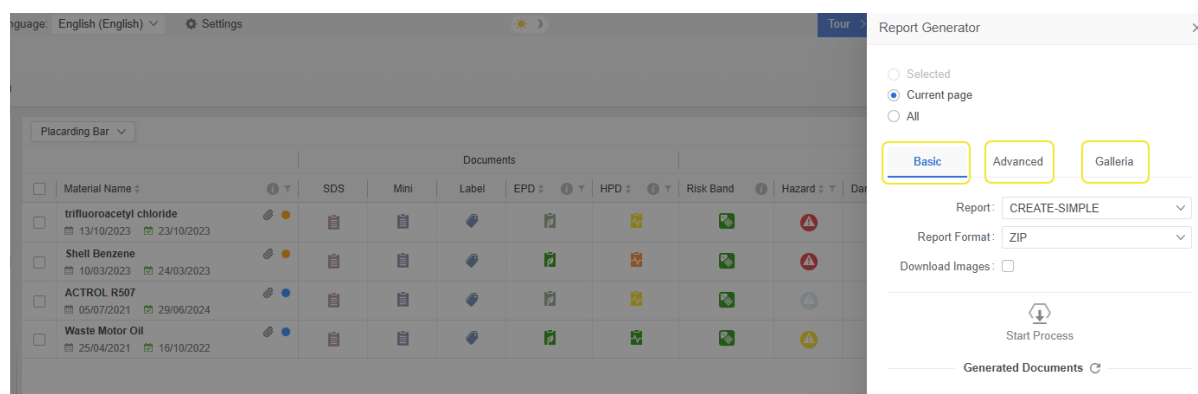
The GoldFFX system architecture allows users to create a folder structure to house the inventory of chemicals which represents a digital site map. The basic flow of activities for creating a manifest includes:

- Creation of a folder structure (site map)
- Adding material SDS to those folders to have an inventory list
- Adding volume/weight of chemicals
- Generating various types of reports and spreadsheets based on data points drawn from the Report Generator's method builder



Report Generator Button

The **Report Generator tool** enables users to use Basic, Advanced and Galleria modes to generate manifest related data through spreadsheet templates that are available in the Basic mode or create user defined templates in the Advanced and Galleria modes. More information on how to use this feature is provided in the section "[Create Templates and Export Reports](#)".



Creating a Manifest in the System

Creating a manifest in the system involves several paramount activities.

- Create a digital folder structure based on a site map
- Search and add materials into folder locations

- Edit volume or weight of each material
- Create a manifest report using method builder to export data

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

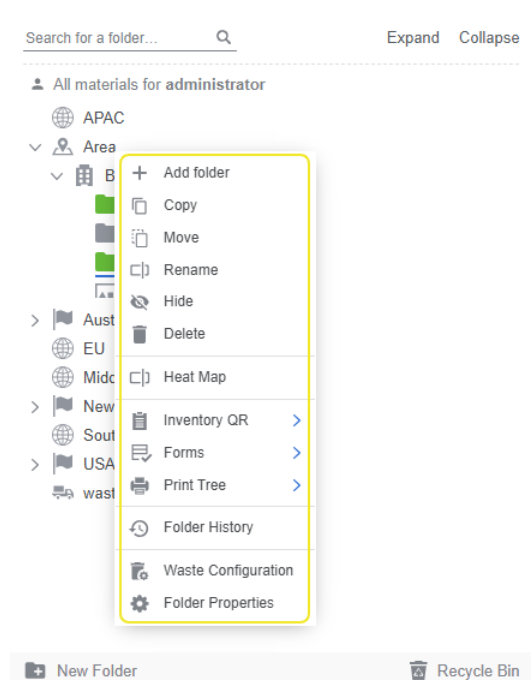
4.2.1 Folder Types and Properties

The primary purpose of creating a folder structure is to have a digital site map based “custom library” of folders based on all the sites and storage locations of chemicals at the workplace. This custom library will contain an inventory of materials and SDS in the respective folders representing the actual areas, sections, and the locations where the chemicals are stored. Folders may be created at global level or at the local level to represent a digital Manifest site map of chemical locations.

Global Folder Property		Local Folder Property	
• Region		• Area	
• Country		• Section/Building	
• State		• Room/Location	
• Site		• Store/Storage	

Folder management in the GoldFFX system’s hierarchical folder structure may involve best practices in organizing a systematic way to enhance the ease of navigation and accessibility, especially when managing a huge Manifest folder structure such as global sites in various regions, countries, states, sites, buildings, departments where big organisations or global businesses operate.

Folder Right-Click Function and Descriptions



Folder Right Click Function	Icon	Description
Add Folder	+	Create a single folder and set folder properties
Copy		Copy a folder and its content to another folder location
Move		Move a folder and its content into another folder location
Delete		Remove a folder and its content into the recycle bin
Rename		Change the name of a folder
Hide		Hide a folder
Heatmap		Create heatmap, floorplans, 3D view or upload plans
Inventory QR		Produces a default QR Code Label that can be scanned using a scanner or mobile camera to display the active folder's chemical inventory list
Print Tree		Generates the tree structure in pdf format with date/time stamp and folder location path
Folder History		Folder activity history log
Folder Properties		Folder attributes: folder name, folder type, store materials, share to the world, country, language MFA,
Forms		This feature draws forms from the form builder module.
Waste Configuration		Configure a folder to be a waste folder

Folder Properties – Folder Types

Add New Folder ✕

Folder Properties SISOT Folder Settings

* Folder Name:

* Folder Type: Region

Folder owner: Area

Building

Business Occupancy

Detached Building

Assembly Occupancy

Educational Occupancy

Factory Industrial Occupancy

* Countries: Institutional Occupancy

* Languages: Mercantile Occupancy

Region

☐ Copy country and language to all subfolders

☐ Replace country and language for all subfolders

☐ Manifest Facility Area

The key objective is to consider the system's folder properties and options available to accurately have a logical organisation of folders for the ease of retrieval of data and avoiding too many nested subfolders. The table below provides a summary of the folder types, icons, and descriptions.

Folder	Folder Type	Use
	Folder	General folder
	Administrator folder	Administrative folder
	Favorites	Favorites folder
 	Green folders	Storage folder
 	Grey folders	Administrative and Occupancies folders
	Red folders	Waste Dispatch Area, Waste Intermediate Area
	Recycle Bin folder	Archive folder for deleted material or folders

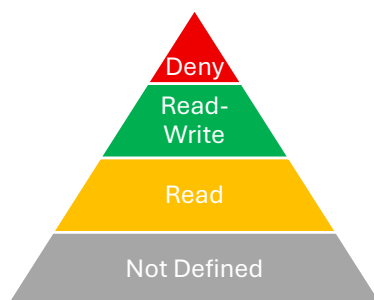
Folder Permissions

Folder permissions refer to a set of rules based on access rights and attributes that determine what actions users or groups can perform on a specific folder. These permissions control activities such as viewing, editing, creating/adding, deleting, moving, or even blocking access or hiding certain folders. Users can be assigned to any of the four main types of folder permissions by the domain administrator of the system within your organisation.

- Deny
- Not defined
- Read
- Read-write

These types of folder permissions hold specific weight with regards to the level of impact to user security to folders and material data handling or distribution.

Folder Permission Weight - Hierarchy of Control



The table below provides summary descriptions of folder permissions with respect to the type of access end users may have to be able to view or edit material inventory in folders.

Permission	Description	Permission Weight
Deny	- A user will not have access to the folder - Folder structure(s) or any branches will not be displayed in the tree if all folders have “Deny” permission - If a parent folder has “Deny” permission and the subfolders have “Read/Write”, the parent folder will display as “Hidden” - Material inventory in a “Deny” folder will not be searchable from the “Own” search	This is the ultimate permission control. It overrides any other folder permission and takes precedent.
Not Defined	- Full access to folders - Create folders and subfolders - Edit Folders - Delete Folders - Apply folder properties	Attributes: Copy, move, remove, rename folders are applicable. However, this permission is also subject to specific privileges such as “Rename folder”. If a user with read/write folder permission is not assigned to “Rename” privilege, then user cannot rename the folder even though user has read/write permission.
Read 	- Read only access to folders - Open folders to view materials - Read information in materials grid - Read only folders can be copied under folders with Read/Write permission but not to the root	Read only folders cannot be modified, changed, or edited. Folders cannot be created as subfolders for Read-Only folders. A user with rights to copy materials from Read-Only folder to a Read/Write folder can edit in that latter folder after that operation.
Read-write 	- Users can view folders - Folders are never hidden	This is the default access to folders. This folder permission has the lowest weight as per the hierarchy of folder permissions.

Permission	Description	Permission Weight
	Material inventory in a “Not Defined” folder will not be searchable from the “Own” search.	Any other folder permission can override “Not Defined” permission.
i Note that privileges play a significant role in folder access and operations such as renaming folders even if a user has read/write folder permission.		

Folder Types

When creating folders, there are folder types that can be selected for specific conditional properties.

- General folder
- Administrative folder
- Folder Occupancies
- Storage folder
- Recycle bin folder

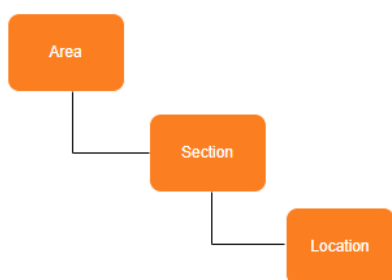
Folder Icon	Colour	Folder Type	Conditions
	Orange	Generic folder	General folder.
	Blue	Administrator folder	Materials are allowed to be stored in this type of folder, users with edit rights will be able to store materials in this folder and when this occurs, it will turn into a green folder
	Green	Storage folder	Materials are allowed to be stored in this type of folder. Users with edit rights will be able to store materials in this folder.
	Grey	New Folder	Enables users to add a new folder.
	Grey	Recycle bin	Archive of deleted folders or materials. Users can access delete items and restore any deleted records.

The following sections delve into how to create a folder structure that encompasses a global outlook and a localised site map.

4.2.2 Create a Parent Folder (Area)

Folder Add/Edit Function	Attribute
Add+ Folder	Users can create (add) a folder on any node. All newly created folders will default to empty folders.
Folder Properties	The folder properties feature enables users to edit folders and respective attributes.

A folder structure may represent actual sites at a global level of business operations to the nth nested node, the lowest level of storage where chemicals are used or stored on premises (**Areas, Sections and Locations**).



Consider the following folder category nodes and descriptions before creating a manifest folder tree structure based on your organisational site map.

Folder Icon	Folder Type	Attribute	Folder Tree Node
	Area	The Area 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 Building .	Level 2
	Location	The location node can be set as a Storage folder (child) under the section (building) node.	Level 3

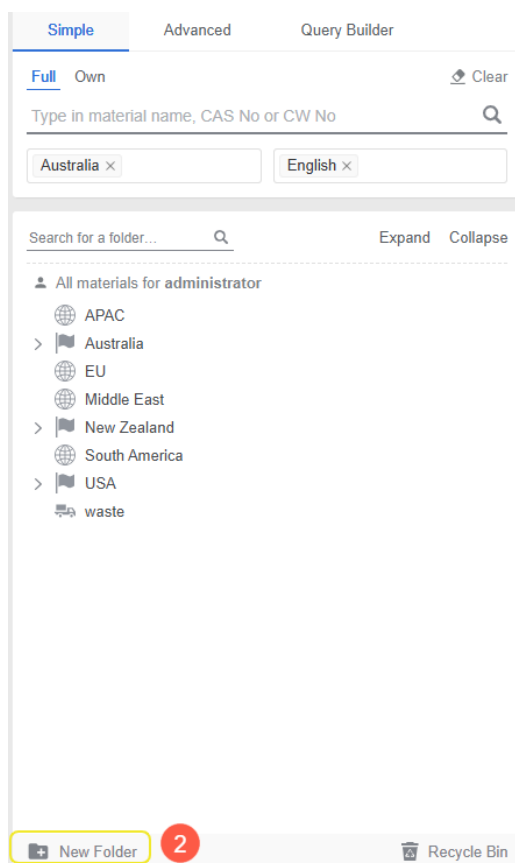
The following steps show how to create a local folder, e.g., Area folder.

Steps: How to Create Area Folder

1. Open **Home** module .
2. Click the **New Folder** button located on the bottom left corner of the folder panel to create a folder.
3. The folder properties window opens and defaults to the folder properties
8. Select the **Country** applicable for the folder to associated material SDS.
9. Select the **Language** applicable to associate material SDS.
10. Other optional folder properties include:
 - Applying the current folder properties to this new folder to be created

tab. Type the **Name of the folder** in the folder name text field (note that this is a required field), e.g., Area.

4. Click on the **Folder Type** drop down arrow to list the types of folders.
5. Scroll down the list to select the **folder type**, e.g., Area .
6. Folder Owner is optional. Click this field to set the owner (checkbox ☐ of the folder from the dropdown users list.
7. **Store materials checkbox** ☐ is checked by default for Storage folder type to allow the storing of materials. Materials are not allowed to be stored at the area level, the Area “Store Materials checkbox” is unchecked by default.

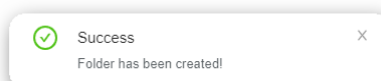
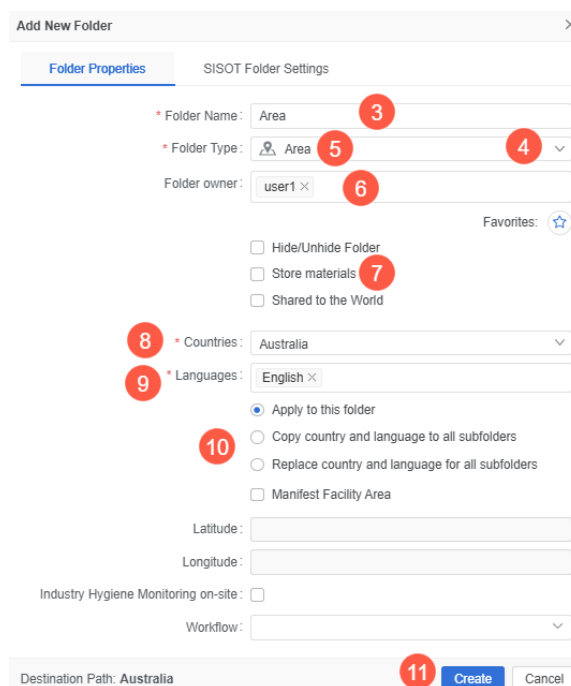


- Copying country and language for all subfolders
- Replacing country and language for all subfolders

Use the radio buttons to mark  respective option of interest to apply those attributes to subfolders.

11. Click the **Create** button .

A message confirms the newly created Area folder.

 If a user does not have the “Edit Rights” permission to create/edit folders, consult with the administrator of the system within your business or organisation to grant the respective folder permission (Read-Write), including consideration to renaming folders privilege.

4.2.3 Create a Subfolder (Section)

A subfolder is a folder (child) that is located within another folder (parent) as part of a hierarchical system of organising the inventory and SDS locations in the folder structure. Subfolders enable users to further divide the digital site map into various folder types up to the n^{th} level depending on the size of the business or organisation. This hierarchical representation of folders allows easier access and navigation of the digital site map more efficiently, especially for very large sites or businesses operating and having a global presence under the same licensed domain.

Reflect the following folder category nodes and descriptions before creating a manifest folder tree based on your business site map where chemicals are stored.

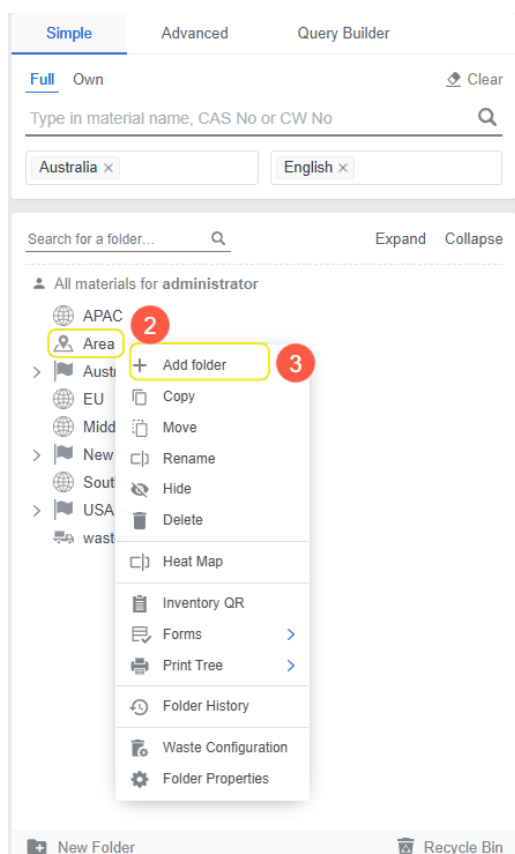
- Area
- **Section**
- Location

Folder Icon	Folder Type	Attribute	Folder Node
	Area	The Area 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 Building .	Level 2
	Location	The location node can be set as a storage folder (child) under the section (building) node. This node can be designated as Storage .	Level 3

Steps: How to Create a Subfolder (Section)

1. Open **Home** module
2. **Right click** on the Area folder.
3. Select the **Add Folder** option from the context menu.
4. Type the **Name** of your subfolder, e.g., Building.
5. Click on the **Folder Type** drop down arrow to list the types of folders.
6. Scroll down the list to select the appropriate **type of folder**, e.g., Building .

7. **Folder Owner** is optional. Click this field to set the owner (checkbox ☐) of the folder from the dropdown users list.



12. Click the **Create** button .

A message confirms the newly created Area folder.

8. **Store materials checkbox** ☐ is checked by default for Storage folder type to allow the storing of materials. Materials are not allowed to be stored at the area level, the Area “Store Materials checkbox” is unchecked by default.
9. Select the **Country** applicable for the folder to associated material SDS.
10. Select the **Language** applicable to associate material SDS.
11. Other optional folder properties include:
 - Applying the current folder properties to this new folder to be created
 - Copying country and language for all subfolders
 - Replacing country and language for all subfolders

Use the radio buttons to mark  respective option of interest to apply those attributes to subfolders.

4.2.4 Create a Folder for a Location (Storage)

A user that has been granted read-write permission to the folder structure or specific location folder will be able to create (add/edit) new folders or add subfolders to existing folders. Consider the following folder category nodes and descriptions before creating a manifest folder tree based on site map.

- Area
- Section
- **Location**

Folder Icon	Folder Type	Attribute	Folder Node
	Area	The Area 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 Building .	 Level 2
	Location	The location node can be set as a storage folder (child) under the section (building) node. This node can be designated as Storage .	 Level 3

In this example, the location folder is considered as a storage folder where all the chemicals in this site are located. The steps below demonstrate **how to create a Storage folder (Location)** under the Building  folder (Section) node as level 3.

Steps: How to Add a Storage Folder

1. Open **Home** module .
2. **Right click** on the Area folder.
3. Select the **Add Folder**  option from the context menu.
4. Type the **Name** of your subfolder, e.g., Storage.
5. Click on the **Folder Type** drop down arrow to select the appropriate **type of folder**, e.g., Storage .
6. **Folder Owner** is optional. Click this field to set the owner (checkbox ☐) of the folder from the dropdown users list.
7. **Store materials checkbox** ☒ is checked by default for Storage folder type to allow the storing of materials.
8. Select the **Country** applicable for the folder to associated material SDS.
9. Select the **Language** applicable to associate material SDS.
10. Other optional folder properties include:
 - Applying the current folder properties to this new folder to be created
 - Copying country and language for all subfolders
 - Replacing country and language for all subfolders

Use the radio buttons to mark  respective option of interest to apply those attributes to subfolders.
11. Click the **Create** button .

Search for a folder... Expand Collapse

All materials for administrator

- APAC
- Area
 - Building
 - Add folder
 - Copy
 - Move
 - Rename
 - Hide
 - Delete
 - Heat Map
 - Inventory QR
 - Forms
 - Print Tree
 - Folder History
 - Waste Configuration
 - Folder Properties
 - Australia
 - EU
 - Middle East
 - New Zealand
 - South America
 - USA
 - waste

New Folder Recycle Bin

Folder Properties IFC SISOT Folder Settings

* Folder Name: Storage

* Folder Type: Storage

Folder owner: Type an owner

Hide/Unhide Folder

☒ Store materials

☐ Shared to the World

* Countries: Australia

* Languages: English

☒ Apply to this folder

☐ Copy country and language to all subfolders

☐ Replace country and language for all subfolders

☐ Manifest Facility Area

Latitude:

Longitude:

Industry Hygiene Monitoring on-site: ☐

Workflow:

Destination Path: Area/Building

Create Cancel

Success
Folder has been created!

A message displays confirmation of successful operation.

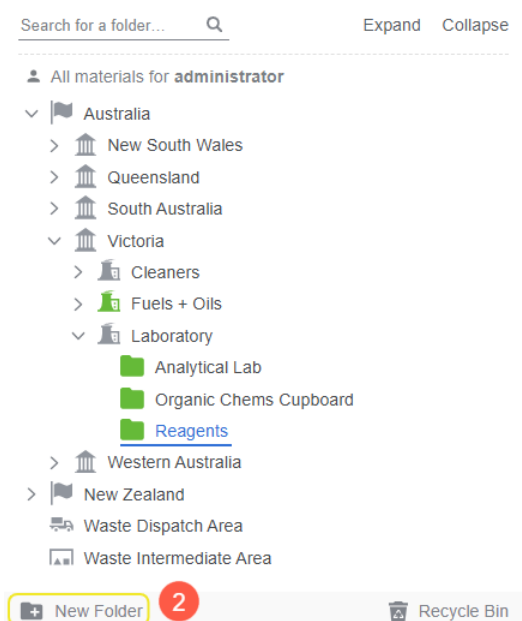
4.2.5 Setting a Folder as a Manifest Facility Area

A Manifest Facility Area (MFA) is a designated location within a facility or site, plant, warehouse or operational environment where incoming and outgoing materials are formally received, verified, recorded, tracked and controlled through manifest reporting processes for compliance and quantity verification requirements. The MFA supports compliance with dangerous goods regulatory, hazardous materials and environmental regulations and work health and safety laws.

When a folder is set as MFA, it will inherit the manifest facility area to apply this feature to identify the folder (location, occupancy) for the calculation and logic that drives the SARA Reporting whereby the SARA filter has all the latest requirements adopted by OSHA. The filter employs the maximum volume/weight as the main reference for maximum and average daily amount calculations and reporting. By default, folder occupancies will be color coded grey, regardless of the location on the tree.

The steps below show to add a new folder as a Manifest Facility Area.

Steps: How to Create a Manifest Facility Area Folder

1. Open **Home** module .

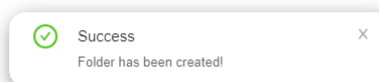
2. Click the **New Folder** button located on the bottom left corner of the folder panel to create a folder.
3. The folder properties window opens and defaults to the folder properties tab. Type the **Name of the folder** in the folder name text field (note that this is a required field), e.g., Area.
4. Click on the **Folder Type** drop down arrow to list the types of folders.
5. Scroll down the list to select the **folder type**, e.g., Area .
6. Folder Owner is optional. Click this field to set the owner (checkbox ☐ of the folder from the dropdown users list.
7. **Store materials checkbox** ☐ is checked by default for Storage folder type to allow the storing of materials. Materials are not allowed to be stored at the area level, the Area “Store Materials checkbox” is unchecked by default.

8. Select the **Country** applicable for the folder to associated material SDS.
9. Select the **Language** applicable to associate material SDS.
10. Other optional folder properties include:
 - Applying the current folder properties to this new folder to be created
 - Copying country and language for all subfolders
 - Replacing country and language for all subfolders

Use the radio buttons to mark  respective option of interest to apply those attributes to subfolders.

11. Select the **Manifest Facility Area** checkbox ☐ to set it as an MFA folder.
12. Click the **Create** button .

A message confirms the newly created Area folder.



The screenshot shows the 'Add New Folder' dialog box. It has two tabs: 'Folder Properties' (selected) and 'SISOT Folder Settings'.

- Step 3: 'Folder Name' text field containing 'Area'.
- Step 4: 'Folder Type' dropdown menu showing 'Area'.
- Step 5: 'Folder owner' dropdown menu showing 'user1'.
- Step 6: 'Folder owner' dropdown menu showing 'user1'.
- Step 7: 'Store materials' checkbox, which is unchecked.
- Step 8: 'Countries' dropdown menu showing 'Australia'.
- Step 9: 'Languages' dropdown menu showing 'English'.
- Step 10: Radio buttons for applying properties to subfolders. The first option, 'Apply to this folder', is selected.
- Step 11: 'Manifest Facility Area' checkbox, which is unchecked.
- Step 12: 'Create' button at the bottom right.

 Other visible fields include 'Latitude', 'Longitude', 'Industry Hygiene Monitoring on-site' (checkbox), 'Workflow' dropdown, and 'Destination Path' (Australia).

4.2.6 Folder Menu and Edit Properties

This sub-topic covers the following activities:

- [Copy a folder](#)
- [Move a folder into another folder](#)
- [Rename a folder](#)
- [Delete a folder](#)
- [Restore a deleted folder](#)
- [Edit folder properties](#)



Editing folders typically involve modifying various attributes or properties associated with them within a file management system or software application. Here are some common aspects of editing folders.

[Adding or Removing Folders and Subfolders](#)

Users can create or add new folders and subfolders within existing folders to further organise them. Conversely, they can also delete unnecessary folders or subfolders to simplify the folder structure or to update and match existing sites or storage locations on the ground to reflect those changes in the digital custom library.

[Renaming Folders](#)

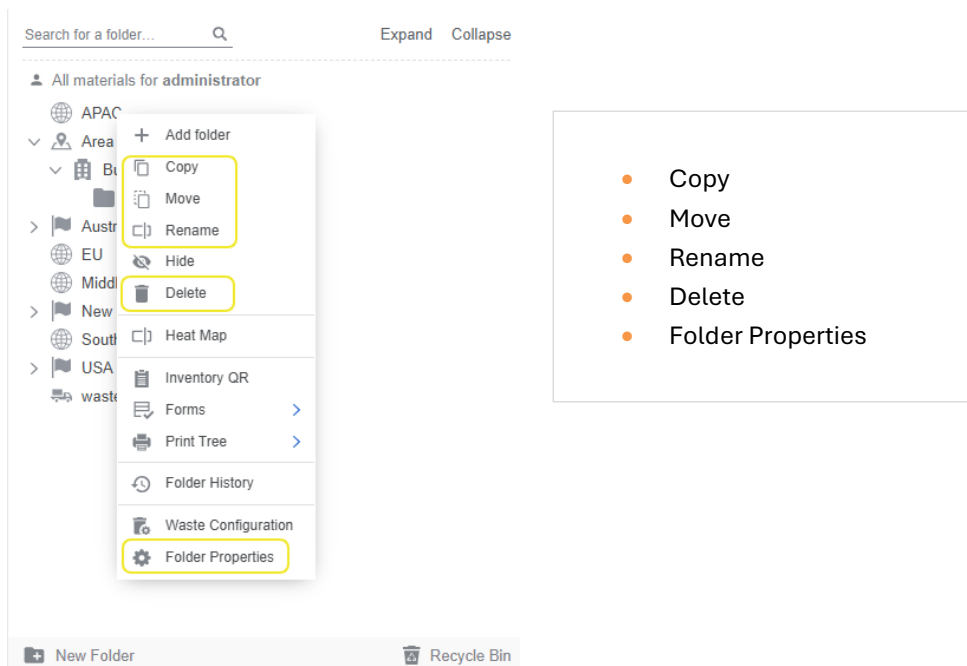
Users can change the name of a folder to better reflect its contents or purpose. This helps in organising and categorising files effectively.

[Moving or Reorganizing Folders](#)

Folders can be moved within the directory structure to rearrange the hierarchy or to better fit the overall organisational scheme. This ensures that folders are logically grouped and easily accessible.

[Changing Folder Permissions](#)

Administrators or users with appropriate privileges can adjust the permissions assigned to a folder, determining who can access, modify, or delete its contents.



Customising Folder Properties

Depending on the folder management attributes, users might have the option to customise various properties of a folder, such as its icon and color-coding for easier identification and differentiation.

Setting Folder Attributes

The administrator can allow specific users to set attributes for folders, such as read-only status, which can affect how other users access folders. Overall, editing folders is essential for maintaining an organised and efficient folder management system, ensuring that data content is stored in a way that facilitates easy retrieval and collaboration while adhering to security and access control policies. Users who have been granted read-write folder permission will be able to edit folders.

Permission	User Interface Attribute	Folder Node Edit
Read-write 	Users can view folder content (register of material inventory) and edit content (folders, materials, volume/weight, part numbers, preferred names, etc.)	 View and Edit

Folder Edit Functions

The folder edit menu contains specific edit options that enable users to use the right click functions. The folder edit menu contains specific task options that enable users to create, copy, move, paste, rename, remove, and edit folder properties. These edit options provide users with the ability to edit any folders where permissions have been granted.

Permission	User Interface Attribute	Folder Node Edit
Read-write 	Users can view and edit folder content if granted the appropriate edit rights.	 View and Edit

Right Click Edit Options	Move Folder by Drag and Drop
- Add folders - Delete existing folders - Rename existing folders - Update folder properties	Move folders by drag and drop – select and drag source folder to the destination folder location.

The other folder menu options: Print Tree, Hide, Forms, Item History, Folder Properties will be discussed in subsequent topics.

Folder Menu	Attribute
Add Folder	Users with folder permissions can create a folder on any node and apply the store materials checkbox ☐ (if applicable) in folder properties to enable the adding materials into it. All newly added folders will default to empty folders.
Copy	Users with folder permission can copy a folder (with its contents) from any node and paste it into another folder. If the folder contains materials
Move	Enables users with folder permission to 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.
Rename	Allows users with folder permission to rename a folder.
Remove	Users with folder permission can remove (delete) a folder from any node. If a folder is deleted, it is automatically moved from its current location into the Recycle Bin.
Print Tree	Users 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 carrying out the print.
Hide	This feature enables users to hide a specific folder from view from other users. Note that this feature can be granted the respective privilege by the administrator.
Forms	This feature enables users to fill in a form assigned to the tree structure folder property. Forms are created through the Form Builder module.
Folder History	This feature enables users to generate folder activity history.
Folder Properties	Folder properties provide users with the ability to edit the folder properties.

More information descriptions are available in following sections on the folder mouse right click menu options.

The following sections show how to copy, move, rename and delete a folder.

- Copying a folder into another folder
- Moving a folder into another folder
- Renaming a folder
- Deleting a folder and its contents

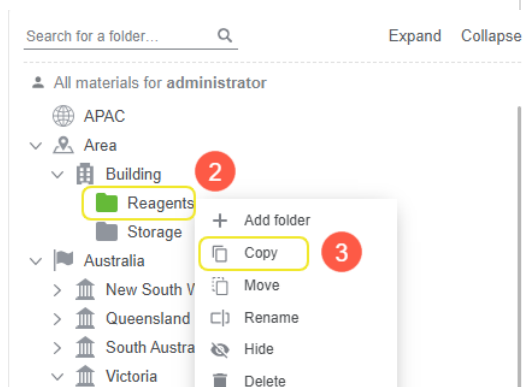
4.2.6.1 Copy a Folder into Another

Folder Edit	Task Attribute	Folder Node Action
Copy 	Users 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 folder and paste it into another folder location.

Steps: Copy a Folder to Another Location

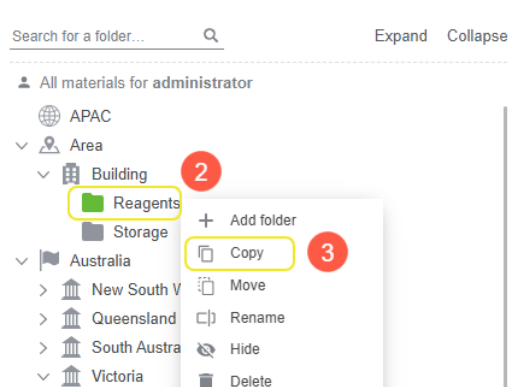
1. Open **Home** module .
2. **Right click** on a folder.
3. Select the **Copy** option from the context menu.
4. **Right click** on the destination folder.
5. Select the **Paste** option from the context menu.



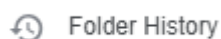
6. Successful operation confirmed.

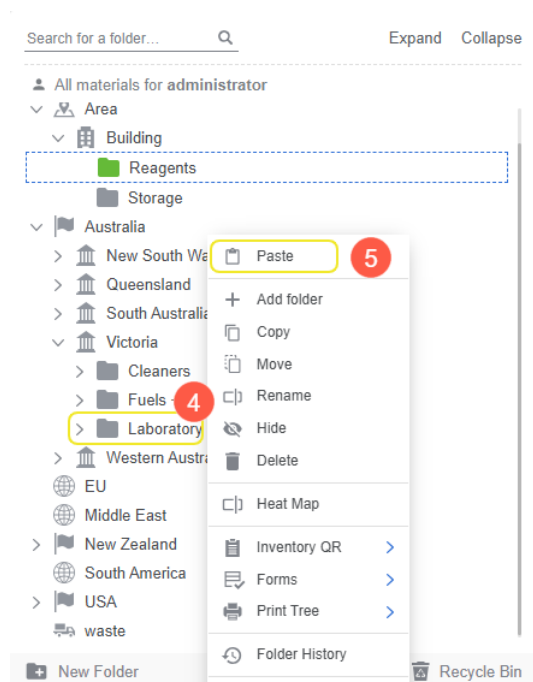


The copied folder is displayed in the specific location node.



A copied folder with an inventory list will carry with it the contents of that folder and also inherit the folder properties of the original folder.





The folder history captures the activity logs where the record data includes:

- Data of activity
- Action carried out
- User
- Source folder
- Destination folder

Folder History Log

Date	Action	Material Name	Vendor	CW No	User	Previous value	Source	Destination
03/02/2026 14:47:06	Copy Item	Waste Motor Oil	Sigma-Aldrich (Merck)	12-04775	administrator	Waste Motor Oil	Lubricants and ...	Reagents
03/02/2026 14:45:55	Copy Item	ACTROL R507	Actrol Parts (a division of GSA Industries)	42-2437	administrator	ACTROL R507	Analytical Lab	Reagents
03/02/2026 14:45:24	Copy Item	trifluoroacetyl chloride	Chemwatch	3057	administrator	trifluoroacetyl chloride	Analytical Lab	Reagents

The next step is to view the inventory of the copied folder to ensure all the materials in that folder have been copied correctly as expected.

- Number of items
- Exact materials copied
- Check the volumes/weights of materials if they were set in the original folder.
- Check if any materials were assigned preferred names
- Check if any materials were assigned part numbers
- Check if any material tags were assigned

Material Name	CAS No	Hazard	Hazard Codes	Country	Language	DG	S1	S2	Vendor
trifluoroacetyl chloride	354-32-5	H280, H302, H314, H318, H331, AUH014, AUH044	AUS	EN	2.3	8			Chemwatch
ACTROL R507	Not Applicable	H281, H420	AUS	EN	Not Applicable				Actrol Parts (a division of GSA Industries)
Waste Motor Oil	75-09-2	H315, H319, H336, H351	AUS	EN	6.1				Sigma-Aldrich (Merck)

4.2.6.2 Move a Folder into Another

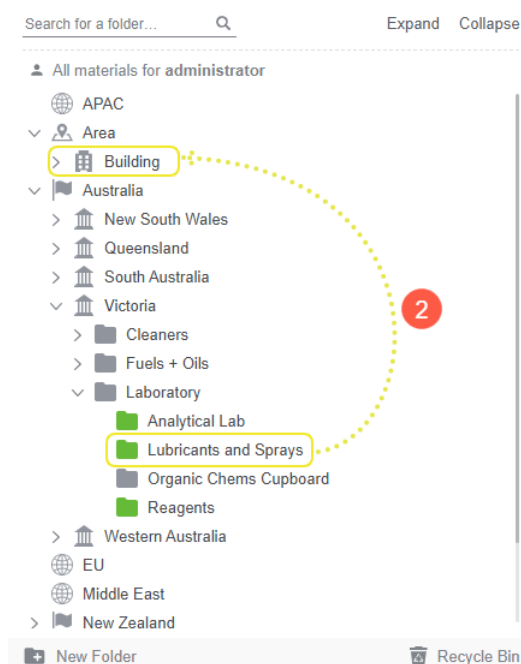
Folder Edit	Task Attribute	Folder Node Action
Move 	Users can move a folder from any node and paste it into another folder. Another way of moving a folder is through the drag and drop function if the user has the appropriate permissions.	 Move folder

Recommend that the folder that needs to be moved must be checked for how much inventory of materials is contained in it to ensure data cross checks tally after the operation.

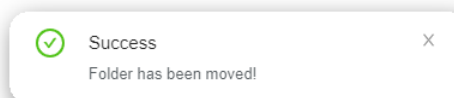
The following steps show how to move a single folder from a folder node by drag and drop function into another folder location.

Steps: Move a Folder to Another Location by Drag and Drop Function

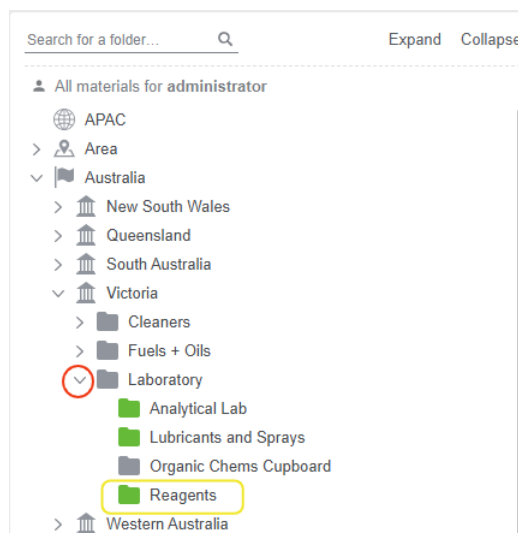
1. Open **Home** module .
2. **Drag and drop** folder from location source folder to the destination folder.



A message confirms the successful operation in moving a folder.



3. Confirm the moved folder in the destination folder by expanding the parent folder.



4.2.6.3 Rename a Folder

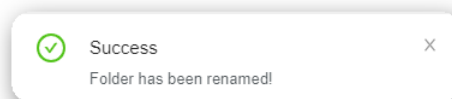
Folder Edit	Task Attribute	Folder Node Action
Rename 	Users can rename a folder by typing a new name at any node if the appropriate permission is granted by the administrator.	 Type a new folder name

The following steps demonstrate how to rename a folder.

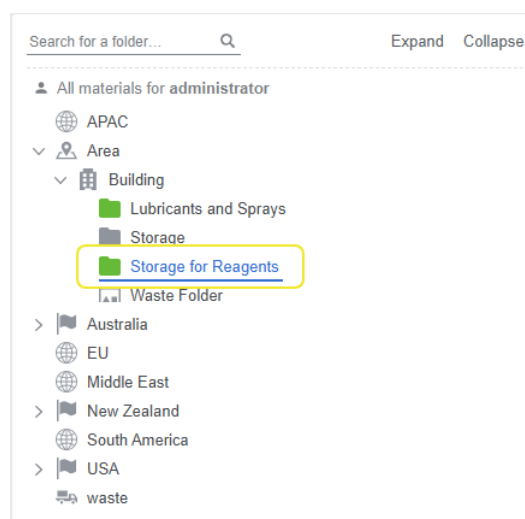
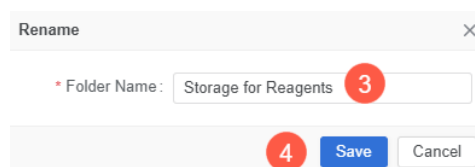
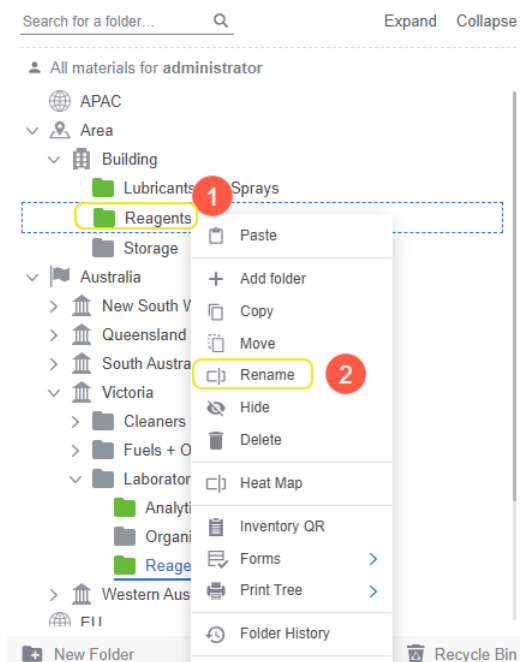
Steps: How to Rename a Folder

1. **Right click** on a folder.
2. Select the **Rename** option from the context menu.
3. Type the **New Folder Name**.
4. Click the **Save** button .

A message confirms the renamed folder.



5. Confirm renamed folder.



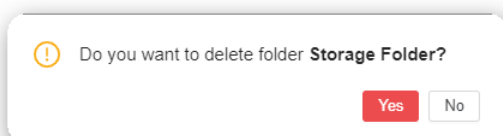
4.2.6.4 Delete a Folder

Folder Edit	Task Attribute	Folder Node Action
Remove 	Users can Delete a folder from any node. If a folder is deleted, it is automatically removed from its current location node into the systems Recycle Bin given that the user has the appropriate permission.	 Recycle Bin keeps the history of deleted items.

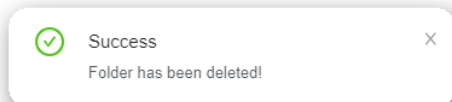
The following steps show how to delete a single folder.

Steps: How to Delete a Folder

1. **Right click** on a folder.
2. Select the **Delete** option from the context menu.
3. Click the **Yes** button to confirm.

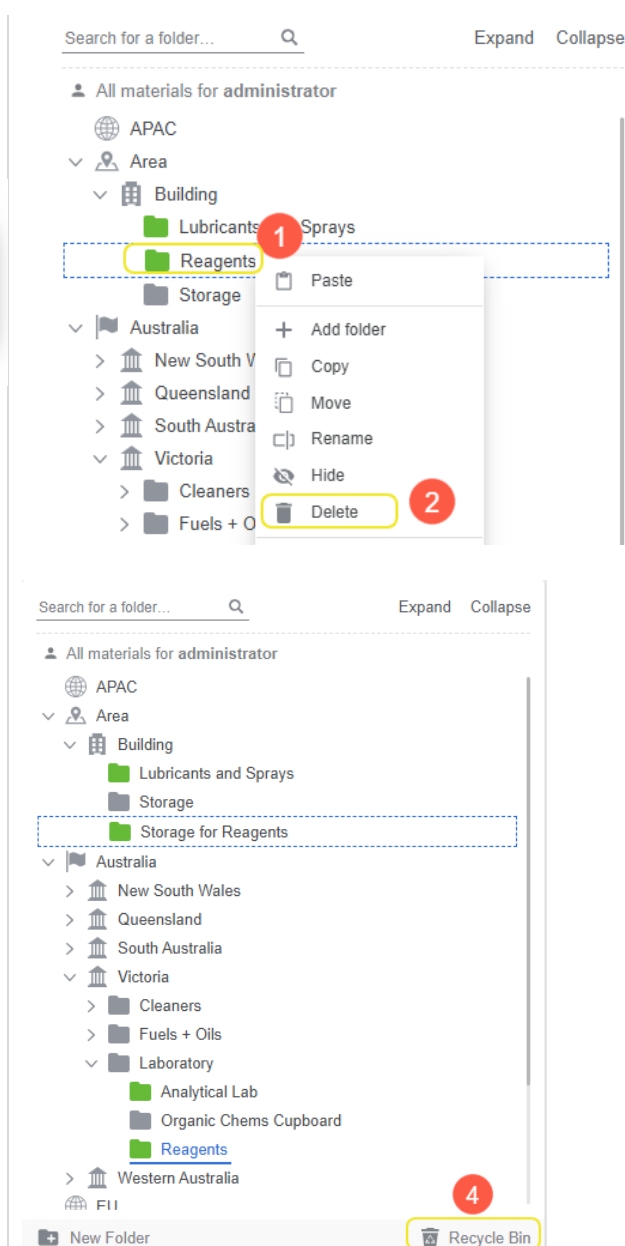


A message confirms the renamed folder.



You may want to confirm the date and time stamp of the deleted folder in the recycle bin.

4. Click on the recycle bin to check the records of archived deleted folder for details.



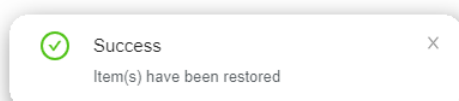
4.2.6.5 Restore a Deleted Folder

The steps below show how to restore a deleted folder from the Recycle Bin.

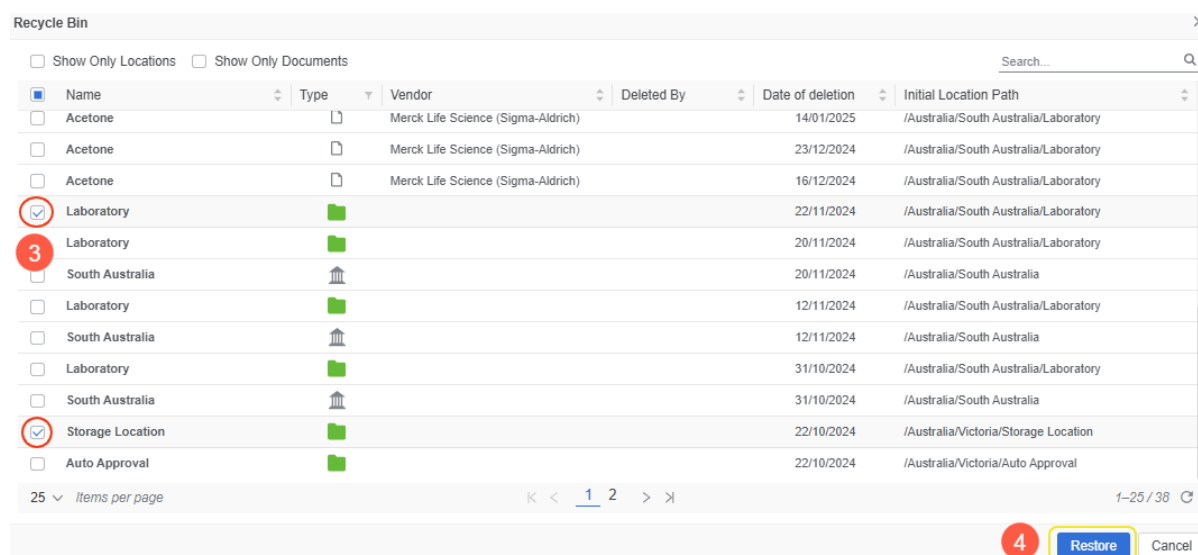
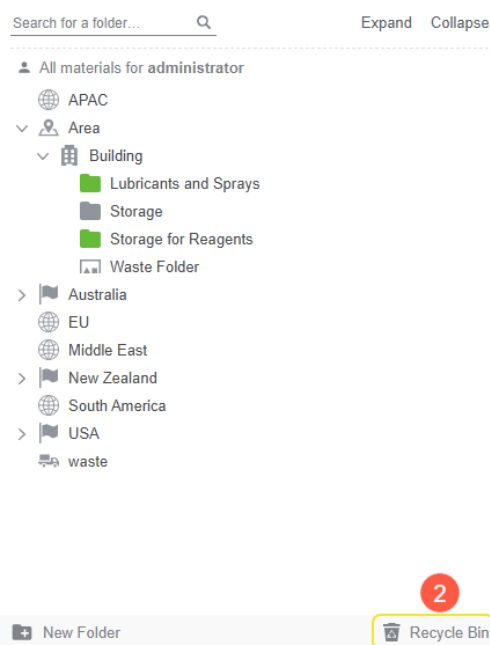
Steps: How to Restore a Deleted Folder

1. Open **Home** module .
2. Click on the **Recycle Bin** button on the bottom right corner of the folder panel.
3. Select the **deleted folder's checkbox** ☐ on the grid.
4. Click the **Restore** button to confirm action.

A message confirms folder restoration.



5. Confirm the original source of the folder has been reinstated.



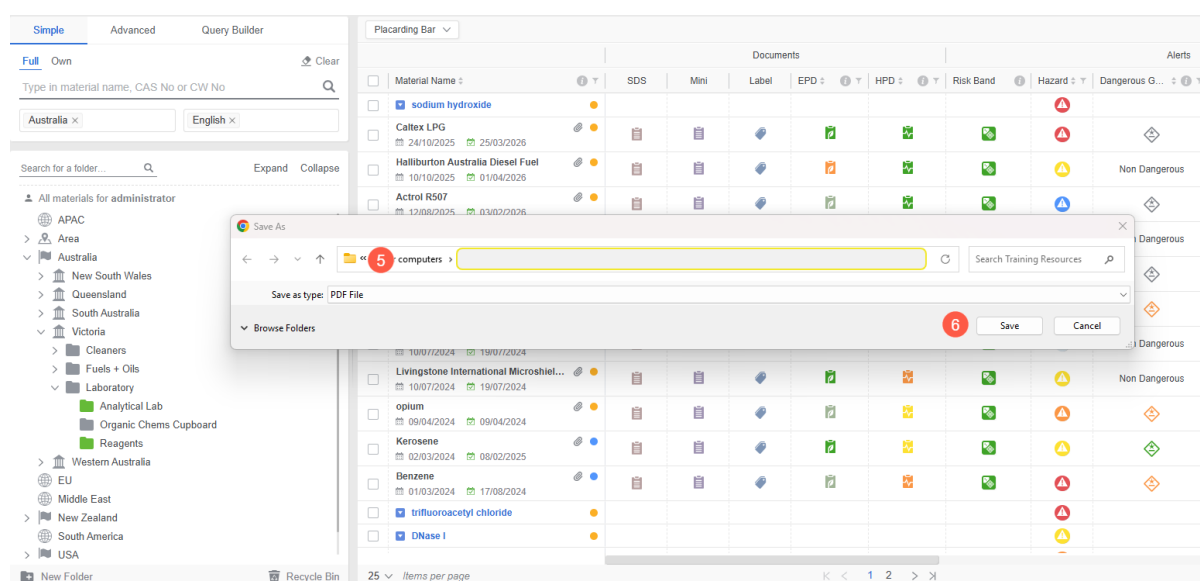
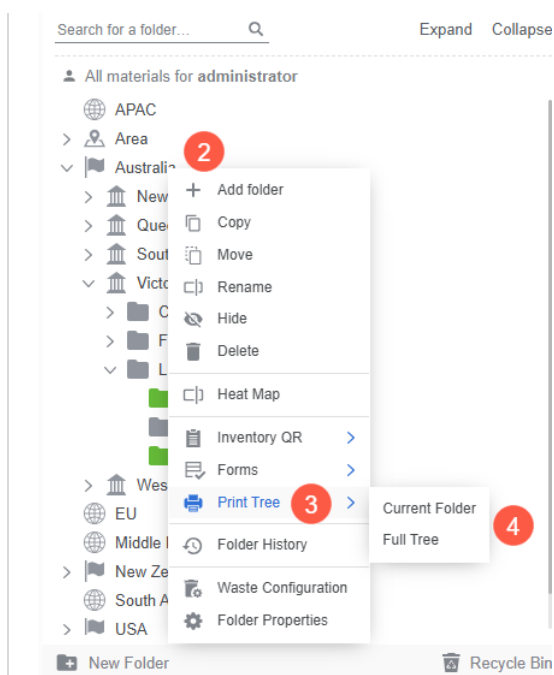
4.2.6.7 Print Tree

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 folders 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: How to Print Folder Tree

1. Open **Home** module .
2. **Right click** on the parent folder.
3. Hover mouse **Print Tree**.
4. Select the **Print Tree** option from the context menu, Current Folder or Full Tree.
5. Select **destination folder** in your pc/laptop.
6. **Save file as pdf** on your localised folder externally from the system. Default file name: Print Folder.
7. Open **Print Folder**.



The Print Tree report information will include the path (location folder), date and time, the domain and the user who generated the document.

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

Print Tree Document (PDF Format)

Path: Australia
Date and time: 25/05/2026 13:23

- ▼  Australia
 - >  New South Wales
 - >  Queensland
 - >  South Australia
 - ▼  Victoria
 - >  Cleaners
 - >  Fuels + Oils
 - ▼  Laboratory
 -  Analytical Lab
 -  Organic Chems Cupboard
 -  Reagents
 - >  Western Australia

Domain:
User:

4.2.6.8 Filling in Forms in Folders and Form History

Forms can be created in the system for numerous purposes, however, a form for a folder structure for hazardous chemicals can assist businesses and organisations to effectively manage risks associated with handling hazardous materials to capture information and promoting the culture of safety and accountability.

Forms should help facilitate chemical data, use of materials in a way that aligns with organisational requirements, procedures, audits, and compliance with regulatory requirements such as OSHA's Hazard Communication Standard (HCS, REACH regulations in the EU, WHS in Australia and many more.

The key objectives on what forms can be used for in the chemicals management system are:

- Inventory Management
- Emergency Preparedness, Response and Management
- Compliance to Health and Safety at the workplace
- Risk Assessment
- Record Keeping and Documentation
- Information Sharing and Communication
- Reporting and many more

Documentation and record keeping is important in the facilitation of data capture, especially for essential data related to hazardous chemicals in a structured and well-organised manner. This type of policy strategy ensures the availability of accurate and up to date chemical related information for compliance, reporting and auditing purposes.

Each organisation will have varying complexities to the type of forms intended for users who have access to a specific folder. These forms are created in the Form Builder Module and access granted to users to fill in required information. Forms can be categorised for any health and safety related aspects of chemical safety and data collection. Some of these forms may extend to the following checklists:

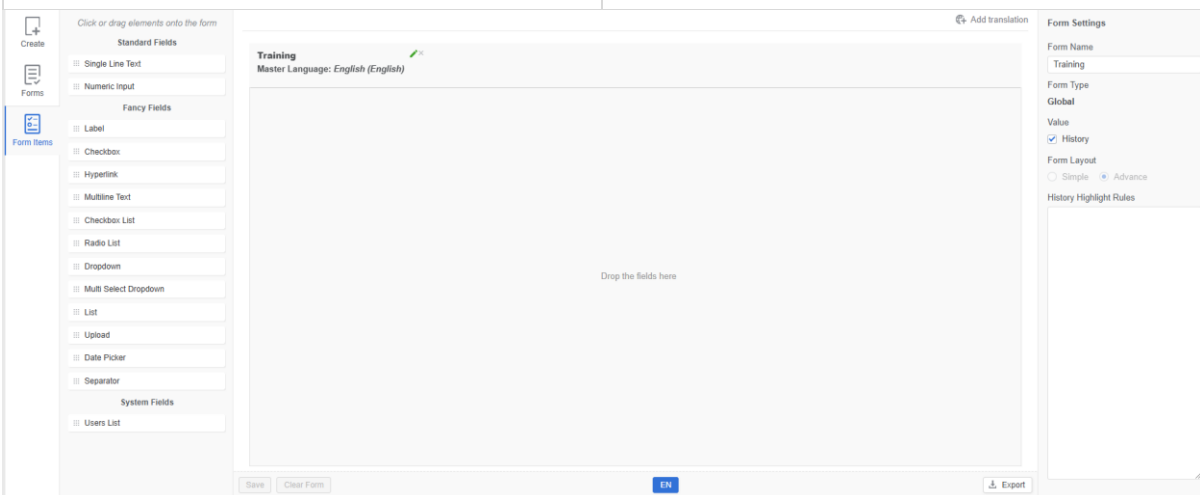
- General workplace safety
- Work site and storage of chemical checks
- Hazard identification
- Audit checklist
- Risk assessment checklist
- Emergency preparedness of hazardous chemicals
- Incident reporting checklist
- Chemicals safety, handling, and storage checklist
- Hazardous materials handling checklist
- Personal protective equipment and training checklist

The example below shows a typical hazard identification chemical related type of checklist.

Category	Question or Commentary	Yes	No
Machinery and equipment	Is the equipment regularly serviced and maintained in accordance with the manufacturer's instructions?	☐	☐
	Are all the chemical operators trained in how to use the equipment safely?	☐	☐
	When was training on PPE conducted (dd/mm/yyyy)?		
Hazardous chemicals identification	Are chemicals that require any health surveillance have been identified and their storage locations?	☐	☐
	Are all hazardous chemicals and containers identified and labelled?	☐	☐
	Have all the employees using and handling hazardous chemicals been trained and how to use them?	☐	☐
	Are all the SDS for chemicals used in the workplace been obtained and up to date?	☐	☐

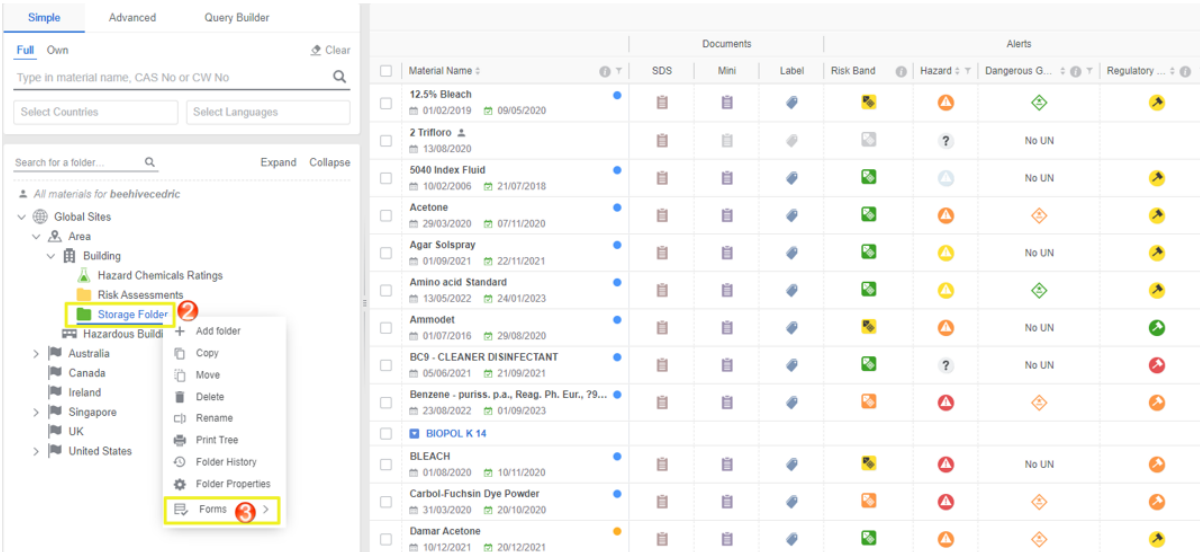
The **Form Builder** module  in Settings enables users who have access to create form templates by using standard and fancy fields which encapsulate the form data input requirements.

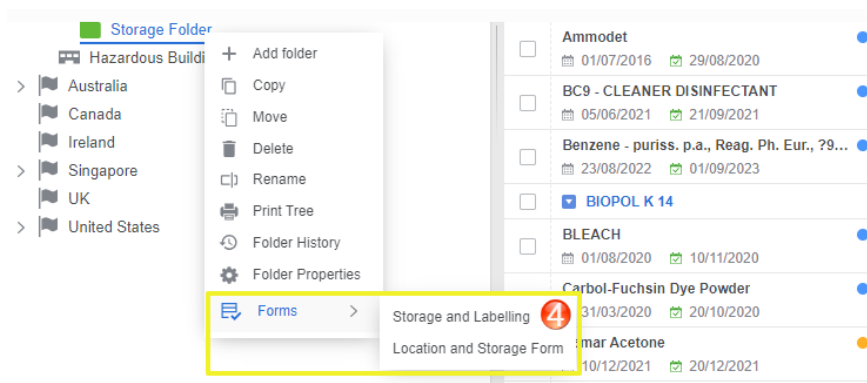
Standard Fields	Fancy Fields
Single line text	Label, checkbox, hyperlink, multiline text, checkbox list, radio list, multi select, dropdown, list, date picker, separator.



Steps: Filling a Folder Form

1. Open **Home** module .
2. Right click on a **folder**.
3. Hover your mouse pointer to Forms to display the form names available.
4. Select the **Form name** to display the forms panel.





5. Fill in the form details.
6. Click the **Save** button. Message confirms successful operation.

✓ Success
The form was successfully saved

- i** Forms can be created by the administrator or users who have been granted permission to access the Form Builder Settings module. Users can fill in the form attributed to the folder structure and specifically the folders they have been granted access to view or edit.

Form History

Steps: Filling a Folder Form

1. Open **Home** module .
2. Right click on a **folder**.
3. Hover your mouse pointer to Forms to display the **form names available**.
4. Click on the **Form Name**.
5. Select the **History** button to display the forms history information.

Simple Advanced Query Builder

Full Own Clear

Type in material name, CAS No or CW No

Select Countries Select Languages

Search for a folder... Expand Collapse

All materials for beehivecedric

- Global Sites
 - Area
 - Building
 - Hazard Chemicals Ratings
 - Risk Assessments
 - Storage Folder** 2
 - Add folder
 - Copy
 - Move
 - Delete
 - Rename
 - Print Tree
 - Folder History
 - Folder Properties
 - Forms** 3

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...
12.5% Bleach	01/02/2019	09/05/2020					
2 Trifloro	13/08/2020					No UN	
5040 Index Fluid	10/02/2006	21/07/2018				No UN	
Acetone	29/03/2020	07/11/2020					
Agar Solspray	01/09/2021	22/11/2021				No UN	
Amino acid Standard	13/05/2022	24/01/2023					
Ammodet	01/07/2016	29/08/2020				No UN	
BC9 - CLEANER DISINFECTANT	05/06/2021	21/09/2021				No UN	
Benzene - puriss. p.a., Reag. Ph. Eur., 79...	23/08/2022	01/09/2023					
BIOPOL K 14							
BLEACH	01/08/2020	10/11/2020				No UN	
Carbol-Fuchsin Dye Powder	31/03/2020	20/10/2020					
Damar Acetone	10/12/2021	20/12/2021					

Storage Folder

- Hazardous Build
 - Australia
 - Canada
 - Ireland
 - Singapore
 - UK
 - United States

- Add folder
- Copy
- Move
- Delete
- Rename
- Print Tree
- Folder History
- Folder Properties
- Forms** 4
 - Storage and Labelling
 - Location and Storage Form

Ammodet

01/07/2016 29/08/2020

BC9 - CLEANER DISINFECTANT

05/06/2021 21/09/2021

Benzene - puriss. p.a., Reag. Ph. Eur., 79...

23/08/2022 01/09/2023

BIOPOL K 14

BLEACH

01/08/2020 10/11/2020

Carbol-Fuchsin Dye Powder

31/03/2020 20/10/2020

Damar Acetone

10/12/2021 20/12/2021

Form Builder

Storage and Labelling

* Employee Full Name

Name Surname

Type your full name

* ☒ Storage Access Current

Is your storage access to chemicals current?

Chemical and Storage Labelling

☐ Are signs and labels available and up-to-date?

☐ Signs and labels obsolete

☒ Visibility to signs and labels are correct?

Choose an option that best describes status to storage location

SDS and PPE

SDS in folder location current x

Adequate PPE (gloves, eye protection p... x

Inventory List current x

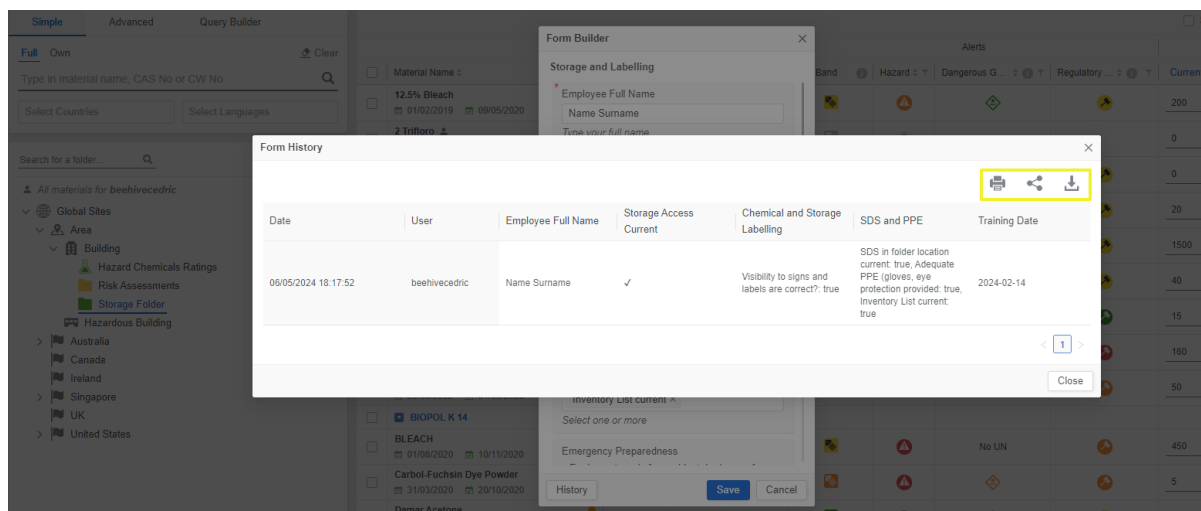
Select one or more

Emergency Preparedness

History 5 Save Cancel

Band	Hazard	Dangerous G...	Regulatory ...	Current
				200
		No UN		0
		No UN		0
		No UN		20
		No UN		1500
		No UN		40
		No UN		15
		No UN		160
		No UN		50
		No UN		450
		No UN		5
		No UN		0

The form history panel displays the form's filled data or information on the nested columns. Use print, share, or download icons to print or share or save the data externally.



4.2.6.9 Folder History

Folder history generally indicates changes made in the system to keep track of any folders and items that were transacted over time. This feature is specifically useful for those users who intend to keep track of any modifications, additions or deletions that have been made in a folder structure.

Benefits of Folder History

- Enables users to revert previously deleted folders or items as a safety net against accidental changes or data loss.
- Audit trail for tracking users and respective actions undertaken overtime for accountability and security purposes.
- Tracking specific users, date, time, and the changes that were made.
- Transparency and coordination among teams or group members working on the same folders and content.
- Recovery in the case of data loss or corruption to be able to restore data to previous state to eliminate any data risks or disruptions to users' workflow and compliance.
- Activity monitoring folder history provides insights into users' patterns on which folders or materials are frequently modified to inform future corrections where applicable or reporting.

When folder structure has been created and materials added to reflect an inventory, the actions undertaken by user can be viewed through the folder's "Folder History" using the right click context menu. The data generated in the log is based on user activity for that selected folder.

Folder	Attribute	Folder Node Action
History 	Users can generate a folder history log based on folder activity. The data points in the log are Date, User, Action, and Result.	 Activity history log

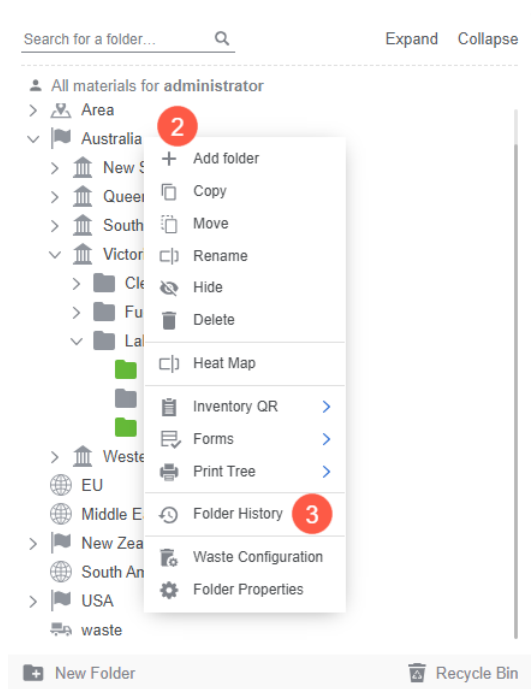
The folder history when opened, it provides a history log of the folder activities in a table with these columns:

Folder name history

Date	User	Action	Result
dd/mm/yyyy and time stamp 00:00	Username	Displays the record of the activity performed by user.	Reflects the output of the action undertaken.

Steps: How to View Folder History Logs for Materials

1. Open **Home** module .
2. **Right click** on the parent folder.



3. Select the **Folder History**  option from the context menu.
4. **Sort** columnar data by ascending or descending order.
5. Use **Pagination** to view more logs.
6. **Download**  data to external location and **save** the file.
7. **Close** the window.

Note

The folder activity log in this worked example shows the information specific to materials that were handled and displayed in these columns; **Material Name, Vendor, Username, CW No, Action** taken and the **Result**.

Analytical Lab History

Date	Action	Material Name	Vendor	CW No	User	Previous value	Source	Destination
02/04/2026 07:40:16	Edit Folder				administrator		Analytical Lab	
26/03/2026 09:05:58	Add Item	Caltex LPG	Chemwatch	9852267	administrator		Full Collection	Analytical Lab
26/03/2026 09:05:20	Add Item	carbon monoxide	Chemwatch	1016	administrator		Full Collection	Analytical Lab
26/03/2026 09:04:43	Add Item	xylene	Chemwatch	1307-3	administrator		Full Collection	Analytical Lab
26/03/2026 09:04:25	Add Item	benzene	Chemwatch	1114	administrator		Full Collection	Analytical Lab
26/03/2026 09:04:01	Add Item	toluene	Chemwatch	1294	administrator		Full Collection	Analytical Lab
23/03/2026 09:11:45	Edit Folder				administrator		Analytical Lab	
03/02/2026 14:45:55	Copy Item	ACTROL R507	Actrol Parts (a division of GSA Industries)	42-2437	administrator	ACTROL R507	Analytical Lab	Reagents
03/02/2026 14:45:24	Copy Item	trifluoroacetyl chloride	Chemwatch	3057	administrator	trifluoroacetyl chloride	Analytical Lab	Reagents
03/02/2026 14:38:41	Add Item	Henkel Loctite 567 Thread Sealant	Chemwatch	20059	administrator		Full Collection	Analytical Lab

10 Items per page

Download

Close

The file name “Export Folder History” when downloaded as an excel worksheet format will retain the folder name where the data source stems from.

File name: Storage Folder History

Save as type: Microsoft Excel Worksheet

Browse Folders

Save Cancel

Example: Folder History Downloaded File

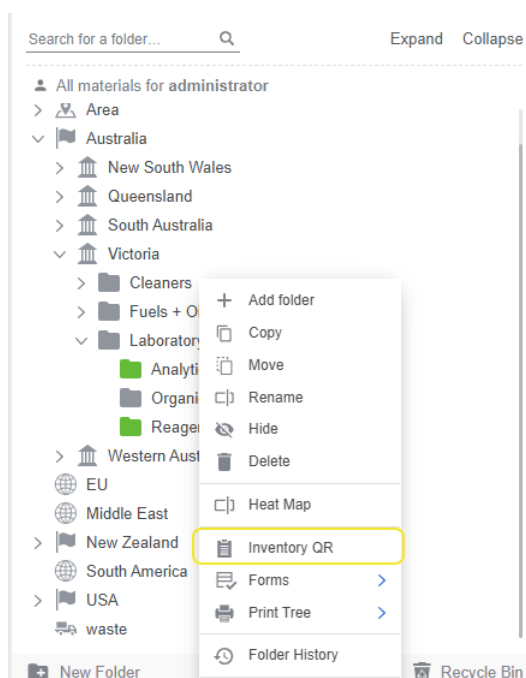
	A	B	C	D	E	F	I	J	K	L
1	Date	Material Name	Vendor	User	CW Number	Action	Source	Destination		
2	02/04/2026 07:40:16			Username		editFolder	Australia/Victoria/Laboratory/Analytical Lab			
3	26/03/2026 09:05:58	Caltex LPG	Chemwatch	Username	9852267	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
4	26/03/2026 09:05:20	carbon monoxide	Chemwatch	Username	1016	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
5	26/03/2026 09:04:43	xylene	Chemwatch	Username	1307-3	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
6	26/03/2026 09:04:25	benzene	Chemwatch	Username	1114	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
7	26/03/2026 09:04:01	toluene	Chemwatch	Username	1294	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
8	23/03/2026 09:11:45			Username		editFolder	Australia/Victoria/Laboratory/Analytical Lab			
9	03/02/2026 14:45:55	ACTROL R507	Actrol Parts (a division of GS)	Username	42-2437	copyItem	Australia/Victoria/Laboratory	Australia/Victoria/Laboratory/Reagents		
10	03/02/2026 14:45:24	trifluoroacetyl chloride	Chemwatch	Username	3057	copyItem	Australia/Victoria/Laboratory	Australia/Victoria/Laboratory/Reagents		
11	03/02/2026 14:38:41	Henkel Loctite 567 Thread Se	Chemwatch	Username	20059	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
12	03/02/2026 14:38:41	LOCTITE 567 THREAD SEALAI	Henkel Australia	Username	20059	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
13	03/02/2026 14:37:44	Actrol R507	Chemwatch	Username	42-2437	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
14	03/02/2026 14:37:43	ACTROL R507	Actrol Parts (a division of GS)	Username	42-2437	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
15	03/02/2026 14:37:10	Trifluoroacetyl chloride	Sigma-Aldrich (Merck)	Username	3057	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
16	03/02/2026 14:37:10	trifluoroacetyl chloride	Chemwatch	Username	3057	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
17	03/02/2026 14:36:16	ABC Blackener UPC No. 4591	Chemwatch	Username	00-0009	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
18	21/01/2026 17:03:33	hydrogen peroxide	Chemwatch	Username	22615	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
19	21/01/2026 17:02:50	Hydrogen Peroxide 50%	WinHarvest	Username	22-2426	addItem	Full Collection	Australia/Victoria/Laboratory/Analytical Lab		
20	16/10/2024 15:58:58	Benzene	Merck Life Science (Sigma-AI	Username	1114	setCurrentVolume				
21	16/10/2024 15:58:58	Benzene	Merck Life Science (Sigma-AI	Username	1114	setMaxVolume				

4.2.6.10 Edit Folder Properties

Folder Property	Description	Attribute
Folder Name 	This is the name of the folder to be given.	 Text in property field
Folder Type 	This property provides the option to designate the folder to be a specific type of folder. Note the default area or section is grey. Administrator, Storage, Waste.	 Colour code
Change folder types for all subfolders checkbox ☐	This property enables all parent and subfolders to be the same type of folders. 	 All the same folder types
Store materials checkbox ☐	The store material checkbox enables folder creator to allow the folder they create to store materials, meaning to be able to add materials into that folder.	Checkbox marked ☒
Share to the World checkbox ☐	This property allows folder creators to set the folder to be an Outback Folder, meaning it will be used in the Outback (add-on web application). This feature is only applicable to Outback domains.	Visibility of folder in Outback app 

Folder Property	Description	Attribute
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
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
Replace country and language for all subfolders 	This property replaces the preset country and language condition of the subfolders.	 Country and language

4.2.6.11 Inventory QR



Inventory QR

Chemwatch's innovative solution Inventory QR Codes streamline chemical product information management and enhance transparency across the workplace health and safety and supply chain.

The QR code's feature transforms the way users' access and manage chemical data instantly, ensuring informed handling and enabling faster decision-making. Some of the benefits of using QR codes features include emergency response and life-saving reports and advisories, transparency and quick access to inventory lists and SDS, data security, quick and easier accessibility using mobile scanning to retrieve chemical data.

The primary drive of the Inventory QR code is to provide users with the QR code label document to scan the code and generate a tabulated inventory list drawn from the current folder.

The Inventory List table contains the following columnar datapoints.

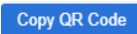
Column Header	Description	Use
Cat Name	Catalogue name, product name, the name of the product SDS.	Identification of the product.
CAS Number	Chemical Abstract Substance Number.	Global CAS Registry identification number of a chemical.
Hazard	Chemwatch hazard rating category.	Identify the product hazard alert rating for awareness of the nature of the hazard as minimum, moderate, high or extreme.
Hazard Codes	GHS classification system for hazardous chemicals as hazard codes based on the inherent properties of the chemicals.	Identify the hazard statement based on the hazard codes as each hazard statement is designated a code, starting with the letter H and followed by 3 digits based on the GHS criteria.
Vendor	Manufacturer or supplier of the product.	Identify the manufacturer of the product SDS
PKG	Packing Group based on the Dangerous Goods classification of substances or articles.	Identify the dangerous goods grouping for the level of danger presented by the hazardous material.
DGC	Dangerous Goods Class	Identify the classification for handling, storage and transportation of dangerous goods based on the nine classes of the Dangerous Goods Code.
UN	United Nations number	Identify the United Nations four-digit number used to identify dangerous goods for transport based on the UNRTDG global instrument.
Link	Product SDS web-link	Display the product SDS online.

The steps below illustrate how to render the list of materials contained in the active folder.

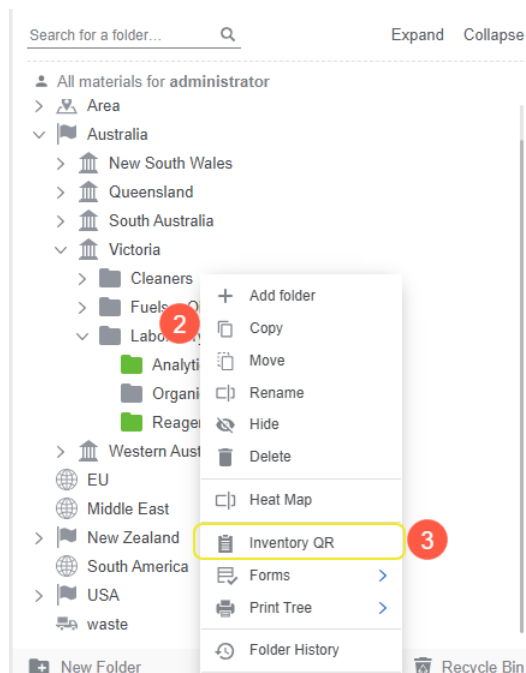
Steps: How to Generate a Folder Inventory QR Code to display List

1. Open **Home** module .
2. **Right click** on a folder.
3. Click on the folder's **Inventory QR** option from the menu.
4. **Scan the QR code** on the document using a scanner or mobile camera.
5. A link embedded on the QR code opens up the Inventory List online.

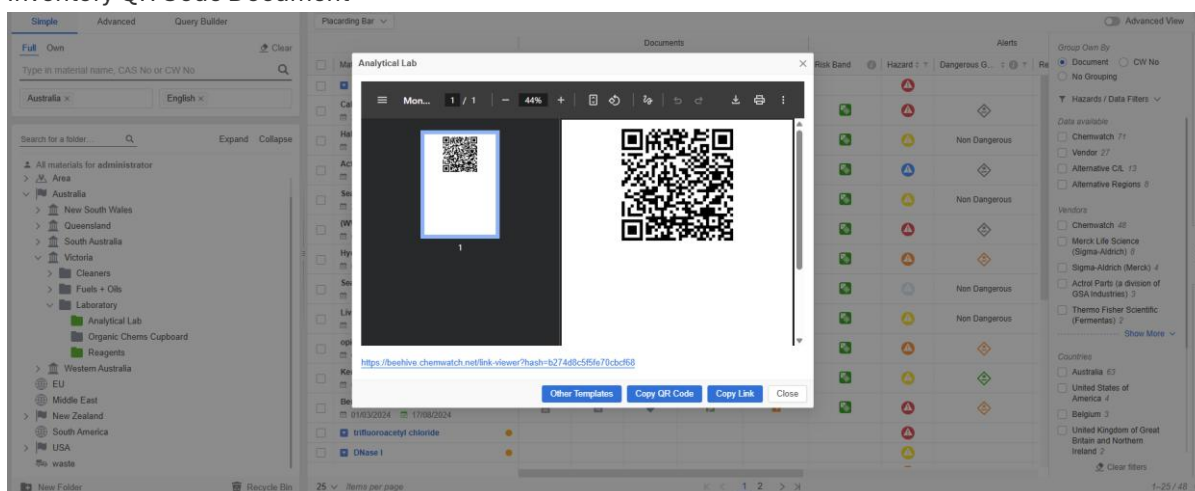
Note

The Inventory QR Code window contains optional buttons to **Copy the QR Code**  or **Copy the Link**  and paste it on a web browser to render the tabulated document list of materials contained in the current folder.

6. Click on the product's **Link** to display the respective **SDS**.



Inventory QR Code Document



Inventory List and SDS Link

Inventory

Location: Victoria/Laboratory/Analytical Lab

25/05/2026 04:13:03

Cat Name	Cas Number	Hazard	Hazard Codes	Vendor	PKG	DGC	Un	Link
Caltex LPG	Not Applicable	Extreme	H220, H280, AUH044	Chemwatch		2.1	1075	Link
Actrol R507	Not Applicable	Low	AUH044	Chemwatch		2.2	3163	Link
Hydrogen Peroxide 50%	7722-84-1	High	H272, H302+H332, H314, H335	WinHarvest	II	5.1	2014	Link
Benzene	71-43-2	Extreme	H225, H304, H315, H319, H340, H350, H372	Merck Life Science (Sigma-Aldrich)	II	3	6	Link
trifluoroacetyl chloride	354-32-5	Extreme	H280, H302, H314, H318, H331, AUH014, AUH044	Chemwatch		2.3	3057	Link

Product SDS generated from the QR Code Inventory List Link

Supelco
www.supelco.com.au

SAFETY DATA SHEET

Version 6.7
Revision Date 01.03.2024
Print Date 01.03.2024

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

1.1 Product identifiers
Product name : Benzene
Product Number : 12540
Brand : Sigma-Aldrich
CAS-No. : 71-43-2

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 : Merck Life Science Pty Ltd
Ground Floor, Building 1, 885 Mountain Highway
BAYSWATER VIC 3153
AUSTRALIA
Telephone : +61 1800 800 097
E-mail address : customersupport.anz@merckgroup.com

1.5 Emergency telephone
Emergency Phone # : Free call (24/7): 1800 862 115
Intl (24/7): +61 2 9037 2994
(CHEMTREC)

SECTION 2: Hazards identification

2.1 GHS Classification
Flammable liquids (Category 2), H225
Skin corrosion/irritation (Category 2), H315
Serious eye damage/eye irritation (Category 2A), H319
Germ cell mutagenicity (Category 1B), H340
Carcinogenicity (Category 1A), H350
Specific target organ toxicity - repeated exposure (Category 1), Blood, H372
Aspiration hazard (Category 1), H304
For the full text of the H-Statements mentioned in this Section, see Section 16.

4.2.7 Add Materials into Folders

This topic covers the following activities:

- Search and add materials into a folder
- Search and copy materials into a folder

WHAT
YOU'LL
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Chemwatch primarily provides four ways in which materials can be added into the database system.

Type	Required from Requester	Chemwatch Process	Expectation
Inventory Database Registration	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.	Registration phases are captured through the Chemwatcher module's PTN History and statuses.
Manifest Upload	Manifest Inventory List can be sent to Chemwatch via email.	Manifest will be created through the registration phases.	
FTP Upload	The Master Product List, Sisot Inventory Product List, Manifest Inventory List can be uploaded through File Transfer Protocol (FTP).	Inventory will be registered through the registration phases.	The PTN completion status depicts final output for all registered materials per PTN.
Adding Materials	Users can add materials or products into folders.	This process is considered as a self-registration, where users add an SDS into a folder.	

Before adding materials into a folder, consider the following roles a user may have.

- Management supervisor role
- Support to supervisor user role

Function	User Profile	Description	Permission
 Management Supervisor Role	Folder Owner with Edit Rights	Folder management	Ability to create and edit folders and folder properties (read-write permission). Ability to add materials/SDS into folders and edit volume/weight of materials.
 Support Role	Folder Access with Edit Rights	Folder inventory management	Ability to add materials/SDS into folders and edit volume/weight of materials.

4.2.7.1 Search and Add Materials into Folders

Required from Requester	Chemwatch Process	Expectation
Users can add materials or products into folders after searching by drag and drop function.	This process is considered as a self-registration process; where users add SDS by dragging and dropping them into folders.	Users must have read-write permission.

The following steps illustrate how to search and add materials into a storage folder by using drag and drop function. Adding materials into folders requires users to have read-write permission for those folders.

- 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.

Steps: How to Search and Add Material into a Folder

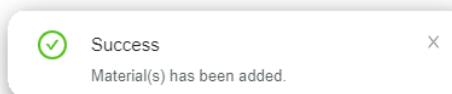
The screenshot shows the 'Simple' search tab with 'acetone' entered in the search bar. Filters for 'Australia' and 'English' are applied. The search results table displays columns: Material Name, Vendor, CW No, Country, Lang, CAS No, and Issue Date. The right sidebar includes checkboxes for 'Grouping by CW No', 'Exact match sort', and 'Vendor'.

1. Open **Home** module .
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **Material Name** in the search text field.
5. Click on the **Country** field to set a country.
6. Click on the **Language** field to set a language(s) from the list.
7. Click the **Magnifying Glass**  to conduct the search based on the set parameters.
8. Select the **Classification Vendor** checkbox.
9. Select **Vendor** checkbox  on the side panel to filter the materials list further to specific manufacturer(s), e.g., Sigma Aldrich.
10. **Country** checkbox  has already been preselected based on the search parameters set. More countries may be added to further filter by those specific countries.

The screenshot shows the search results for 'acetone' filtered by 'Australia'. The search results table displays columns: Material Name, CW No, Vendor, Country, Lang, CAS No, and Issue Date. The right sidebar includes checkboxes for 'Grouping by CW No', 'Exact match sort', and 'Vendor'.

1. Hover **Drag** and drop document name to a specific folder location, e.g., Storage Folder.
2. Click on the **Folder name** to view the record.
3. Press the **Clear** button located on the search panel.

A message confirms the addition of material into folder.



4.2.7.2 Search and Copy Materials into Folder

Required from Requester

Users can add materials or products into folders after search by copy and paste function

Chemwatch Process

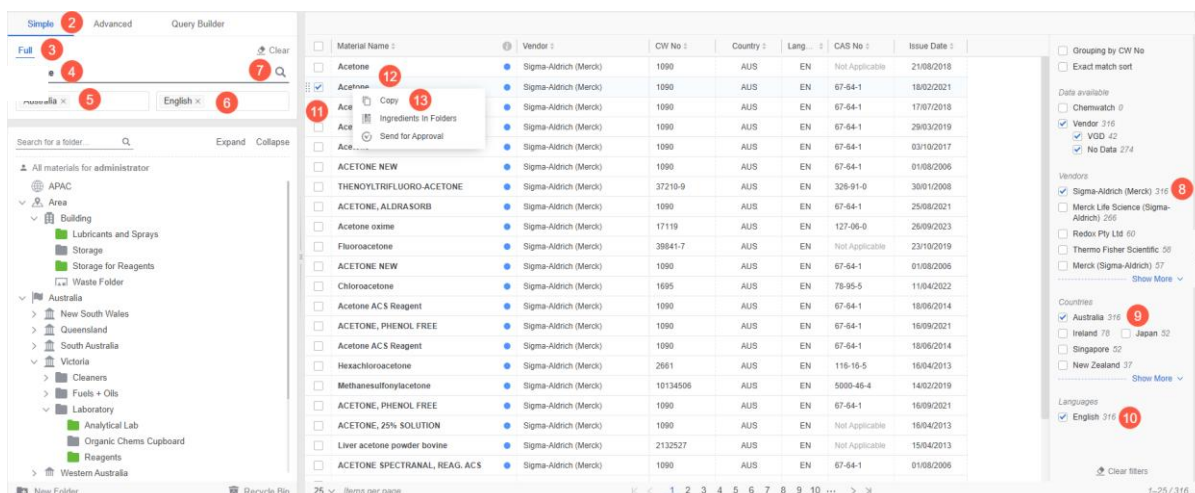
This process is considered as a self-registration process; where users add SDS by copying and pasting them into folders.

Expectation

Users must have read-write permission.

The following activity shows the steps on how to add SDS into a storage folder using the copy and paste function.

Steps: How to Add Material SDS into a Folder by Copy and Paste Function

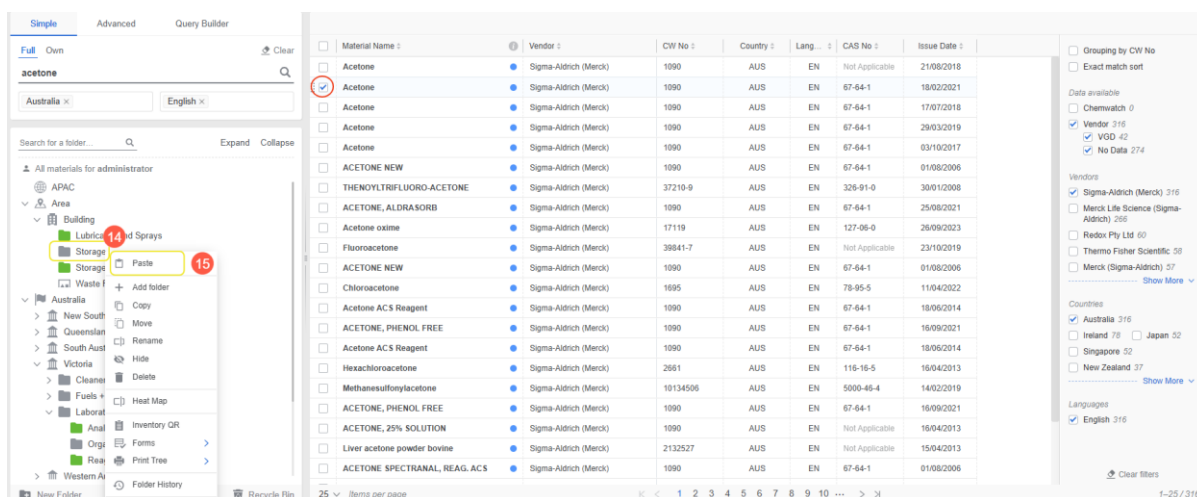


1. Open **Home** module.
2. Click on **Simple** tab.
3. Select **Full** link to designate the search path.
4. Type **Material name** in the search text field.
5. Click on the **Country** field to set a country.
9. **Country** checkbox has already been preselected based on the search parameters set.
10. **Language** checkbox has already been preselected based on the search parameters set.
11. Select the **checkbox(es)** alongside the **material name(s)** intended to be copied.
12. **Right click** on one of the selected **material names** to copy.

- Click on the **Language** field to set a language(s) from the list.
- Click the **Magnifying Glass**  to conduct the search based on the set parameters.
- Select **Vendor checkbox** ☐ on the side panel to filter the materials list further to specific manufacturer(s), e.g., Sigma Aldrich.

- Click on the **Copy** option.
- Right click** on the **destination folder**.
- Select **Paste** to add copied material(s) into this folder.

A message confirms copied materials into folder.



4.2.8 Copy, Move, Delete Materials

This sub-topic will cover the following activities:

- Copy material into another folder using right click menu
- Move a material from a source folder to another folder
- Delete a material from a folder
- Paste copied material using the right click menu
- Paste material moved from a source folder into a destination folder



In the GoldFFX system, copying, moving, and deleting materials are all fundamental operations in managing materials, data and SDS files. Materials can be distributed across single or multiple folders. This topic covers aspects of how to distribute materials across the folder structure by using the copy, move and delete functions.

Function	Required from User	Chemwatch Process	Expectation
Copy, Move, Delete materials	Users can copy, move, and delete materials or products in folders.	This process uses the right click function to copy, move, or delete materials.	 Users must have read-write permission

- i** If **Read** permission has been granted to a user, then that type of user will not be able to distribute materials within the specified folders but may be granted rights to certain folders by the domain account administrator. If uncertain of your user profile and permission, contact customerservice@chemwatch.net.

The following sub-topics show how to copy, move, and delete materials.

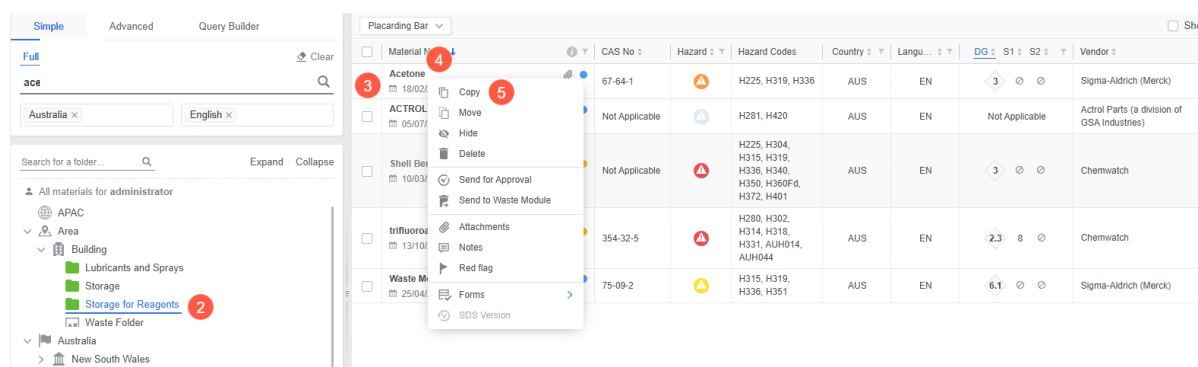
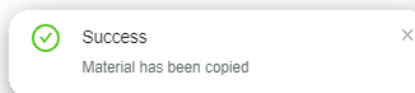
4.2.8.1 Copy a Material into Another Folder

The steps below show how to copy a single material from one folder into another folder location.

Steps: How to Copy Material into Another Folder

1. Open **Home** module .
2. Click on **the Folder** location to list materials.
3. Select the **Checkbox on material row**.
4. **Right click** on material name.
5. Select **Copy**.

6. **Right click** on destination folder.
A message confirms successful copy.
7. Select **Paste**.
A message confirms successful operation.



4.2.8.2 Move a Material from Source Folder

The steps below show how to move a single material from a source folder into another folder location.

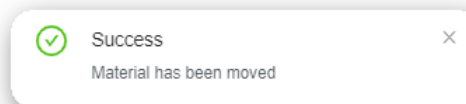
Steps: How to Move a Material from a Source Folder

1. Open **Home** module .
2. Click on **the Folder** location to list materials.
3. Select the **Checkbox** on material row.
4. **Right click** on material name.
5. Select **Move**.

A message confirms successful selection.



6. **Right click** on destination folder.
 7. Select **Paste**.
- A message confirms successful operation.



Search for a folder... Expand Collapse

All materials for administrator

- APAC
 - Area
 - Building
 - Lubricants and Sprays
 - Storage
 - Storage for Reagents
 - Waste Folder
- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Laboratory

Context Menu:

- Paste
- Add folder
- Copy
- Move
- Rename
- Hide
- Delete
- Heat Map
- Inventory QR

Material	Created	Updated	Location	Vendor	Deleted By	Date of deletion	Initial Location Path
acetone	23/12/2022	06/10/2025	67-64-1	H225, H319, H336, EUH066	BEL	NL	Chemwatch
Acetone	25/07/2023	26/09/2023	Not Applicable	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)
Actrol R507	12/08/2025	03/02/2026	Not Applicable	AUH044	AUS	EN	Chemwatch
ACTROL R507	05/07/2021	29/06/2024	Not Applicable	H281, H420	AUS	EN	Actrol Parts (a division of GSA Industries)
benzene	23/12/2022	25/03/2026	71-43-2	H225, H304, H315, H319, H336, H340, H350, H360Fd, H372, H401	AUS	EN	Chemwatch
Benzene	01/03/2024	17/08/2024	71-43-2	H225, H304, H315, H319, H340, H350, H372	AUS	EN	Merck Life Science (Sigma-Aldrich)
Calltex LPG	24/10/2025	25/03/2026	Not Applicable	H220, H280, AUH044	AUS	EN	Chemwatch
carbon monoxide	07/10/2021	07/10/2021	630-08-0	H220, H280, H331, H360D, H372, H413	AUS	EN	Chemwatch

4.2.8.3 Delete a Material from a Folder

Search for a folder... Expand Collapse

All materials for beehivecedric

- Global Sites
 - Area
 - Australia
 - Canada
 - Ireland
 - Singapore
 - UK
 - United States

New Folder Recycle Bin



When a material or folder item is deleted from a folder or location, it is typically moved to a temporary storage location known as a “**Recycle Bin**”. This element is located at the bottom right corner of the folder panel.

The Recycle Bin provides the following elements:

Recycle Bin

Show Only Locations Show Only Documents Search...

Name	Type	Vendor	Deleted By	Date of deletion	Initial Location Path
Acetone		Merck Life Science (Sigma-Aldrich)		08/07/2025	/Australia/South Australia/Laboratory
Acetone		Merck Life Science (Sigma-Aldrich)		11/06/2025	/Australia/South Australia/Laboratory
Acetone		Merck Life Science (Sigma-Aldrich)		14/02/2025	/Australia/South Australia/Laboratory
Acetone		Merck Life Science (Sigma-Aldrich)		14/01/2025	/Australia/South Australia/Laboratory
Acetone		Merck Life Science (Sigma-Aldrich)		23/12/2024	/Australia/South Australia/Laboratory
Acetone		Merck Life Science (Sigma-Aldrich)		16/12/2024	/Australia/South Australia/Laboratory
Laboratory				22/11/2024	/Australia/South Australia/Laboratory
Laboratory				20/11/2024	/Australia/South Australia/Laboratory
South Australia				20/11/2024	/Australia/South Australia
Laboratory				12/11/2024	/Australia/South Australia/Laboratory
South Australia				12/11/2024	/Australia/South Australia

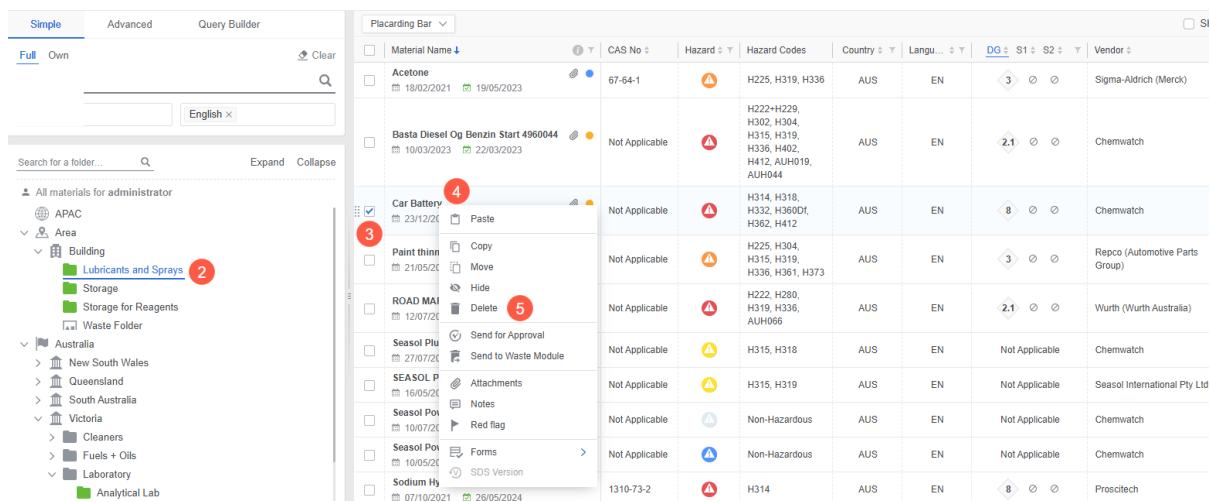
25 Items per page 1 2 1-25 / 38

Restore Cancel

Element	Description
Show Only Locations 	If this checkbox ☐ is selected, the recycle bin grid will display the list of deleted items based on locations represented by folder type icons.
Show Only Documents 	If this checkbox ☐ is selected, the recycle bin grid will display the list of deleted items
Search 	This functionality enables users to quickly locate specific deleted items entering keywords, file names and its alphanumerical supported.
Restore 	The restore feature provides a safety net for users who accidentally delete important materials or folders offering a way to recover them.
Pagination 	This method is used to divide large data sets into smaller pages making it easier to navigate and find specific information from the search results.
Name	The grid displays the list of deleted items by material name or folder name.
Type	The grid displays the list of deleted items where the “Type” column shows the document icon or folder type icon.
Vendor	The grid displays the list of deleted document items by material name and represented by the file type as a document icon.
Date of deletion	The grid displays the date when a material or folder was deleted.
Initial Location Path	The grid displays the initial location (folder) path for the deleted item.

The following steps illustrate how to delete material from a folder. Deleted materials are transferred into the Recycle Bin . If a user accidentally deletes a material, the system provides the option to restore any deleted item back to its source.

Steps: How to Delete a Material from a Folder



The screenshot displays the Chemwatch GoldFFX interface. On the left, a sidebar shows a folder tree under 'All materials for administrator'. The 'Lubricants and Sprays' folder is selected, indicated by a red circle 1. The main table lists materials, including 'Car Battery' (23/12/2021), which is highlighted by a red circle 2. A context menu is open over the 'Car Battery' row, showing options like 'Copy', 'Move', 'Delete', and 'Send for Approval'. The 'Delete' option is highlighted by a red circle 3. A dialog box is shown with the message 'Are you sure you want to delete this item?' and a red circle 4 on the 'Yes' button. The table columns include Material Name, CAS No, Hazard, Hazard Codes, Country, Language, DG, S1, S2, and Vendor.

1. Open **Home** module .
2. Click on **the Folder** location to list materials.
3. Select the **Checkbox** on material row.
4. **Right click** on material name.
5. Select the **Delete** option.

A message confirms successful selection.



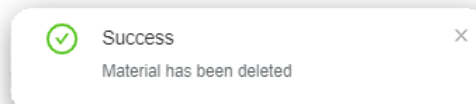
Deleted materials are archived in the recycle bin located at the bottom right corner of the folder panel as shown below.

6. **Right click** on destination folder.
7. Select Yes on the pop-up message to confirm.

 Do you want to delete selected materials?

Yes **No**

A message confirms successful operation.



Steps: How to View Content in the Recycle Bin

1. Open **Home** module .
2. Click on **the Recycle Bin** button .

Recycle Bin

☐

Show Only Locations

☐

Show Only Documents

Search...

☐	Name	Type	Vendor	Date of deletion	Initial Location Path
☐	CHLORADET		Agar Cleaning Systems	28/03/2024	/Global Sites/Area/Building/Storage Folder
☐	BLEACH		Agar Cleaning Systems	01/09/2023	/Global Sites/Australia/Victoria/Boxhill site/Cl...
☐	Baw Baw Site			31/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site
☐	Bellbird Park Indoor Centre			31/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Cabinet Aisle 1			31/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Rawson Indoor Pool			31/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Calcium sulfate dihydrate precipitated EMPROVE® ESSENTIAL Ph Eur,BP,E 516		Sigma-Aldrich (Merck)	30/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Carbol-Fuchsin Dye Powder		Sigma-Aldrich (Merck)	30/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Hydrochloric acid		Sigma-Aldrich (Merck)	30/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
☐	Methyl thiobutyrate		Sigma-Aldrich (Merck)	30/08/2023	/Global Sites/Australia/Victoria/Baw Baw Site/...
	N-tert-Butyldimethylsilyl-				

<

1

2

3

>

20 / page

Restore

Cancel

4.2.9 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

WHAT
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Hazardous chemicals in the workplace are generally kept in containers or in bulk. Regulatory compliance with occupational or workplace health and safety plays a crucial role in ensuring the safe handling, storage, and disposal of hazardous chemicals. For example, in Australia, the WHS Regulations require placards and manifest quantities to be calculated in accordance with the hazard classes and categories under the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Volume/Weight Category	Description
Current	The current volume or weight refers to the amount of a chemical stored in a facility at a specific time. Helps to track real time inventory of chemical storage on site.
Maximum	The maximum volume or weight of refers to the highest amount of a chemical that a storage location or container is designated to hold in accordance with health and safety requirements. This category of volume or weight prevents overfill of containers or storage areas to ensure storage capacity is adhered to for compliance requirements.
Licensed	These are limits set by government regulations or licensing authorities and internally used to track licensed quantities to ensure compliance with dangerous goods storage requirements.

Placarding Bar										☒ Show subfolders	☐ Advanced View		
Documents						Alerts							
	Material Name :	Mini	Label	EPD :	HPD :	Risk Band	Hazard :	Dangerous G...	Regulatory ...	Auto Approval :	Current	Volume	Red Flag :
	benzene							Non Dangerous					
	cocaine									Conditional			
	Chevron Diesel Fuel No.2									Conditional	0		
	CRC Bioweld									Conditional	4500		
	Caterpillar Diesel Fuel No.2									Conditional	550		
	Trifluoroacetic acid									Conditional	100		
	LOCTITE 567 THREAD SEALANT kn...							Non Dangerous		Conditional	0		

Understanding the volume or weight of hazardous chemicals is a critical adherence to safety protocols. Regulations specify the maximum allowable quantities of hazardous chemicals for storage, transportation, and disposal. Liquids and gases are often measured in volume such as

liters or gallons. The system provides a volume/weight column and options for measurement units. The volume or weight can be set as current, maximum, or licensed.

Units of measurement are standardized to express the magnitude or quantity of the materials in a folder. There are mainly two categories of formal units of measurement that are used in the system's grid in relation to a chemical manifest:

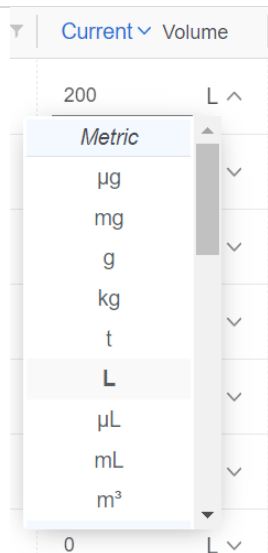
- Volume
- Weight

The Metric, Imperial and Imperial U.S measurement units are listed below.

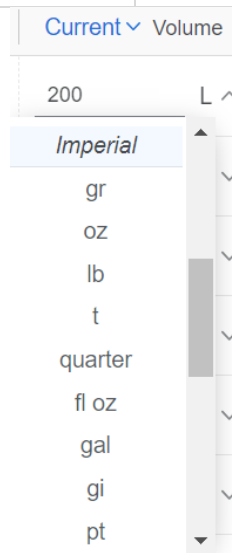
Metric Units

Imperial/Imperial U.S Units

Unit	Symbol	Unit	Symbol
Nanogram	µg	Grain	gr
Milligram	mg	Ounce	oz
Gram	g	Pound	lb
Kilogram	kg	Ton	t
Ton	t	Quarter	quarter
Litre	L	Fluid ounce	fl oz
Nanoliter	µL	Gallon	gal
Microliter	mL	Gill	gi
Cubic metre	m ³	Pint	pt
		Quart	qt
		Cubic foot	ft ³



The screenshot shows a dropdown menu for Metric units. The menu is open, displaying a list of units: µg, mg, g, kg, t, L, µL, mL, and m³. The unit 'L' is currently selected and highlighted. The menu is part of a larger interface showing a volume of 200 L.



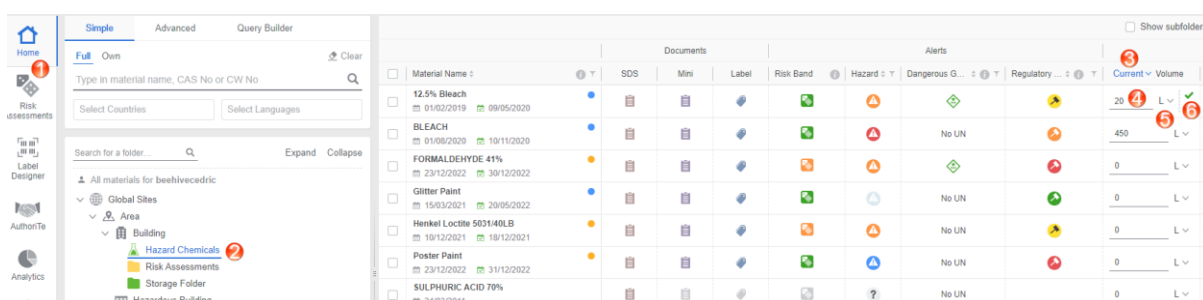
The screenshot shows a dropdown menu for Imperial units. The menu is open, displaying a list of units: gr, oz, lb, t, quarter, fl oz, gal, gi, and pt. The unit 'lb' is currently selected and highlighted. The menu is part of a larger interface showing a volume of 200 L.

Steps: Add/Edit Volume/Weight to a Material

1. Open **Home** module .
2. Click on the **Folder** location to list materials.
3. Click the volume dropdown arrow from the column header and set the **Current** or Maximum or Licensed category.
4. **Type** the value of the volume/weight on text field for the material.
5. Click the unit measure dropdown arrow to set the respective **unit symbol**.
6. Click the green tick to **Save** the record entry.

A message confirms successful operation.

 Success
Volume has been changed



Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory	Current Volume	Material Tags
12.5% Bleach								20 L	
BLEACH								450 L	
FORMALDEHYDE 41%								0 L	
Glitter Paint								0 L	
Henkel Loctite 503140LB								0 L	
Poster Paint								0 L	
SULPHURIC ACID 70%								0 L	

 Note that if the current volume or weight of the material was initially set to a lower or same value as the maximum, changing the current value to a greater value will trigger the system to display a message to check the initially set value to meet the requirement. The system will not allow current value to be more than maximum value. Its recommended to set the maximum value first and then change the current amount.

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory	Current Volume	Material Tags
12.5% Bleach								200 L	
2 Trifloro								0 L	
5040 Index Fluid								0 L	
Acetone								1000 L	
Agar Solispray								40 L	
Amino acid Standard								15 L	
Ammodet								15 L	

Current Volume should be less than Maximum Volume: 20L

4.2.9.1 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.

4.3 Hazards/Data Filter and Regulatory Reports

The main objectives of this section cover the **Hazards/Data Filters** and **Regulatory Reports** feature to filter and generate reports based on selected folder inventory.

- [Filter a Manifest list by All Hazards](#)
- [Filter a Manifest list by Hazards -Specific Carcinogenic](#)
- [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](#)
- [Filter a Manifest list by Dangerous Goods](#)



The system provides two features to enable users to generate filtered data through the **Hazards/Data Filters** and **Regulatory Reports**.

The screenshot displays the GoldFFX interface with a table of chemical materials. The table columns include Material Name, Mini, Label, EPD, HPD, Risk Band, Hazard, Dangerous Goods, Regulatory, and Auto Approval. The sidebar on the right shows the 'Hazards / Data Filters' panel, which is currently expanded. It includes options for 'Group Own By' (Document, CW No, No Grouping), 'Hazards' (Carcinogens, Mutagens, Sensitisers, Corrosives, Peroxide Formers, Reprotoxins, Embryotoxins), 'Dangerous Goods', and 'Dangerous Specific'. The 'Data available' section shows 'Chemwatch 28', 'Vendor 35', 'Alternative C/L 7', and 'Alternative Regions 6'.

Material Name	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous Goods	Regulatory	Auto Approval
benzene							Non Dangerous		
cocaine									Conditional
Chevron Diesel Fuel No.2									Conditional
CRC Bioweld									Conditional
Caterpillar Diesel Fuel No.2									Conditional
Trifluoroacetic acid									Conditional
LOCTITE 567 THREAD SEALANT kn...							Non Dangerous		Conditional
LOCTITE 567 THREAD SEALANT							Non Dangerous		Conditional
MILESTONE INSECT SPRAY									Conditional
Sodium hydroxide							Non Dangerous	No Data	

Hazards/Data Filters

The side panel provides the **Hazards/Data Filters** to filter a folder inventory to identify materials that are indexed as a particular type of hazard or dangerous good.

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.

A hazardous chemical is any substance, mixture or article that causes harm, satisfies the GHS hazard classification criteria. Chemical hazards may cause adverse effects to organisms or the environment. The effects can be adverse to human health through the routes of exposure; inhalation, skin contact or ingestion. The chemical properties that cause adverse health effects are known as health hazards. The adverse effects can be acute (short-term) or chronic (long-term). Physical chemical properties can result in immediate injury or damage to property, and these are known as physical hazards, and may include flammables, corrosives, explosives, chemically reactive and oxidising chemicals. Hazards that affect biomes or ecosystems are known as environmental hazards.

The system provides a filtering feature specifically to sieve through the database for any hazardous chemicals within your inventory based on the variety of hazards filters to identify which chemicals fall under a specific category of hazards or generate a report.

Manifest reporting on hazardous chemicals or dangerous goods depends on jurisdictional requirements. An extensive list of compliance requirements can be found in the applicable jurisdictional standards and codes of practices. The following table

provides a short description for the Hazards/Data Filters menu options available in the system's side panel.

Hazards / Data Filters			
Hazards Menu	Hazards Specific	Dangerous Goods	Dangerous Goods Specific

Hazards Filters	Description
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.
Health	Filter by any chemical that is classified as a health hazard.
Environment	Filter by any chemical that is classified as an environmental hazard.
Physical	Filter by any chemical that is classified as a physical hazard.
Non-Hazardous	Filter by any chemical that is not classified as hazardous.

Hazards Specific	Description
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, e.g., radioactive substances, x-rays
Sensitisers	Filter for any chemical that causes allergic reaction in normal tissue after exposure. Examples include nickel, formaldehyde, isocyanates, phenol derivatives, chromium.

Hazards Specific	Description
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.
Reprotoxins	Filter for any hazardous chemical 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. 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.

Dangerous Goods	Description
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.
Non-Dangerous	Filter by any chemical that is not classified as a dangerous good.

Dangerous Goods Specific	Description
Corrosives	Filter for a chemical that is classified to destroy or damage living tissue by direct contact, e.g., sulphuric acid, sodium hydroxide, hydrogen peroxide, amines, bromine. In the case of leakage, corrosive substances will materially damage or destroy other goods or including the means of transportation.
Flammable	Filter for a hazard chemical, dangerous good classified as flammable. These are chemicals that may cause an explosion by heating, severe projection, explosion, a blast or fire or may mass explode in fire. Flammable chemicals are classified according to flashpoint, boiling point, ignition temperature. Flammable liquids with low BP generally present special fire hazards. Examples are petrol, diesel, benzene, acetone, methylated spirit, toluene.
Miscellaneous	Filter for substances and articles that present a danger especially during transport, not covered by other dangerous goods classes other than DG Class 9, e.g., airbag inflators, ammonium nitrate fertilisers, dry ice (solid carbon dioxide, lithium batteries.

Dangerous Goods Specific	Description
Oxidisers	Filter for dangerous materials which act as an oxidizing agent. A substance that is not necessarily combustible, but may, generally by yielding oxygen, cause or contribute to the combustion of other materials. Common examples are oxygen, hydrogen peroxide, chlorates, nitrates and halogens.
Toxic/Harmful	Filter for dangerous materials that are classified as toxic/harmful. These are chemicals that can cause sickness, injury or death if consumed. These include, arsenics, cyanides, barium compounds.
Radioactive	Filter by substances that emit invisible ionizing radiation that can be harmful to humans and animals, e.g., radium, cesium, uranium, isotopes, radioactive ores, thorium nitrate, plutonium.
Water-Reactive	Filter for any chemical that undergoes spontaneous reaction when in contact with water molecules, notably alkali metals, sodium, cesium, potassium, and zinc particles.
Explosive	Filter for any substances or articles that have the potential for a mass explosion hazard, e.g., detonators, ammunition, compounds that contain functional groups acetylide, haloamine, peroxide, di and tri-nitro compounds, picric acid (dry).

4.3.1. Filter Materials by Hazards All

The materials advanced grid view displays the hazard rating and hazard codes for all materials classified as hazardous chemicals.

Material Name	Hazard	CAS No	Vendor	Hazard Codes	Country	Language	Current Volume	DG	S1	S2	Part No	Group Own By
cocaine 24/10/2025 23/04/2026		50-36-2	Chemwatch	H301, H311, H317, H320, H331, H361, H400	USA	EN	0 kg	6.1				Document
Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025		Not Applicable	Chemwatch	H226, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550 L	3				CW No
Chevron Diesel Fuel No.2 10/10/2025 21/11/2025		Not Applicable	Chemwatch	H226, H320, H336, H351, H360Fd	AUS	EN	0 L	3				No Grouping
CRC Bioweld 10/10/2025 21/11/2025		Not Applicable	Chemwatch	H229, H319, AUH044	AUS	EN	4500 L	2.2				
Trifluoroacetic acid 28/09/2025 19/11/2025		76-05-1	Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100 L	8				
LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025		Not Applicable	Henkel Australia	H317, H319, H402	AUS	EN	0 L	Not Applicable				
LOCTITE 567 THREAD SEALANT ... 12/03/2025 24/10/2025		Not Applicable	Henkel Australia	H317, H319, H402	AUS	EN	0 L	Not Applicable				

The following steps provide information on how to derive a specific hazard report for all hazardous classified products from a folder list. In general, hazards filtering can be achieved at any folder level, where the selected folder contains materials.

Steps: Filter by Hazard All

The screenshot shows the Chemwatch GoldFFX interface. On the left, a sidebar contains a folder tree under 'All materials for administrator'. The main area displays a table of materials with columns for Material Name, Hazard, CAS No., Vendor, Hazard Codes, Country, Language, Current Volume, DG, and Part No. The 'Hazard' column shows color-coded icons. On the right, a panel contains filters and actions. Red circles 1 through 5 indicate the steps for filtering by hazard.

1. Open **Home** module .
2. Click on the **Folder** location to list materials.
3. Click the **Hazards/Data Filters** dropdown arrow from the Side Panel .
4. Select the **Hazards** category dropdown **arrow**.
5. Click the **All** radio button to filter the folder inventory for all hazardous chemicals.

The screenshot shows the Chemwatch GoldFFX interface with the 'Print Out' button highlighted in the top right corner. The main table of materials is visible, showing the results of the hazard filter. A red circle 6 indicates the 'Print Out' button.

 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.

6. Click the **Print Out** button .
7. Click the **List forward arrow** .
8. Select the **List** checkbox  **List** option.
9. Select the **Current page** radio button .
10. Click the **Start Process** button to generate the document.
11. Use the Print, Share or **Download** button  when the download process has reached 100%.

The screenshot shows the GoldFFX interface with a materials list table. A 'Print Out' overlay is visible on the right. Red circles highlight the following steps for generating a report:

- 7. Click the 'List' dropdown in the Print Out menu.
- 8. Select 'Current page' from the dropdown options.
- 9. Check the 'List' checkbox under 'Documents links'.
- 10. Click the 'Start Process' button.
- 11. Click the download icon (arrow pointing down) to save the report.

12. Choose the **folder destination** to save the report.

The downloaded Print List file contains data drawn from the list of materials for the current page in the grid

- i** 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.

List of Materials

Location: Australia/Victoria/Laboratory/Analytical Lab							25/05/2026 07-07-59		
Name	Hazard	CAS Number	Vendor	Country	Language	Volume	Dangerous Goods	UN No	Regulatory Burden
cocaine	3	50-36-2	Chemwatch	United States of America	English	0	6.1	1544	1
CRC Bioweld	1	Not Applicable	Chemwatch	Australia	English	4500	2.2	1950	1
Chevron Diesel Fuel No.2	2	Not Applicable	Chemwatch	Australia	English	0	3	1202	1
Caterpillar Diesel Fuel No.2	2	Not Applicable	Chemwatch	Australia	English	550	3	1993	1
Trifluoroacetic acid	4	76-05-1	Merck Life Science (Sigma-Aldrich)	Australia	English	100	8	2699	2

4.3.2 Filter Materials by Hazards-Specific Carcinogens

Carcinogens are hazardous chemicals that can cause cancer due to their ability to damage the genome or disruption of cellular metabolic processes. Filtering hazard classification for carcinogens is the process of identifying hazardous materials based on their potential to cause cancer under the GHS framework.

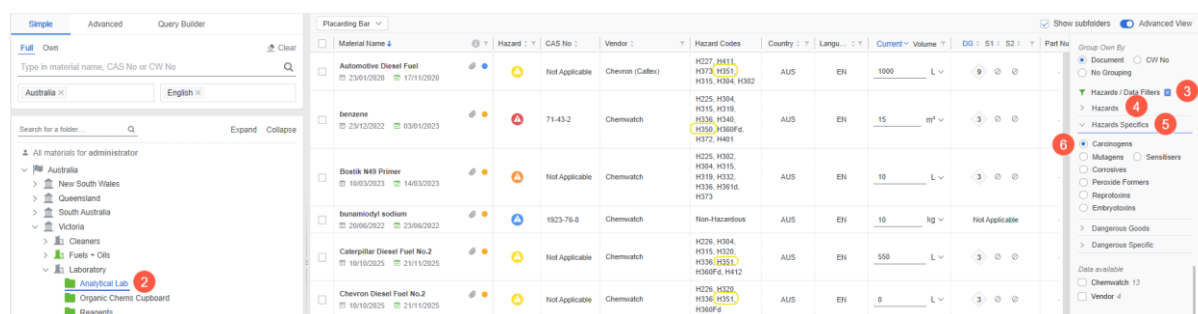
GHS Hazard Category Classification for Carcinogens

Hazard Category	Hazard Code	Hazard Statement	GHS Pictogram
Category 1	H350	May cause cancer	
Category 2	H351	Suspected to cause cancer	

The following steps show how to generate a specific hazard report for carcinogenic products in a folder. In general, the hazards filtering can be achieved at any folder level where materials are available.

Steps: Filter by Hazards Specific - Carcinogens

1. Open **Home** module .
2. Click on a **Folder** location to list materials.
3. Click the **Hazards/Data Filters** dropdown arrow from the side panel.
4. Select the **Hazards Specific** option from the menu.
5. Click the **Carcinogens** radio button.
6. Click the **Print Out** button  to generate the report.



7. Click the **List forward arrow** .
8. Select the **List checkbox** ☒ **List** option.
9. Select the **Current page** radio button .
10. Click the **Start Process** button  to generate the document.
11. Use the Print, Share or **Download** button    when the download process has reached 100%.
12. **Turn Off the Hazards/Data Filters** to go back to the original list.

Print Out

Report for Carcinogens in a Folder

List of Materials

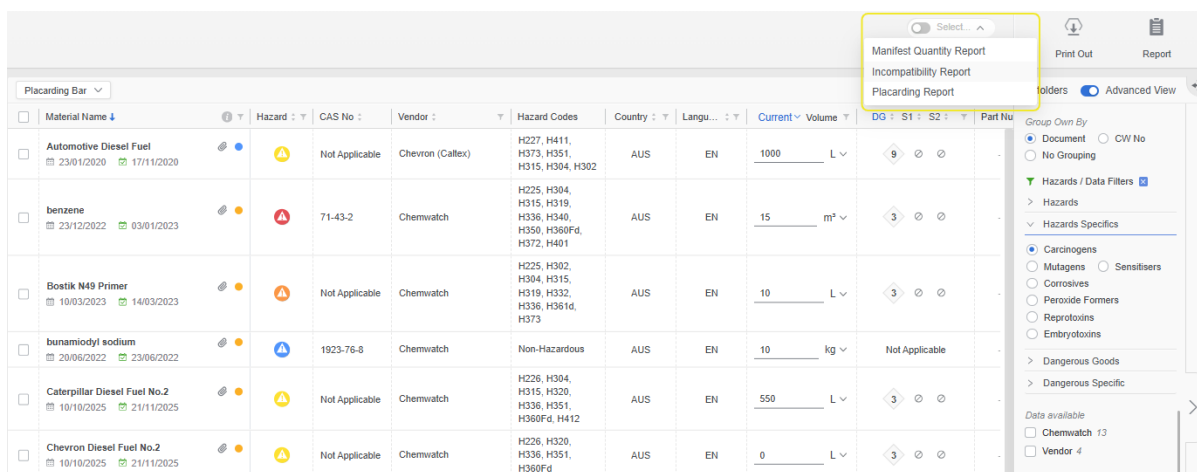
Location: Australia/Victoria/Laboratory/Analytical Lab								25/05/2026 07-32-29	
Name	Hazard	CAS Number	Vendor	Country	Language	Volume	Dangerous Goods	UN No	Regulatory Burden
Automotive Diesel Fuel	2	Not Applicable	Chevron (Caltex)	Australia	English	1000	9	3082	1
benzene	4	71-43-2	Chemwatch	Australia	English	15	3	1114	3
Bostik N49 Primer	3	Not Applicable	Chemwatch	Australia	English	10	3	1866	4
bunamiodyl sodium	1	1923-76-8	Chemwatch	Australia	English	10		None	1

4.3.3 Regulatory Reports

The **Regulatory Reports** mode contains two report types:

- Manifest Quantity Report
- Incompatibility Report

Regulatory Report	Description
Manifest Quantity Report (MQR)	The MQR filter generates the report on all hazardous chemicals in the selected folder location that meets the Manifest Quantity Threshold as per the WHS Schedule 11 requirements based on the Current/Maximum Volume/Weight values of chemicals stored on site/premises/locations.
Incompatibility Report	The Incompatibility Report filter produces a dangerous goods compatibility of hazardous chemicals where compatibility or segregation is required for stored materials on site/premises/locations.



Material Name	Hazard	CAS No.	Vendor	Hazard Codes	Country	Language	Current Volume	Part Number
Automotive Diesel Fuel	Not Applicable		Chevron (Callex)	H227, H411, H373, H351, H315, H304, H302	AUS	EN	1000 L	
benzene	71-43-2		Chemwatch	H225, H304, H315, H319, H336, H340, H350, H360Fd, H372, H401	AUS	EN	15 m³	
Bostik N49 Primer	Not Applicable		Chemwatch	H225, H302, H304, H315, H319, H332, H336, H361d, H373	AUS	EN	10 L	
bunamiodyl sodium	1923-76-8		Chemwatch	Non-Hazardous	AUS	EN	10 kg	Not Applicable
Caterpillar Diesel Fuel No.2	Not Applicable		Chemwatch	H226, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550 L	
Chevron Diesel Fuel No.2	Not Applicable		Chemwatch	H226, H320, H336, H351, H360Fd	AUS	EN	0 L	

The Chemwatch Manifest Quantity Report (MQR) is a comprehensive summary that provides vital information about hazardous chemicals in your workplace. This report details the quantity, classification, and location, ensuring you meet your obligations under the Model Work Health and Safety (WHS) Regulations in Australia. As a Person Conducting a Business or Undertaking (PCBU), it is a requirement to display appropriate placards, prepare a manifest report, and notify the local regulator when hazardous chemicals exceed specified threshold amounts. These amounts and types of chemicals are outlined in Schedule 11 of the Model WHS Regulations. Such amounts can be customised within the Chemwatch system to meet federal, state, or local requirements.

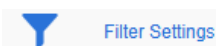
The manifest's purpose is to equip emergency services with essential information regarding hazardous chemicals, including their quantity, classification, and location. It also contains important company emergency contact details. In Australia for example, companies must inform their local Work Health and Safety Regulator if their facilities store, handle, or process Schedule 11 hazardous chemicals that exceed the Manifest Threshold Quantities.

When the MQR report is run, any selected folder will be applied in the MQR logic and highlight the folder location based on the following categories.

MQR Category Folder Label	Description
	Locations marked with an exclamation mark contain hazardous materials and are not designated as Manifest Facility Areas.
	Green-highlighted locations indicate that no hazard categories exceed their Email Notification Threshold.
	Yellow-highlighted locations indicate that some hazard categories exceed their Email Notification Threshold but remain below their Manifest Quantity.
	Red-highlighted locations indicate that some hazard categories exceed their specified Manifest Quantity.

The Chemwatch Manifest Quantity Report streamlines inventory monitoring and automates the notification process. By considering hazardous chemical quantities and notification thresholds, it assists in maintaining compliance with local regulations.

Placarding and Manifest Filter Settings



The Settings mode provides the Placarding and MQR Filter Settings for hazard classes, category type, dangerous goods classification, placarding quantity, manifest quantity, and manifest quantity notification threshold (%).

Placarding and Manifest Filter Settings								☒ Manifest Custom Quantity	☒ Miscellaneous (DG Class 9)
Hazard Class	Description of Hazard Chemical Type/Category	Dangerous Goods Class Classification (Subrisk, PKG)	Placard Quantity (P)	Manifest Quantity (Y)	Manifest Custom Quantity ✓	Manifest Quantity Notification Threshold (%)			
Flammable Gases	Category 1	2.1(except aerosols)	200	L 5000	L 5000	L 75			
	With Acute Toxicity, Category 1, 2, 3 and 4	2.3	50	L 500	L 2000	L 75			
	With Skin Corrosion 1A, 1B or 1C	2.1 (8)	50	L 500	L 2000	L 75			
Gases Under Pressure	Aerosols	2.1, 2.2 and 2.3	5000	L 10000	L 20000	L 75			
	Total Other Gases Not Specified Elsewhere in This Table	2.2	1000	L 10000	L 20000	L 75			
Flammable Liquids	Category 1	3 (II)	50	L 500	L 2000	L 75			
	Category 2	3 (II)	250	L 2500	L 10000	L 75			
	Category 3	3 (III)	1000	L 10000	L 20000	L 75			
	Total Flammable Liquid Categories 1, 2, 3	Total	1000	L 10000	L 20000	L 75			
	Category 4	Combustible Liquids (flash point < 93°C)	10000	L 100000	L 100000	L 75			
Self-reactive Substances	Type A	Goods Too Dangerous To Be Transported (GTD/TBT)	5	KG or L 50	KG or L 0	KG or L 75			
	Type B	4.1	50	KG or L 500	KG or L 2000	KG or L 75			
	Type C - F	4.1	250	KG or L 2500	KG or L 10000	KG or L 75			
Flammable Solids	Category 1	4.1 (II)	250	KG 2500	KG 10000	KG 75			
	Category 2	4.1 (III)	1000	KG 10000	KG 20000	KG 75			
	Total Self-Reactive Type B, C, F and Flammable Solids Category 1, 2	Total	1000	KG or L 10000	KG or L 20000	KG or L 75			
Pyrophoric Liquid or Solid	Category 1	4.2 (I)	50	KG or L 500	KG or L 2000	KG or L 75			
Self-Heating Substances and Mixtures	Category 1	4.2 (II)	250	KG or L 2500	KG or L 10000	KG or L 75			

MQR Fields Editable Values

The Placarding Quantity, Manifest Quantity and Notification threshold values can be adjusted to specific local business requirements other than the default Schedule 11 thresholds to meet your business objectives.

Placarding and Manifest Filter Settings								☒ Manifest Custom Quantity	☒ Miscellaneous (DG Class 9)
Hazard Class	Description of Hazard Chemical Type/Category	Dangerous Goods Class Classification (Subrisk, PKG)	Placard Quantity (P)	Manifest Quantity (Y)	Manifest Custom Quantity ✓	Manifest Quantity Notification Threshold (%)			
Flammable Liquids	Category 2	3 (II)	250	L 2500	L 10000	L 75			
	Category 3	3 (III)	1000	L 10000	L 20000	L 75			
	Total Flammable Liquid Categories 1, 2, 3	Total	1000	L 10000	L 20000	L 75			
	Category 4	Combustible Liquids (flash point < 93°C)	10000	L 100000	L 100000	L 75			
Self-reactive Substances	Type A	Goods Too Dangerous To Be Transported (GTD/TBT)	5	KG or L 50	KG or L 0	KG or L 75			
	Type B	4.1	50	KG or L 500	KG or L 2000	KG or L 75			
	Type C - F	4.1	250	KG or L 2500	KG or L 10000	KG or L 75			
Flammable Solids	Category 1	4.1 (II)	250	KG 2500	KG 10000	KG 75			
	Category 2	4.1 (III)	1000	KG 10000	KG 20000	KG 75			
	Total Self-Reactive Type B, C, F and Flammable Solids Category 1, 2	Total	1000	KG or L 10000	KG or L 20000	KG or L 75			

i Access to the MQR Filter Settings is administered by the domain administrator to permit manager(s) via privileges to edit the values/threshold amounts for the various hazard classes/category of hazardous chemicals. Note that any value change will affect the entire domain.

The following steps show how to generate the Manifest Quantity Report and the Incompatibility Report.

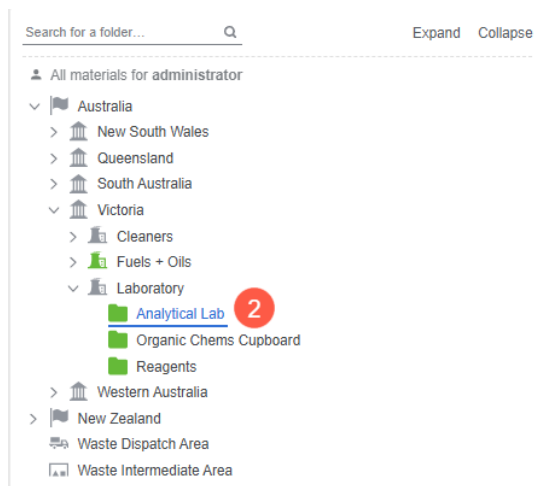
4.3.3.1 Filter Materials by Manifest Quantity Report

Steps: Filter by Manifest Quantity Report

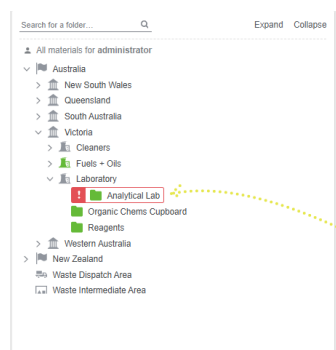
1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Regulatory Reports** dropdown arrow or the **Switch** icon.
4. Select the **Manifest Quantity Report** option to run the report details.
5. Click on the **Highlighted Folder** on the tree panel to display the details, e.g., Red-highlighted folder .
6. The **Manifest Quantity Report** details are displayed on the grid.
7. Click the **Print Out** button  to generate the report.

8. Click the **Regulatory Reports Switch off**

 Manifest Quantity Report  to go back to the default folder inventory grid display.



Manifest Quantity Report										
Placarding Bar										
Material Name	Hazard	CAS No.	Vendor	Hazard Codes	Country	Language	Current	Volume	Part Nu	Group Own By
0.1% Trifluoroacetic Acid in Water		76-05-1	Chem-Supply (Honeywell)	Non-Hazardous	AUS	EN	0	L	Not Applicable	
56K-D0094 Dulux Professional Fas...		Not Applicable	DuluxGroup	H317	AUS	EN	0	L	Not Applicable	
70% ethanol		Not Applicable	Chemwatch	H225, H319	AUS	EN	0	L	1144	
acetone		Not Applicable	Huntsman	AUH066, H336, H319, H225	AUS	EN	0	L	1111	
acetone		67-64-1	Chemwatch	H225, H319, H336, AUH066	AUS	EN	0	L	333	
acetone		Not Applicable	MP Biomedicals	H225, H319, H336	AUS	EN	0	L	4567	
Acetone		Not Applicable	Sigma-Aldrich (Merck)	H225, H319, H336	AUS	EN	0	L		
Apparent Rocky 745 Herbicide		Not Applicable	AIRR Apparent	Non-Hazardous	AUS	EN	0	L	Not Applicable	
Automotive Diesel Fuel		Not Applicable	Chevron (Callex)	H227, H411, H373, H351, H315, H304, H302	AUS	EN	1000	L	9	
benzene		Not Applicable	Sigma-Aldrich (Merck)	Non-Hazardous	SGP	EN	30	L	444	



Select a highlighted folder to view the Manifest Quantity report details

- ! Locations marked with an exclamation mark (!) contain hazardous materials and are not designated as Manifest Facility Areas.
- Green-highlighted locations indicate that no hazard categories exceed their Email Notification Threshold.
- Yellow-highlighted locations indicate that some hazard categories exceed their Email Notification Threshold but remain below their Manifest Quantity.
- Red-highlighted locations indicate that some hazard categories exceed their specified Manifest Quantity.

Red-highlighted folder displaying materials some hazard categories that exceed specified Manifest Quantity.

Search for a folder... Expand Collapse

All materials for administrator

- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Laboratory
 - Analytical Lab
 - Organic Chems Cupboard
 - Reagents
 - Western Australia
 - New Zealand
 - Waste Dispatch Area
 - Waste Intermediate Area

Description of Hazard Chemical		DG Class	Subrisk	PKG	Maximum Quantity at Workplace (X)
Hazard Class	Type/Category				
Gases Under Pressure	Aerosols	2.1, 2.2 and 2.3	N/A	N/A	4500 L
Material Name		Proper Shipping Name	UN Number	Vol/WT	
CRC Blowd		AEROSOLS	1950	4500 L	
Flammable Liquids	Category 2	3	N/A	II	1960 L
Flammable Liquids	Category 3	3	N/A	III	1000 L
Flammable Liquids	Total Flammable Liquid Categories 1, 2, 3	Total	N/A	N/A	2960 L
Acute Toxicity	Category 3	6.1	N/A	III	46 kg
Acute Toxicity	Total Acute Toxicity	Total	N/A	N/A	46 kg
Skin Corrosion	Category 1A	8	N/A	I	246.1 kg
Skin Corrosion	Total Skin Corrosive and Corrosive to Metals	Total	N/A	N/A	246.1 kg

Print  or Download  Report

Print Window

Analytical Lab_2026_05_25

1 / 6 100%

MANIFEST OF HAZARDOUS CHEMICALS

Business Name: _____

Address of Premise(s): _____

Date of Preparation: 25/05/2026

Building Name: _____

Manifest Facility Area: Non a Manifest Facility Area

Emergency Contacts

Name	Position	Telephone
BH:		AH:
BH:		AH:
BH:		AH:

Item	Description of Hazard Chemicals	DG Class	Subrisk	PKG	Material Name	Proper Shipping Name	UN Number	Manifest Quantity (Y)	Maximum Quantity at workplace (X)	Maximum Quantity at workplace Unit	Manifest Notification Required	Manifest Custom Quantity	Manifest Custom Quantity Overreached
1	Flammable Gases	Category 1	2.1 (except aerosols)	N/A	N/A			5000.0 L			No	5000.0 L	No
3	With Acute Toxicity, Category 1, 2, 3 and 4	2.3	N/A	N/A				500.0 L			No	2000.0 L	No
5	With Skin Corrosion 1A, 1B or 1C	2.1	8	N/A				500.0 L			No	2000.0 L	No
8	Gases Under Pressure	Aerosols	2.1, 2.2 and 2.3	N/A	CRC Blowd	AEROSOLS	1950	10000.0 L	4500.0 L	L	Yes	20000.0 L	No
9								10000.0 L	4500.0 L	L	Yes	20000.0 L	No
10	Total Other Gases Not Specified Elsewhere in This Table	2.2	N/A	N/A				10000.0 L			No	20000.0 L	No
12	Flammable Liquids	Category 1	3	N/A	I			500.0 L			No	2000.0 L	No
14		Category 2	3	N/A	II	Inquila	Alcoholic beverages	3065	2500.0 L	450.0 L	Yes	10000.0 L	No

Cancel

4.3.3.2 Filter Materials by Incompatibility Report

The management of risks associated with hazardous chemicals includes the identification of chemicals that are incompatible due to their chemical properties and characteristics. Generally, the SDS provides information in Section 7 (Handling and Storage) and Section 10 (Stability and Reactivity). Chemwatch has made it simpler for businesses or organisations to quickly draw a report that will identify chemicals' incompatibility of materials in a folder to identify which dangerous goods are not compatible and where segregation is required to ensure safe storage requirements are considered for compliance.

The **Incompatibility Report** in the system provides a summary of storage compatibility or incompatibility based on Dangerous Goods Classification. Materials in a folder are checked in combination with all other chemicals for any incompatibility based on the dangerous goods class of the materials in a folder. This logic includes all subsidiary nodes if the report is generated from a parent folder. The report provides segregation guidance notes for incompatible materials through an information icon .

There are three primary categories used for the incompatibility criteria.

- Compatible
- Incompatible
- Segregation

Category	Description
Compatible	Generally, most materials of the same dangerous goods class will be compatible.
Incompatibility may exist	Most materials of the same dangerous goods class will be compatible. However, not all materials with different UN Numbers will always be compatible. Highly recommended to check the SDS for more details for storage and handling, stability and reactivity and disposal requirements.
Segregation	Chemicals must be separated by a specific distance due to incompatibilities. Separating incompatible materials is one of the most important controls when storing hazardous chemicals. Separating chemicals may include separation techniques including distance, barriers, sperate rooms, building and storage external tanks. Refer to the SDS for further guidance and details.

Incompatibility is important as hazardous chemicals can still pose a risk or contribute to the effects of incidences, especially if unsafely stored.

Attribute	Action	Rational	Expectation
Hazards Filter (Incompatibility Report)	Users can filter a list of materials in a folder to generate the Incompatibility Report	Filtering the list of chemicals in any folder enables users to reflect on the incompatibility report's findings and make the necessary storage adjustments where applicable to ensure compliance with storage segregation requirements.	Generally, users with access to the folder structure can use the hazards filter to print, share or download the incompatibility report for the identification of incompatibilities of chemicals in a location and take the necessary action.

Segregation Classes

There are five Segregation (S) categories S1, S2, S3, S4 and S5 that are utilised to identify dangerous goods that require segregation. The table below provides a summary of the segregation classes.

Segregation Class	Segregation Guidance Notes
S1	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.
S2	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.
S3	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.

S4	Segregation preferred using fire-rated partitioned areas. Consider use of separate detached building for organic peroxides and for highly pyrophoric class 4.2 goods.
S5	Segregation of class 4.3 preferred by use of a separate, detached building without water-based fire suppression system.

The following steps illustrate how to derive a specific hazard report based on the incompatibility of dangerous goods where they may exist in any folder that contains an inventory.

Steps: Filter by Incompatibility Report

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Regulatory Reports** dropdown arrow or the **Switch** icon.
4. Select the **Incompatibility Report** option to run the report details.
5. Click the **Print** button  to generate the report.
6. Compare Incompatible dangerous goods and consider any segregation requirements required.
7. Click the active Switch to turn it off  **Manifest Quantity Report** to go back to the default folder inventory grid display.

Incompatibility Report

Store name: Australia/Victoria/Laboratory/Analytical Lab

Segregation Required DGC 4.3 vs DGC 5.1 ⓘ

DGC 4.3 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	DGC 5.1 Nitrous oxide
---	---	------------------------------

Segregation Required DGC 4.3 vs DGC 2.2SR5.1 ⓘ

DGC 4.3 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	DGC 2.2SR5.1 Nitrous oxide
---	---	-----------------------------------

Incompatibilities may exist DGC 2.1 vs DGC 2.1 ⓘ

DGC 2.1 Rust-Oleum TRMCLD +6X340G Sprr HI Heat FI at Black WD 40 - Aerosol MILESTONE INSECT SPRAY	COMPATIBLE A	DGC 2.1 MILESTONE INSECT SPRAY Rust-Oleum TRMCLD +6X340G Sprr HI Heat FI at Black WD 40 - Aerosol
---	-----------------	---

i Note that each chemical is compared with those on the right; row by row and the incompatibility segregation level if flagged out with the information icon ⓘ where applicable.

Incompatibility Report

Store name: Australia/Victoria/Laboratory/Analytical Lab

Segregation Required DGC 4.3 vs DGC 5.1 ⓘ

DGC 4.3 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	DGC 5.1 Nitrous oxide
---	---	------------------------------

Segregation Required DGC 4.3 vs DGC 2.2SR5.1 ⓘ

DGC 4.3 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	DGC 2.2SR5.1 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.
---	---	--

Incompatibilities may exist DGC 2.1 vs DGC 2.1 ⓘ

DGC 2.1 Rust-Oleum TRMCLD +6X340G Sprr HI Heat FI at Black WD 40 - Aerosol MILESTONE INSECT SPRAY	COMPATIBLE A	DGC 2.1 MILESTONE INSECT SPRAY Rust-Oleum TRMCLD +6X340G Sprr HI Heat FI at Black WD 40 - Aerosol
---	-----------------	---

Compatible DGC 8 vs DGC 9 ⓘ

DGC 8  CIGWELD ChromeBright sodium hydroxide Sodium hydroxide Sodium Hydroxide 25%	COMPATIBLE C	DGC 9  Automotive Diesel Fuel QuickBayt® Spray Fly Bait
--	---------------------------------------	--

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. Please check the SDS.

Compatible DGC 3 vs DGC 9 ⓘ

DGC 3  acetone Acetone ACETONE benzene ethanol Woodcare Interior Varnish Gloss	COMPATIBLE B	DGC 9  Automotive Diesel Fuel QuickBayt® Spray Fly Bait
--	---------------------------------------	--

Compatible DGC 8 vs DGC 9 ⓘ

DGC 8  CIGWELD ChromeBright sodium hydroxide Sodium hydroxide Sodium Hydroxid	COMPATIBLE C	DGC 9  Automotive Diesel Fuel QuickBayt® Spray Fly Bait
---	---------------------------------------	---

In many cases the goods will be compatible. Must check for subsidiary risk compatibility. Please check the SDS.

Compatible DGC 3 vs DGC 9 ⓘ

DGC 3  acetone Acetone ACETONE benzene ethanol Woodcare Interior Varnish Gloss	COMPATIBLE B	DGC 9  Automotive Diesel Fuel QuickBayt® Spray Fly Bait
--	---------------------------------------	---

Incompatibility Report Print Out

Chemwatch
Powered by Innovation

Incompatibility Report

Store name: Australia/Victoria/Laboratory/Analytical Lab

Segregation Required DGC 4.3 vs DGC 5.1

DGC 4.3	Segregation Required	DGC 5.1
Corrosive 4 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	Oxidizing 5.1 Nitrous oxide

Segregation Required DGC 4.3 vs DGC 2.2SR5.1

DGC 4.3	Segregation Required	DGC 2.2SR5.1
Corrosive 4 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	Corrosive 2.2SR5.1 Oxidizing 5.1 Nitrous oxide

Chemwatch
Powered by Innovation

Incompatibility Report

Store name: Australia/Victoria/Laboratory/Analytical Lab

Segregation Required DGC 4.3 vs DGC 5.1

DGC 4.3	Segregation Required	DGC 5.1
Corrosive 4 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	Oxidizing 5.1 Nitrous oxide

Segregation Required DGC 4.3 vs DGC 2.2SR5.1

DGC 4.3	Segregation Required	DGC 2.2SR5.1
Corrosive 4 tantalum pentakis(dimethylamide)	SEGREGATION DETACHED BUILDING REQUIRED	Corrosive 2.2SR5.1 Oxidizing 5.1 Nitrous oxide

Incompatibilities may exist DGC 2.1 vs DGC 2.1 A

DGC 2.1	Compatibility	DGC 2.1
Rust-Oleum TRIMOLD HEAVY-DUTY Step HI Heat FI at Black WD 40 - Aerosol MILESTONE INSECT SPRAY	COMPATIBLE A	MILESTONE INSECT SPRAY Rust-Oleum TRIMOLD HEAVY-DUTY Step HI Heat FI at Black WD 40 - Aerosol

4.4 Simple Mode - Materials Grid Filtering and Sorting Lists

The main objective of this section covers the materials grid filtering options in simple mode view on how to:

- Filter by Material Name
- Filter by Hazard
- Filter by Dangerous Goods Packing Groups
- Filter by regulatory burden level
- Filter by Material Tag



The Home module's materials Simple mode grid contains several filters within specific column headers that can be used to draw data from a folder list inventory.

Users can filter  the grid by:

- Material name
- EPD
- HPD
- Risk Band
- Hazard Rating level
- Dangerous Goods
- PKG (Packing Group)
- Regulatory Burden
- Auto Approval
- Material Tags

Material Name	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...	Current	Volume	Material Tags
12.5% Bleach 01/02/2019 09/05/2020							20	L	Compatibility X
BLEACH 01/08/2020 10/11/2020					No UN		450	L	Extreme Hazard X
Cargill Sodium Chloride Food-Industrial ... 29/12/2023 29/12/2023					No UN		0	kg	Moderate Hazard X
FORMALDEHYDE 41% 23/12/2022 30/12/2022							0	L	High Hazard X
Glitter Paint 15/03/2021 20/05/2022					No UN		5	L	Minimum Data X
Henkel Loctite 5031/40LB 10/12/2021 18/12/2021					No UN		0	L	High Hazard X
Poster Paint 23/12/2022 31/12/2022					No UN		0	L	Minimum Hazard X
Sodium Chloride Tablets 15/12/2022 12/04/2024					No UN		0	kg	Minimum Data X
SULPHURIC ACID 70% 24/03/2011					No UN		0	L	Data Not Available X

Columnar Filters

4.4.1 Filter by Material Name

The following steps show filtering the list of materials by material name using the filter operand options:

- Contains
- Equals

 Note that when the filter icon is inactive it is displayed as grey by default. However, when the filter is used, it displays in green colour.

Steps: Filter Material Name Column by “Contains”

Simple Advanced Query Builder

Full Own

Clear

Type in material name, CAS No or CW No

Australia x

English x

Search for a folder...

Expand Collapse

All materials for administrator

Australia

New South Wales

Queensland

South Australia

Victoria

Cleaners

Fuels + Oils

Laboratory

Analytical Lab

Organic Chems Cupboard

Reagents

Western Australia

Zealand

Waste Dispatch Area

Waste Intermediate Area

Placarding Bar

Material Name

Hazard

CAS No

Vendor

Hazard Codes

Country

Language

Current

Volume

benzene

cocaine

Chevron Diesel Fuel No. 2

CRC Bioweld

Caterpillar Diesel Fuel No. 2

Trifluoroacetic acid

LOCTITE 567 THREAD SEALANT ...

LOCTITE 567 THREAD SEALANT

MILESTONE INSECT SPRAY

Sodium hydroxide

Contains

Equals

Acetone

Apply

Remove

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Sigma-Aldrich (Merck)

Chemwatch

Chemwatch

Chemwatch

Chemwatch

Merck Life Science (Sigma-Aldrich)

Henkel Australia

Henkel Australia

Milestone Chemicals

Merck Life Science (Sigma-Aldrich)

Non-Hazardous

H301, H311, H317, H330, H331, H361, H400

H226, H320, H336, H351, H360Fd

H229, H319, AUH044

H226, H304, H315, H320, H336, H351, H360Fd, H412

H314, H318, H332

H317, H319, H402

H317, H319, H402

H222, H229, H319, H351, H370, H372

No Data

SGP

USA

AUS

AUS

AUS

AUS

AUS

AUS

AUS

EN

EN

EN

EN

EN

EN

EN

EN

EN

30

0

0

4500

550

100

0

0

0

0

L

kg

L

L

L

L

L

L

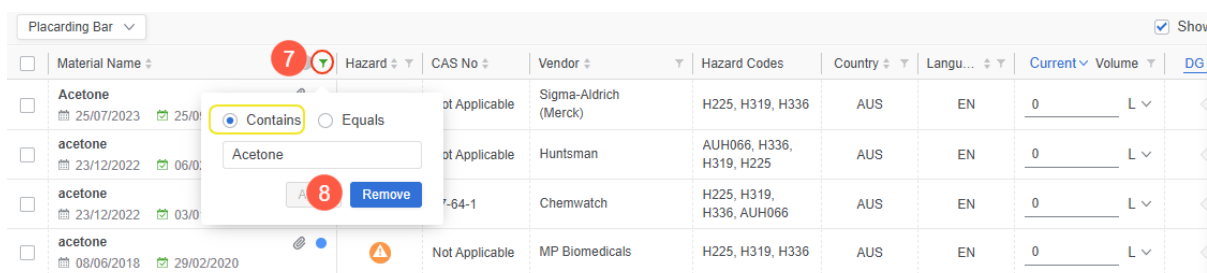
L

L

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Material Name Filter** icon  located on the column header.
4. Select the **Contains** or Equals radio button to assign the desired parameter.
5. **Type the name of the material** to conduct the filtering.
6. Click the **Apply** button .

The **filtered** results display all materials found within the grid that contain the search term or word or exact match of the material name.

7. Click on the **green Filter icon**  to open the dialogue.
8. Click the **Remove** button  to return to the entire inventory list.



Material Name	Hazard	CAS No	Vendor	Hazard Codes	Country	Language	Current	Volume	DG
Acetone 25/07/2023 25/07/2023	Not Applicable		Sigma-Aldrich (Merck)	H225, H319, H336	AUS	EN	0	L	
acetone 23/12/2022 06/01/2023	Not Applicable		Huntsman	AUH066, H336, H319, H225	AUS	EN	0	L	
acetone 23/12/2022 03/01/2023	Not Applicable		Chemwatch	H225, H319, H336, AUH066	AUS	EN	0	L	
acetone 08/06/2018 29/02/2020	Not Applicable		MP Biomedicals	H225, H319, H336	AUS	EN	0	L	

4.4.2 Filter by Hazard

The following steps show how to filter the list of materials by hazard rating.

-  Note that when the filter icon is inactive it is displayed as grey by default. However, when the filter is used, it displays in green colour.

Steps: Filter Hazard Column by "Hazard Rating"

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Hazard Filter** icon  located on the column header.
4. Select the **Hazard Rating checkbox**, e.g., Extreme rating to filter extremely hazardous chemicals from the inventory list.

5. Click the **Apply** button .
- The filtered results display any material(s) found within the grid that are rated as extremely hazardous by nature.

6. Click on the **green Filter icon**  to open the dialogue.
7. Click the **Remove** button  to return to the entire inventory list.

Placarding Bar

Full Own Clear

Type in material name, CAS No or CW No

Australia x English x

Search for a folder...

Expand Collapse

All materials for administrator

- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Laboratory
 - Analytical Lab
 - Organic Chems Cupboard
 - Reagents

Material Name	Hazard	CAS No	Vendor	Hazard Codes	Country	Language	Current Volume
benzene	No Data		Sigma-Aldrich (Merck)	Non-Hazardous	SGP	EN	30 L
cocaine	Non-GHS		Chemwatch	H301, H311, H317, H320, H331, H361, H400	USA	EN	0 kg
Chevron Diesel Fuel No.2	Low		Chemwatch	H228, H320, H336, H351, H360Fd	AUS	EN	0 L
CRC Bioweld	Moderate		Chemwatch	H229, H319, AUH044	AUS	EN	4500 L
Caterpillar Diesel Fuel No.2	Extreme		Chemwatch	H228, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550 L
Trifluoroacetic acid	76-05-1	Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100 L	
LOCTITE 567 THREAD SEALANT ...	Not Applicable	Henkel Australia	H317, H319, H402	AUS	EN	0 L	
LOCTITE 567 THREAD SEALANT	Not Applicable	Henkel Australia	H317, H319, H402	AUS	EN	0 L	

All materials that are extremely hazardous are filtered out and display the extreme hazard icon.

Placarding Bar

Material Name	Hazard	CAS No	Vendor	Hazard Codes	Country	Language	Current Volume
Trifluoroacetic acid 28/09/2025 19/11/2025	Extreme	76-05-1	Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100 L
MILESTONE INSECT SPRAY 01/11/2024 02/04/2025	Extreme	Not Applicable	Milestone Chemicals	H222, H229, H319, H351, H370, H372	AUS	EN	0 L
Suncor Energy Naphtha (Sweet) 15/02/2024 15/02/2024	Extreme	Not Applicable	Chemwatch	H225, H304, H315, H319, H336, H340, H350, H360Fd, H373, H402	AUS	EN	0 L
NGL Condensate A-180 04/01/2024 03/01/2024	Extreme	Not Applicable	Chemwatch	H225, H302, H304, H315, H319, H336, H340, H350, H360Fd, H373, H402, H410	AUS	EN	0 L

Remove filter condition to go back to the original inventory list.

Placarding Bar

Trifluoroacetic acid
28/09/2025 19/11/2025

MILESTONE INSECT SPRAY
01/11/2024 02/04/2025

Suncor Energy Naphtha (Sweet)
15/02/2024 15/02/2024

NGL Condensate A-180
04/01/2024 03/01/2024

Merck Life Science (Sigma-Aldrich)

Milestone Chemicals

Chemwatch

Chemwatch

H314, H318, H332

H222, H229, H319, H351, H370, H372

H225, H304, H315, H319, H336, H340, H350, H360Fd, H373, H402

H225, H302, H304, H315, H319, H336, H340, H350, H360Fd, H373, H402, H410

AUS

AUS

AUS

AUS

EN

EN

EN

EN

100 L

0 L

0 L

0 L

4.4.3 Filter by Dangerous Goods PKG

The packing group classification for dangerous goods transportation of hazardous materials categorises substances on the degree of danger they present. There are three main Packing Groups as follows:

- Packing Group I
- Packing group II
- Packing Group III

User interface Filter options by DG Class

Advanced Grid DG Class Filter

Placarding Bar	Material Name	Hazard	Vendor	Hazard Codes	Country	Language	Current	Volume	UN No	DG	S1	S2	PKG	CAS
	Chevron Diesel Fuel No.2		Chemwatch	H226, H320, H336, H351, H360Fd	AUS	EN	0	L	1202	3				
	CRC Bioweld		Chemwatch	H229, H319, AUH044	AUS	EN	4500	L	1950	2.2				
	Caterpillar Diesel Fuel No.2		Chemwatch	H226, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550	L	1993	3				
	Trifluoroacetic acid		Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100	L	2699	8				
	LOCTITE 567 THREAD SEALANT ...		Henkel Australia	H317, H319, H402	AUS	EN	0	L		NotAp				
	LOCTITE 567 THREAD SEALANT		Henkel Australia	H317, H319, H402	AUS	EN	0	L		NotAp				
	MILESTONE INSECT SPRAY		Milestone Chemicals	H222, H229, H319, H351, H370, H372	AUS	EN	0	L	1950	2.1				

User interface Filter options by DG Class Packing Group (PKG)

Advanced Grid PKG Filter

Placarding Bar	Material Name	Hazard	Vendor	Hazard Codes	Country	Language	Current	Volume	UN No	DG	S1	S2	PKG	CAS
	Chevron Diesel Fuel No.2		Chemwatch	H226, H320, H336, H351, H360Fd	AUS	EN	0	L	1202	3				
	CRC Bioweld		Chemwatch	H229, H319, AUH044	AUS	EN	4500	L	1950	2.2				
	Caterpillar Diesel Fuel No.2		Chemwatch	H226, H304, H315, H320, H336, H351, H360Fd, H412	AUS	EN	550	L	1993	3				
	Trifluoroacetic acid		Merck Life Science (Sigma-Aldrich)	H314, H318, H332	AUS	EN	100	L	2699	8				

Packing Group Summary

PKG	Level of Danger	Description	UI Graphic	Examples
PKG I	Greater Danger	This group poses the greatest danger and hence requires the most significant packing standards to ensure safety at the highest level.		Highly flammable liquids, corrosives, extremely toxic.
PKG II	Medium Danger	Substances categorised into this group present a moderate level of danger. Robust packaging is required to mitigate any risks.		Flammable liquids, moderately toxic, moderately corrosive.
PKG III	Minor Danger	This group comprises of substances that pose a lower risk during transportation of dangerous goods. Packaging requirements are least stringent, however necessary for safety.		Less flammable liquids, mildly toxic, slightly corrosive.
Not Applicable	Not Applicable	Substances that are not categorised into any packing group.		Some classes do not have packing groups, e.g., DGC 2, 6.2, 7.

The steps below show how to filter a list of materials in a folder by Packing Group using the Simple grid's Dangerous Goods column filtering feature.

Steps: Filter Materials by “DG Column Filter”

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Dangerous Goods Filter** icon  located on the column header.
4. Select the **Packing Group** checkbox.
5. Click the **Apply** button .

The filtered results display all materials found within the grid that are classified with Packing Group.

6. Click on the **green Filter** icon  to open the dialogue.
7. Click the **Remove** button  to return to the entire inventory list.

Filtered Result

Remove Filter

4.4.4 Filter by Regulatory Burden

Regulatory Burden is a calculation measure of regulation surrounding a substance in the regulatory lists to indicate the level of regulation. This quantitative score is based on the product ingredients and the frequency it shows up on negative or positive regulatory

lists. The regulatory burden for Chemwatch Numbers (CW No.) and SDS documents fall in distinctive bands that are colour coded gavels to signal the regulatory level of importance and this signal is displayed within the grid for each material with classification data in a folder inventory.

Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval
benzene								Non Dangerous		
cocaine										
Chevron Diesel Fuel No.2										
CRC Bioweld										
Caterpillar Diesel Fuel No.2										
Trifluoroacetic acid										

Regulatory Burden Gavel	Colour of the Gavel	Level of Regulatory Importance
	Red	Extremely Regulated
	Orange	Lightly Regulated
	Yellow	Highly Regulated
	Green	Moderately Regulated

The steps below show how to filter a list of materials in a folder by Regulatory Burden using the grid's Alerts Regulatory column filtering feature.

Steps: Filter Materials by "Regulatory Burden Filter"

Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval
benzene								Non Dangerous		
cocaine										
Chevron Diesel Fuel No.2										
CRC Bioweld										
Caterpillar Diesel Fuel No.2										
Trifluoroacetic acid										
LOCITE 567 THREAD SEALANT								Non Dangerous		
MILESTONE INSECT SPRAY										
Sodium hydroxide										
Chloroform/MAA								Non Dangerous		
Benzene								Non Dangerous		
Sunco Energy Naphtha (Sweet)										

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Regulatory Filter** icon  located on the column header.
4. Select the desired **Colour Coded Gavel Rating** checkbox.
5. Click the **Apply** button  to filter by selected regulatory burden rating.

The **filtered** results display all materials found within the grid that are regulatory rated.

6. Click on the **green Filter icon**  to open the dialogue.
7. Click the **Remove** button  to return to the entire inventory list.

Extremely Regulatory Filtered Results

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...
FORMALDEHYDE 41% 23/12/2022 30/12/2022							
Poster Paint 23/12/2022 31/12/2022						No UN	

Return to Original Inventory List

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...	Current	Volume
FORMALDEHYDE 41% 23/12/2022 30/12/2022									
Poster Paint 23/12/2022 31/12/2022						No UN			

6

Regulatory ...

☐ Lightly Regulated
☐ Moderately Regulated
☐ Highly Regulated
☒ Extremely Regulated

Apply  Remove 

 The **Regulatory Burden** is a proprietary rating on a chemical product which indicates using a traffic light based on the approach to the amount of regulation surrounding a chemical product. It is a simple quantitative metric that allows users to see the alert on how heavily regulated a product may be.

For example, Section 15 (Regulatory Information) for the selected material's Gold SDS with CW#4550-47, shows the specific lists for the substance or mixture's safety, health and environmental regulations or legislation.

Section 1: Identification



FORMALDEHYDE 41%

Chemwatch2

Chemwatch: 4550-47

Version No: 7.1

Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 23/12/2022

Print Date: 22/05/2024

S.GHS.AUS.EN

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

Product Identifier

Product name: FORMALDEHYDE 41%

Synonyms: methylene oxide methyl aldehyde, formaldehyde solutions, non flammable methanal solution

Proper shipping name: FORMALDEHYDE SOLUTION with not less than 25% formaldehyde (contains formaldehyde)

Chemical formula: Not Applicable

Other means of identification: Not Available

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

Relevant identified uses: Use according to manufacturer's directions.

Section 7: Regulatory Information



SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

formaldehyde is found on the following regulatory lists

- Australian Inventory of Industrial Chemicals (AIIC)
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 2
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 10 / Appendix C
- Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
- Chemical Footprint Project - Chemicals of High Concern List

methanol is found on the following regulatory lists

- Australian Inventory of Industrial Chemicals (AIIC)
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 10 / Appendix C
- Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
- Chemical Footprint Project - Chemicals of High Concern List

formic acid is found on the following regulatory lists

- Australian Inventory of Industrial Chemicals (AIIC)
- Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5
- Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

water is found on the following regulatory lists

- Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (formaldehyde, methanol, formic acid, water)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes

4.4.5 Filter by EPD

An Environmental Product Declaration (**EPD**) is a sustainability report for an SDS. EPD documents can be translated into 49 different languages. The language filter aligns with the EPD document, displaying the report in the selected language. The EPD column is available in Simple mode grid view.

Placarding Bar ▼ Show subfolders

			Documents					Alerts				
☐	Material Name ▼	🔍 ⬇	SDS	Mini	Label	EPD ▼	HPD ▼ 🔍 ⬇	Risk Band 🔍	Hazard ▼ ⬇	Dangerous G... ▼ 🔍 ⬇	Regulatory ...	
☐	benzene	🔗 🔵	📄	📄	🔗	📄	🔗	🟢	?	Non Dangerous		
☐	cocaine 24/10/2025 🟢 23/04/2026	🔗 🟡	📄	📄	🔗	📄	🟢	🟢	⚠️	⬇	🟢	
☐	Chevron Diesel Fuel No.2 10/10/2025 🟢 21/11/2025	🔗 🟡	📄	📄	🔗	⚠️	🟢	🟢	⚠️	🟢	🟢	
☐	CRC Bioweld 10/10/2025 🟢 21/11/2025	🔗 🟡	📄	📄	🔗	📄	🟢	🟢	⚠️	⬇	🟢	
☐	Caterpillar Diesel Fuel No.2 10/10/2025 🟢 21/11/2025	🔗 🟡	📄	📄	🔗	📄	🟢	🟢	⚠️	🟢	🟢	
☐	Trifluoroacetic acid 28/09/2025 🟢 19/11/2025	🔗 🔵	📄	📄	🔗	⚠️	⚠️	🟢	⚠️	⬇	⚠️	
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 🟢 24/10/2025	🔗 🔵	📄	📄	🔗	📄	⚠️	🟢	⚠️	Non Dangerous	⚠️	

The EPD icon reflects the EPD classification colour-code as shown on the EPD document as per the climate change rating.

EPD Column header Filter

	Material Name ▼		SDS	Mini	Label	EPD ▼	HPD ▼	Risk Band	Hazard ▼	Dangerous G... ▼	Regulatory ... ▼
☐	Chlorine 23/02/2022 26/08/2022										
☐	WD-40 BULK LIQUID 07/09/2021 17/11/2021									No UN	
☐	benzene 24/05/2023 24/12/2023									No UN	
☐	PEROXIDE BLOCK 12/01/2018 16/09/2020										
☐	BOC Argoshield Light and Argoshield U... 10/07/2024 14/07/2024										
☐	Sulfuric Acid 26/03/2024 30/07/2024										
☐	AEROSOL 2.26 SPRAY 24/04/2023 18/08/2023										

☐ A
☐ B
☐ C
☐ D
☐ ?

The EPD column filter enables users to filter by a specific EPD Rating Checkbox ☐.

EPD Class	Icon	Colour-Code	Rating	Carbon Footprint
A		Green	1	<1 kgCO ₂ /kg ingredient
B		Yellow	2	1- 3 kgCO ₂ /kg ingredient
C		Orange	3	3- 5 kgCO ₂ /kg ingredient
D		Red	4	>5 kgCO ₂ /kg ingredient
?		Grey	?	If ingredient does not add up to 100%, the carbon footprint ignored.

EPD Column header Info Icon

The Info icon (active)  tooltip displays the EPD life cycle statement based on product ingredient's third party verified results.

Environmental Product Declarations are based on third-party verified results. It involves a cradle-to-gate (A1-A3) life-cycle assessment of the product's ingredient.

Placarding Bar

Regulatory Reports Print Out

✓ Show subfolders

Alerts

	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...
☐	benzene							?	Non Dangerous	
☐	cocaine 24/10/2025 23/04/2026									
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025									
☐	CRC Bloweld 10/10/2025 21/11/2025									
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025									

Steps to Render EPD for a Material in Home Module

Simple Advanced Query Builder

Full Own

Type in material name, CAS No or CW No

English

folder... Expand Collapse

Materials for administrator

Australia

New South Wales

Queensland

South Australia

Victoria

Cleaners

Fuels + Oils

Laboratory

Analytical Lab

Organic Chems Cupboard

Reagents

Placarding Bar

Documents

Alerts

	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...
☐	Trifluoroacetic acid 28/09/2025 19/11/2025									
☐	WD-40 AEROSOL 13/08/2025 19/12/2025									
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025								Non Dangerous	
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025								Non Dangerous	
☐	MILESTONE INSECT SPRAY 01/11/2024 02/04/2025									
☐	Sodium hydroxide 22/10/2024								Non Dangerous	
☐	Chloroform/IAA 10/07/2024 16/07/2024									
☐	Benzene 01/03/2024								Non Dangerous	
☐	Suncor Energy Naphtha (Sweet) 15/02/2024 15/03/2024									

1. Open **Home** module.
2. Click on **Folder** location.
3. Click on the **EPD document icon** for the material.
4. **EPD document** is displayed in default language.

EPD Ingredients

Powered by Chemwatch

Environmental Product Declaration

FOR 1 kg of: **WD-40 BULK LIQUID**
Manufactured by: **WD-40 Company**

This Environmental Product Declaration is based on third-party verified results. It involves a cradle-to-gate (A1-A3) life-cycle assessment of the product's ingredients. EPD confidence Score = 100%

Ingredients

Material Name	Quantity	Description
64742-47-8	30-50	distillates, petroleum, light, hydrotreated
Not Available	10-30	Petroleum Base Oils
64742-48-9	5-15	naphtha petroleum, heavy, hydrotreated

Life Cycle Inventory Assessment Results

3.9 kg CO₂ eq

● distillates, petroleum, light, hydrotreated (80%)
● naphtha petroleum, heavy, hydrotreated (20%)

Parameter	Units	Total (A1-A3)
Climate Change Fossil Fuels	kg CO ₂ eq	3.9
Climate Change Biogenic	kg CO ₂ eq	0.0056
Climate Change Land Use	kg CO ₂ eq	0.0035
Climate Change Total	kg CO ₂ eq	3.9

Climate Change Rating

A B C D ?

Main Documents

- SDS
- MINI
- LABEL
- RA Report

Alternative Documents

No alternative documents

Compare Documents

- SDS
- MINI
- RA Report

Special Documents

- HPD
- EPD

< Back		
Parameter	Units	Total (A1-A3)
Acidification	mol H ⁺ -eq	0.023
Eutrofication Freshwater	kg-P-eq	0.0011
Eutrofication Marine	kg-N-eq	0.0044
Eutrofication Terrestrial	mole-N-eq	0.042
Photochemical Ozone Creation	kg NMVOC-eq	0.015
Ozone Depletion	kg CFC-11-eq	9.4×10^{-6}
Abiotic Material Resource Depletion	kg Sb-eq	3.9×10^{-6}
Abiotic Energy Resource Depletion	MJ	71
Deprivation-Weighted Water Use	m ³ world-eq	2.4
Parameter	Units	Total (A1-A3)
Primary Energy Resources — Renewable (MJ)	As Energy Carrier	3.2
	As Raw Material	0
	Total	3.2
Primary Energy Resources — Non-Renewable (MJ)	As Energy Carrier	71
	As Raw Material	0
	Total	71
Parameter	Units	Total (A1-A3)
Hazardous Waste Disposed	kg	1.6×10^{-4}
Non-hazardous Waste Disposed	kg	0.37
Radioactive Waste Disposed	kg	5.3×10^{-6}

Main Documents
SDS
MINI
LABEL
RA Report
Alternative Documents
No alternative documents
Compare Documents
SDS
MINI
RA Report
Special Documents
HPD
EPD

EPD Contact Information

< Back		
Primary Energy Resources — Non-Renewable (MJ)	Total	3.2
	As Energy Carrier	71
	As Raw Material	0
	Total	71
Parameter	Units	Total (A1-A3)
Hazardous Waste Disposed	kg	1.6×10^{-4}
Non-hazardous Waste Disposed	kg	0.37
Radioactive Waste Disposed	kg	5.3×10^{-6}
Contact Information WD-40 Company Level 2, Suite 23, 41 Rawson Street Epping 2121 NSW AUS 1800 024 973 enquiries@wd40.com https://www.wd40company.com		
Key Assumptions for EPD INGREDIENTS All upstream sourced. Impacts from global averages. Calculated from peer-reviewed LCA databases PACKAGING Excluded PRINCIPLE Polluter-pays MANUFACTURING Blending only, negligible impact METHODOLOGIES EF v3.1, CED, EDIP 2003 (in Tables 2, 3 and 4 respectively)		

Main Documents
SDS
MINI
LABEL
RA Report
Alternative Documents
No alternative documents
Compare Documents
SDS
MINI
RA Report
Special Documents
HPD
EPD

EPD Report Sections

The EPD report contains 3 Sections.

EPD Section	EPD Report Title
1	Product Summary and Ingredients
2	Life Cycle Inventory Assessment Results
3	Contact Information

4.4.6 Filter by HPD

HPD is a Health Product Declaration is a transparency standard report that provides detailed information about materials, chemicals and health impacts associated with building products. HPDs typically list the health burden of each substance/ingredient in a product and rated using the Green Screen Rating and colour coded regulatory burden. The key features:

- Hazard vs risk and everything else
- Green screening rating and colour coded regulatory burden
- Automated risk Assessment
- Chemical distribution predictions in air/water/soil
- Rapid input from suppliers

The purpose of HPD serves to disclose the content of building products and their associated effects to promote healthier environments allowing architects, builders and consumers to understand the chemical composition of materials used in the construction, ranging from flooring to insulation. HPS help in ensuring that the selected products do not contain harmful chemicals that may pose risks to human health or the environment during use, installation or disposal.

The components of HPD include:

- Product description
- Ingredients
- Hazards
- Thresholds
- Third-Party verification
- Certifications

HPD documents can be translated in 49 different languages. The language filter aligns with the HPD document, displaying the report in the selected language. The HPD column is available in Simple mode grid view. The grid's HPD column provides the HPD icon reflecting the HPD classification for the material in a folder.

Placarding Bar ▾											
Documents						Alerts					
☐	Material Name ▾		SDS	Mini	Label	EPD ▾	HPD ▾	Risk Band	Hazard ▾	Dangerous G...	
☐	Trifluoroacetic acid 28/09/2025 19/11/2025										
☐	WD-40 AEROSOL 13/08/2025 19/12/2025										
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025									Non Dangerous	
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025									Non Dangerous	
☐	MILESTONE INSECT SPRAY 01/11/2024 02/04/2025										

Materials without HPD classification display a grey icon .

HPD Column header Filter

☐	Material Name 		SDS	Mini	Label	EPD 	HPD 	Risk Band 	Hazard 	Dangerous G... 
☐	Trifluoroacetic acid 28/09/2025 19/11/2025									
☐	WD-40 AEROSOL 13/08/2025 19/12/2025									
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025									Non Dangerous
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025									Non Dangerous
☐	MILESTONE INSECT SPRAY 01/11/2024 02/04/2025									

The HPD column can be filtered by a specific HPD Green Screen rating checkbox ☐.

Green Screen Rating	Icon	Colour-Code
NoGS1		Green
LT-UNK		Yellow
LT-P1		Orange
LT-1		Red
?		Grey

HPD Column header Info Icon

The Info icon (active)  tooltip displays the HPD statement based on product ingredient's third-party verified results.

Placarding Bar		Documents							Health Product Declaration		Alerts	
☐	Material Name		SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...		
☐	Trifluoroacetic acid 28/09/2025 19/11/2025											
☐	WD-40 AEROSOL 13/08/2025 19/12/2025											
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025									Non Dangerous		
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025									Non Dangerous		

Steps to Render EPD for a Material in Home Module

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the HPD document icon  for the material.
4. **HPD document** is displayed in default language.

SimpleAdvancedQuery Builder

FullOwn

Type in material name, CAS No or CW No

Australia

English

Search for a folder

ExpandCollapse

All materials for administrator

Australia

New South Wales

Queensland

South Australia

Victoria

Cleaners

Fuels + Oils

Laboratory

Analytical Lab

Organic Chems Cupboard

Reagents

Placarding Bar

	Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard	Dangerous G...
	Trifluoroacetic acid								
	WD-40 AEROSOL					3			
	LOCTITE 567 THREAD SEALANT								Non Dangerous
	LOCTITE 567 THREAD SEALANT kn...								Non Dangerous
	MILESTONE INSECT SPRAY								
	Sodium hydroxide								Non Dangerous
	Chloroform/IAA								
	Benzene								Non Dangerous
	Suncor Energy Naphtha (Sweet)								

HPD Report Sections

The HPD report contains 3 Sections.

HPD Section	HPD Report Title
1	Product Summary
2	Content in Descending Order of Quantity
3	Certifications and Compliance

HPD Section1

Powered by
Chemwatch

Health Product Declaration

FOR 1 kg of: **WD-40 BULK LIQUID**
Manufactured by: **WD-40 Company**
Inventory Reporting Format: **Basic Method**
Classification: **This can be edited in edit mode.**
Product Description: **This can be edited in edit mode.**

Section 1

Summary

Threshold Level	Product Hazard Rating	Product Regulatory Burden	Frequency of Use	Product Greenscreen
All Substances	2	Extremely Regulated		

Automated Risk Assessment Rating for Building Industry **Liquid State**

	Operating Temp	Volatility/Dustiness	Scale of Use	Frequency of Use	Risk Band
Residing of Tenant	25C	Low	Litres	Daily >4 hours	3
Adhesive Sealing	25C		Millilitres	Weekly 1-4 hours	2
Concreting	25C		Tonnes	Weekly 1-4 hours	2
Fireproof/Insulation Foaming	25C	Medium	Litres	Weekly >4 hours	4
Painting	25C		Litres	Weekly >4 hours	3
Spraying	25C	High	Litres	Daily >4 hours	4
Surface Treating	25C		Litres	Weekly >4 hours	3

Long Term Accumulation **Exposed to Air**

Total Mass – excluding water (g/kg product)			
Air	Soil	Water	Fish

Main Documents

SDS

MINI

LABEL

RA Report

Alternative Documents

No alternative documents

Compare Documents

SDS

MINI

RA Report

Special Documents

HPD

EPD

HPD Section2

< Back

Section 2 Content in Descending Order of Quantity

Product Name: **WD-40 BULK LIQUID**
Residuals and Impurities and Notes: **No impurities assumed to be present**

Substance	distillates, petroleum, light, hydrotreated
Substance Role	This can be edited in edit mode.
Substance Hazard Rating	
Substance Regulatory Burden	
Greenscreen	BM-4/BM-3/BM-2/BM-1/BM-U/LT-P1/LT-1/LT-UNK

Negative Lists			Positive Lists		
Hazard Type	Agency/List	Extra Info	Additional Listings	Agency	Notification
CAN	MAK	Carcinogen Group 3B	Positive List	US EPA	Green Circle

Supplier responses

Long Term Accumulation **Exposed to Air**

distillates, petroleum, light, hydrotreated g/kg product			
Air	Soil	Water	Fish

Substance Notes: This can be edited in edit mode.

Substance	naphtha petroleum, heavy, hydrotreated
Substance Role	This can be edited in edit mode.
Substance Hazard Rating	
Substance Regulatory Burden	

Main Documents

- SDS
- MINI
- LABEL
- RA Report

Alternative Documents

No alternative documents

Compare Documents

- SDS
- MINI
- RA Report

Special Documents

- HPD
- EPD

HPD Section3

< Back

Air	Soil	Water	Fish
-----	------	-------	------

Substance Notes: This can be edited in edit mode.

Section 3 Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

This section can be edited in edit mode.

Section 4 Accessories

This section can be edited in edit mode.

Section 5 General Notes

This section can be edited in edit mode.

Section 6 References

This section can be edited in edit mode.

Manufacturer Information

Address	This can be edited in edit mode.
Website	This can be edited in edit mode.
Contact Name	This can be edited in edit mode.
Email	This can be edited in edit mode.

Main Documents

- SDS
- MINI
- LABEL
- RA Report

Alternative Documents

No alternative documents

Compare Documents

- SDS
- MINI
- RA Report

Special Documents

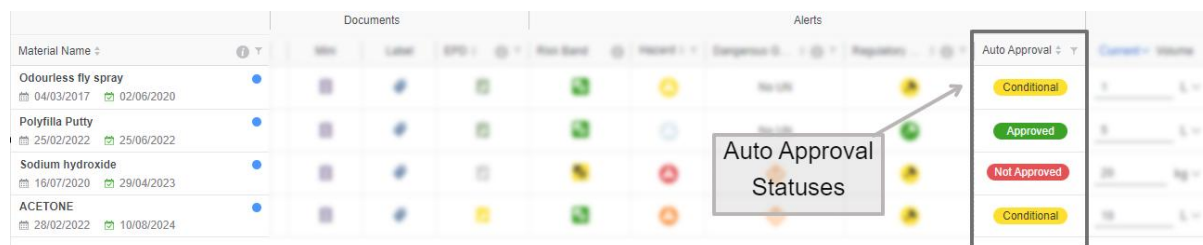
- HPD
- EPD

4.4.7 Filter by Auto Approval

The primary purpose of the “Auto Approval” criteria is to allow the instant evaluation of a chemical immediately when it’s added into a folder location. These automatic approvals process is integrated with the Chemwatch Galleria Chemical Regulatory database to determine if the chemical is on the global Lists of Concern (LOC).

The “Auto Approval” feature enables users to review their products contained in their selected folder inventory that are flagged as chemicals of concern. This feature leverages concerns

collated from the regulatory related lists when SDS is added into a folder. The system instantly evaluates the product and indicates whether it contains at least one ingredient not found in the local inventory or if there's any ingredient listed in the critical lists of concern, e.g., SVHC or Annex XIV, which signals that the chemical is of great concern to human health or the environment.



Materials that fit the Auto Approval criteria are flagged out in the materials grid using the following three statuses:

- Approved
- Conditional
- Not Approved

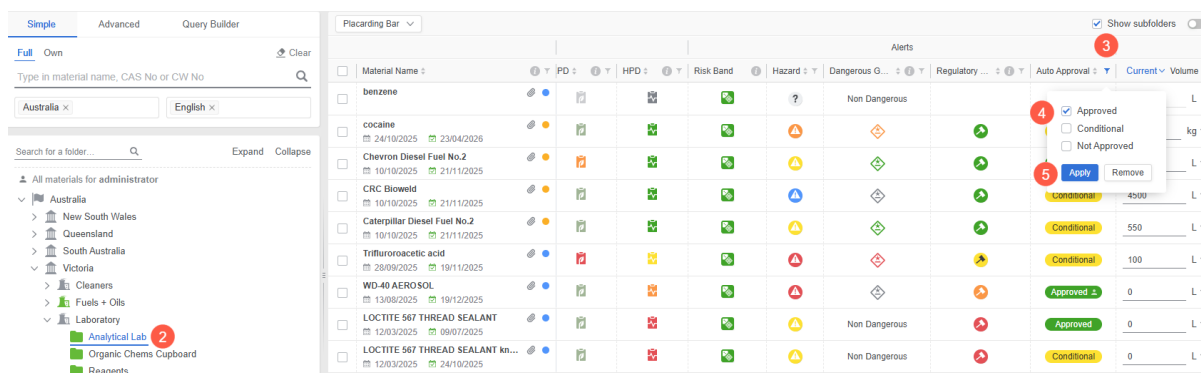
The automatic calculation result is shown in the grid alongside the material/product flagged out in the List of Concern as Approved, Conditional or Not Approved.

Auto Approval Status	Colour Code	Auto Approval Flag	Description
Approved	Green	Approved	All ingredients found in the National Inventory List (Annex I) are based on the country or folder country. The product contains no ingredients found from the LOC (List of Concern, Annex II) in the domain account's country or industry.
Conditional	Yellow	Conditional	The "Conditional" Auto Approval criteria utilise three conditions for Auto Approval. • SVHC List index • LOC List • National Inventory
Not Approved	Red	Not Approved	A tooltip displays the reason why the product is not approved. It flags out the rationale for not meeting the Auto Approval criteria: • Phase Out (Annex 14) shown in the LOC window • Corp Ban List (which is domain specific corporate condition) for substances tagged as "Propriety" in the LOC window

Stakeholders in the health and safety group of any business or organisation can use this information to streamline health and safety business decisions to ensure compliance with requirements and in-house safety is of utmost best practice in chemicals management at the workplace.

Steps to Filter by Auto Approval Status

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Auto Approval Filter** on the column header.
4. Select the Auto Approval Status **checkbox**.
5. Click the **Apply** button .

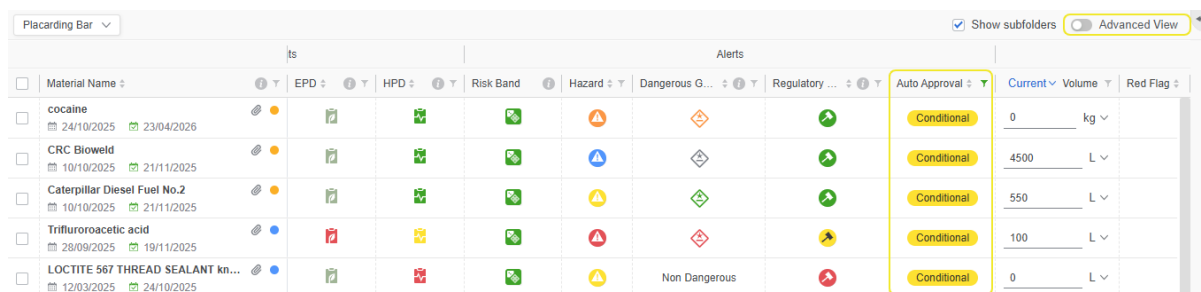


The screenshot shows the Chemwatch GoldFFX interface. On the left, there is a sidebar with a search bar and a list of folders. The 'Analytical Lab' folder is selected. The main area displays a grid of materials. The 'Auto Approval' column is highlighted, and a dropdown menu is open, showing the filter condition 'Conditional'. The grid lists materials such as benzene, cocaine, Chevron Diesel Fuel No.2, CRC Bioweld, Caterpillar Diesel Fuel No.2, Trifluoroacetic acid, WD-40 AEROSOL, and LOCTITE 567 THREAD SEALANT. Each material has a corresponding Auto Approval status (e.g., Conditional, Approved, Non Dangerous).

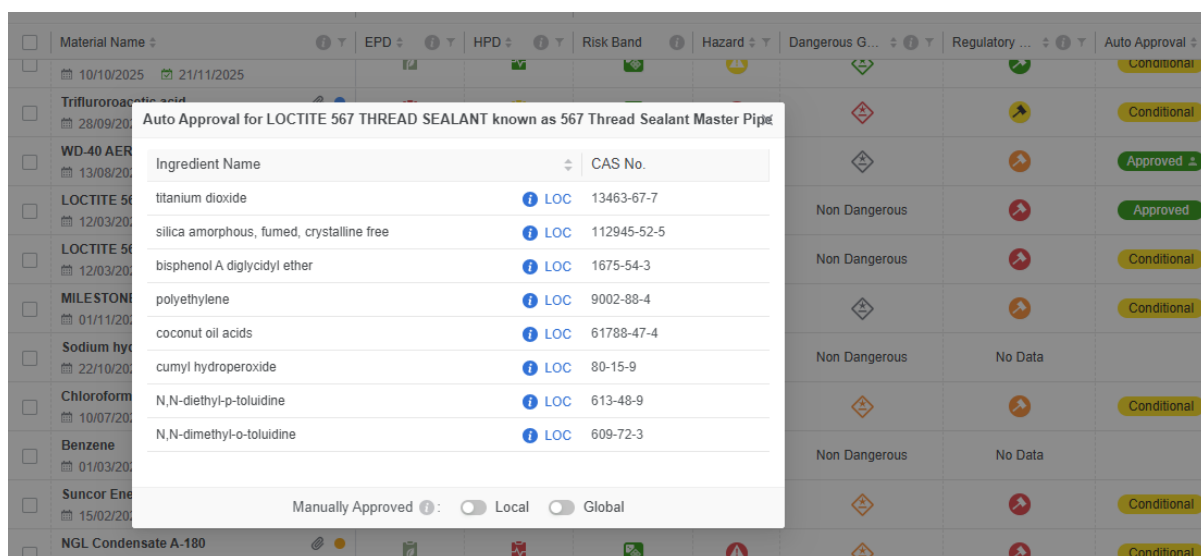
The grid displays only the selected Auto Approval status for the materials in the grid as per the filter condition applied, e.g., Conditional.

Conditional Approval

The products that contain ingredients from significant concern lists are initially marked as conditionally approved.



This screenshot shows the same grid as the previous one, but with the 'Auto Approval' column highlighted. The filter is set to 'Conditional'. The grid lists materials such as cocaine, CRC Bioweld, Caterpillar Diesel Fuel No.2, Trifluoroacetic acid, and LOCTITE 567 THREAD SEALANT. Each material has a corresponding Auto Approval status (e.g., Conditional, Approved, Non Dangerous).



This screenshot shows the same grid as the previous one, but with a detailed view of the 'Auto Approval' filter. A dropdown menu is open, showing the filter condition 'Conditional'. The grid lists materials such as cocaine, CRC Bioweld, Caterpillar Diesel Fuel No.2, Trifluoroacetic acid, and LOCTITE 567 THREAD SEALANT. Each material has a corresponding Auto Approval status (e.g., Conditional, Approved, Non Dangerous).

Users can then submit these products for further review through an appropriate approval workflow. Relevant stakeholders, such as compliance, in-house safety, or environmental teams, provide feedback during this review process. After the review, the product's status is updated to either 'Approved' or 'Not Approved', allowing for the necessary actions to be undertaken.

Approved

Placarding Bar		Alerts										☒ Show subfolders		☒ Advanced View	
	Material Name	EPD	HPD	Risk Band	Hazard	Dangerous G	Regulatory	Auto Approval	Current	Volume	Red Flag				
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025								Approved	0	L				
☐	WD-40 AEROSOL 13/08/2025 19/12/2025								Approved	0	L				
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025					Non Dangerous			Approved	0	L				
☐	Polyfilla Putty 25/02/2022 24/06/2022					Non Dangerous			Approved	0	L				

Placarding Bar		Alerts										☒ Show subfolders		☐ Advanced View	
	Material Name	EPD	HPD	Risk Band	Hazard	Dangerous G	Regulatory	Auto Approval	Current	Volume	Red Flag				
☐	10/10/2025 21/11/2025							Conditional	550	L					
☐	Trifluoroacetic acid 28/09/2025 19/11/2025														
☐	WD-40 AEROSOL 13/08/2025 19/12/2025														
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025					Non Dangerous		Approved	0	L					
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025					Non Dangerous		Conditional	0	L					
☐	MILESTONE INSECT SPRAY 01/11/2024 02/04/2025							Conditional	0	L					

All ingredients contains in the product have been found in the national inventory list for the country this SDS is distributed to, product contains no ingredients found in relevant concerning lists.

User Control

The system has optional provision to users who have been granted the applicable permissions to enable switches in the Auto Approval LOC window to manually approve a product and/or apply the Global List switch.

Material Name

10/10/2025

21/11/2025

Trifluoroacetic acid

28/09/2025

WD-40 AEROSOL

13/08/2025

LOCTITE 567 THREAD SEALANT

12/03/2025

LOCTITE 567 THREAD SEALANT known as 567 Thread Sealant Master Pipe

12/03/2025

MILESTONE INSECT SPRAY

01/11/2024

Sodium hydroxide

22/10/2024

Chloroform

10/07/2024

Benzene

01/03/2024

Suncor Enermax

15/02/2024

NGL Condensate A-180

04/01/2024

03/01/2024

EPD

HPD

Risk Band

Hazard

Dangerous Goods

Regulatory

Auto Approval

Conditional

Conditional

Approved

Approved

Conditional

Conditional

Non Dangerous

Non Dangerous

Non Dangerous

Non Dangerous

Non Dangerous

Non Dangerous

Conditional

Conditional

Conditional

Ingredient Name

CAS No.

titanium dioxide

LOC

13463-67-7

silica amorphous, fumed, crystalline free

LOC

112945-52-5

bisphenol A diglycidyl ether

LOC

1675-54-3

polyethylene

LOC

9002-88-4

coconut oil acids

LOC

61788-47-4

cumyl hydroperoxide

LOC

80-15-9

N,N-diethyl-p-toluidine

LOC

613-48-9

N,N-dimethyl-o-toluidine

LOC

609-72-3

Manually Approved

Local

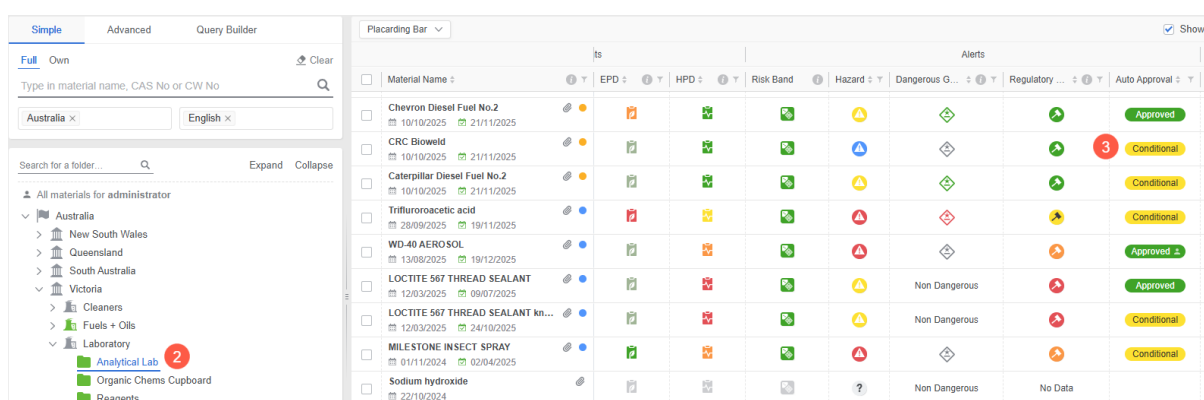
Global

- Manual Approval Flexibility:** Users with sufficient privileges can manually approve products for specific locations or add them to a global **White-List**. Advanced users can also create their own substance White-List to automatically approve such substances in the future.

- **Industry-Specific Logic:** Auto Approval delivers more focused and accurate results by considering the applicable industry or industries relevant to your business.
- **Custom Black and White Lists:** Corporations with their own black and white lists can easily integrate these into the Auto Approval criteria, ensuring bespoke and tailored compliance management.

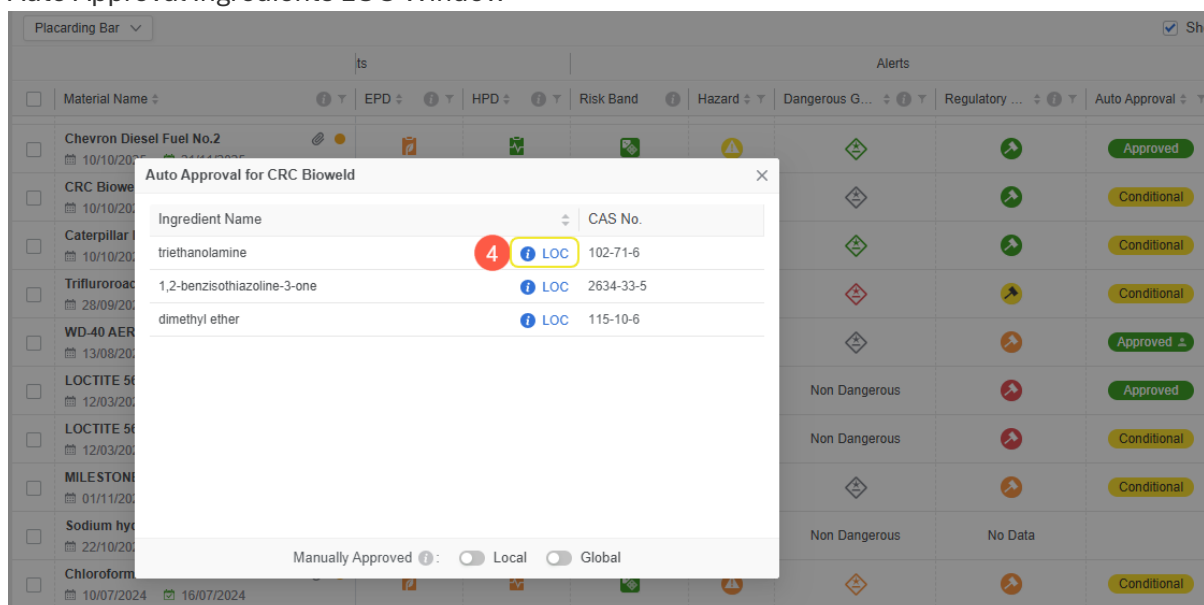
Steps to View LOC for a Material in Conditional Approval

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Conditional status** of the Auto Approval column alongside the material or product.
4. Click the Ingredient Name's info **LOC** link  to view the List of Concern where it appears in the global regulatory list.



Material Name	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval
Chevron Diesel Fuel No.2	10/10/2025	21/11/2025					Approved
CRC Bioweld	10/10/2025	21/11/2025					Conditional
Caterpillar Diesel Fuel No.2	10/10/2025	21/11/2025					Conditional
Trifluoroacetic acid	28/09/2025	19/11/2025					Conditional
WD-40 AEROSOL	13/08/2025	19/12/2025					Approved
LOCTITE 567 THREAD SEALANT	12/03/2025	09/07/2025			Non Dangerous		Approved
LOCTITE 567 THREAD SEALANT kn...	12/03/2025	24/10/2025			Non Dangerous		Conditional
MILESTONE INSECT SPRAY	01/11/2024	02/04/2025					Conditional
Sodium hydroxide	22/10/2024				Non Dangerous	No Data	

Auto Approval Ingredients LOC Window



Ingredient Name	CAS No.	LOC
triethanolamine	102-71-6	LOC
1,2-benzisothiazoline-3-one	2634-33-5	LOC
dimethyl ether	115-10-6	LOC

Manually Approved: ☐ Local ☐ Global

List of Concern – Displays the Global Regulatory List where Ingredient Appears.

List Of Concern

Chemical Name: triethanolamine CAS No: 102-71-6

Appears on the following List Of Concern

- Canada - Northwest Territories Occupational Exposure Limits
- The Australia Group Export Control List: Chemical Weapons Precursors
- IUCLID Carcinogenicity Data
- IUCLID Reproductive Toxicity Data
- Australia Priority Existing Chemicals Program - Candidate List of Chemicals
- US Department of Homeland Security (DHS) - Chemical Facility Anti-Terrorism Standards (CFATS) - Chemicals of Interest
- Canada CEPA Environmental Registry Substance Lists - List of substances on the DSL that are Persistent to the environment (French)
- Canada CEPA Environmental Registry Substance Lists - List of substances on the DSL that are Persistent to the environment
- US Commerce Department - Export Administration Regulations - Part 745 - Chemical Weapons Convention Requirements - Schedule 3: Precursors
- Czech Republic Occupational Exposure Limits (PEL and NPK-P) - Skin (Czech)
- Japan Law on the Prohibition of Chemical Weapons & Regulations on Specific Chemicals - Type 2 Designated Chemicals (Japanese)
- Canada Chemical Weapons Schedule 3
- Canada Chemical Weapons Schedule 3 (French)
- Australia Council of Australian Governments (COAG) Chemicals of Security Concern
- UAE - Dubai List of Prohibited & Restricted Dangerous Goods - Scheduled Chemicals covered by Federal Environmental Agency
- Singapore Chemical Weapons (Prohibition) Act - The Schedule - Part III
- Mongolia Severely Restricted Chemicals
- Europe ECHA Registered Substances - Carcinogenicity - R&D
- Europe ECHA Registered Substances - Carcinogenicity - R&D Effect levels
- Europe ECHA Registered Substances - Toxicity to reproduction- R&D
- Europe ECHA Registered Substances - Toxicity to reproduction - R&D Effect levels
- US FDA Indirect Food Additives - Substances for Use Only as Components of Paper and Paperboard - Components of paper and paperboard in contact with aqueous and fatty foods 21CFR 176.170

Steps to Apply User Control in the LOC Window

1. Open **Home** module .
2. Click on **Folder** location.
3. Click on the **Conditional status** of the Auto Approval column alongside the material or product.
4. Click the Ingredient Name's info **LOC** link  **LOC** to view the List of Concern where it appears in the global regulatory list.
5. Select the switch **"Manually Approved"** to approve the product manually.

Material Name	EPD	HPD	Risk Band	Hazard	Dangerous Goods	Regulatory	Auto Approval
Chevron Diesel Fuel No.2	10/10/2025	21/11/2025	Green	Yellow	Green	Green	Approved
CRC Bioweld	10/10/2025	21/11/2025	Green	Yellow	Green	Green	Conditional
Caterpillar Diesel Fuel No.2	10/10/2025	21/11/2025	Green	Yellow	Green	Green	Conditional
Trifluoroacetic acid	28/09/2025	19/11/2025	Green	Red	Red	Yellow	Conditional
WD-40 AEROSOL	13/08/2025	19/12/2025	Green	Red	Red	Yellow	Approved
LOCTITE 567 THREAD SEALANT	12/03/2025	09/07/2025	Green	Yellow	Yellow	Yellow	Approved
LOCTITE 567 THREAD SEALANT kn...	12/03/2025	24/10/2025	Green	Yellow	Yellow	Yellow	Conditional
MILESTONE INSECT SPRAY	01/11/2024	02/04/2025	Green	Red	Red	Yellow	Conditional
Sodium hydroxide	22/10/2024		Green	Yellow	Yellow	No Data	

List of Concern – Displays the Global Regulatory List where Ingredient Appears.

List Of Concern

Chemical Name: triethanolamine CAS No: 102-71-6

Appears on the following List Of Concern

- Canada - Northwest Territories Occupational Exposure Limits
- The Australia Group Export Control List: Chemical Weapons Precursors
- IUCLID Carcinogenicity Data
- IUCLID Reproductive Toxicity Data
- Australia Priority Existing Chemicals Program - Candidate List of Chemicals
- US Department of Homeland Security (DHS) - Chemical Facility Anti-Terrorism Standards (CFATS) - Chemicals of Interest
- Canada CEPA Environmental Registry Substance Lists - List of substances on the DSL that are Persistent to the environment (French)
- Canada CEPA Environmental Registry Substance Lists - List of substances on the DSL that are Persistent to the environment
- US Commerce Department - Export Administration Regulations - Part 745 - Chemical Weapons Convention Requirements - Schedule 3: Precursors
- Czech Republic Occupational Exposure Limits (PEL and NPK-P) - Skin (Czech)
- Japan Law on the Prohibition of Chemical Weapons & Regulations on Specific Chemicals - Type 2 Designated Chemicals (Japanese)
- Canada Chemical Weapons Schedule 3
- Canada Chemical Weapons Schedule 3 (French)
- Australia Council of Australian Governments (COAG) Chemicals of Security Concern
- UAE - Dubai List of Prohibited & Restricted Dangerous Goods - Scheduled Chemicals covered by Federal Environmental Agency
- Singapore Chemical Weapons (Prohibition) Act - The Schedule - Part III
- Mongolia Severely Restricted Chemicals
- Europe ECHA Registered Substances - Carcinogenicity - R&D
- Europe ECHA Registered Substances - Carcinogenicity - R&D Effect levels
- Europe ECHA Registered Substances - Toxicity to reproduction- R&D
- Europe ECHA Registered Substances - Toxicity to reproduction - R&D Effect levels
- US FDA Indirect Food Additives - Substances for Use Only as Components of Paper and Paperboard - Components of paper and paperboard in contact with aqueous and fatty foods 21CFR 176.170

Manual Approval Ingredients LOC Window

Auto Approval for CRC Bioweld

Ingredient Name	CAS No.
triethanolamine	102-71-6
1,2-benzisothiazoline-3-one	2634-33-5
dimethyl ether	115-10-6

Manually Approved: ☐ Local ☒ Global

Manually Approved Material

Material Name	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval
Chevron Diesel Fuel No.2							Approved
CRC Bioweld							Approved
Caterpillar Diesel Fuel No.2							Conditional
Trifluoroacetic acid							Conditional
WD-40 AEROSOL							Approved
LOCTITE 567 THREAD SEALANT					Non Dangerous		Approved

4.4.8 Sort List by Material Name Column Header

The materials grid can be sorted by ascending or descending order for the following column headers to methodically organise the materials list systematically to make it simpler to identify and reference specific materials of interest:

- Material Name
- Hazard
- Dangerous Goods
- Regulatory

Placarding Bar		☒ Show subfolders ☐ Advanced View											
		ts				Alerts							
☐	Material Name	EPD	HPD	Risk Band	Hazard	Dangerous G...	Regulatory ...	Auto Approval	Current	Volume	Red Flag		
☐	Chevron Diesel Fuel No.2 10/10/2025 21/11/2025							Approved	0	L			
☐	CRC Bioweld 10/10/2025 21/11/2025							Approved	4500	L			
☐	Caterpillar Diesel Fuel No.2 10/10/2025 21/11/2025							Conditional	550	L			
☐	Trifluoroacetic acid 28/09/2025 19/11/2025							Conditional	100	L			
☐	WD-40 AEROSOL 13/08/2025 19/12/2025							Approved	0	L			
☐	LOCTITE 567 THREAD SEALANT 12/03/2025 09/07/2025					Non Dangerous		Approved	0	L			
☐	LOCTITE 567 THREAD SEALANT kn... 12/03/2025 24/10/2025					Non Dangerous		Conditional	0	L			

Sort List	Sort List by Ascending or Descending Order
Sort upwards	Sort the list of materials by ascending order using the column header name to arrange the list items by alpha-numeric ordering.
Sort downwards	Sort the list of materials by descending order using the column header name to arrange the list items by alpha-numeric ordering.

The steps below show how to sort a list of materials in a folder by ascending or descending ordering.

Steps: Sort the Materials List by Material Name

Home

Risk Assessments

Label Designer

AuthorTe

Analytics

Simple

Advanced

Que ...

Full

Own

Clear

Type in material name, CAS No or CW ...

Select Countries

Select Languages

Search for a folder

Expand

Collapse

All materials for beehivecedric

> Area

Global Sites

> Area

Building

Hazard Chemicals

Risk Assessments

Storage Folder

	Material Name		Documents			Alerts			
			SDS	Mini	Label	Risk Band	Hazard	Dangerous Goods	Regulatory
☐	Material Name								
☐	12.5% Bleach								
	01/02/2019	09/05/2020							
☐	BLEACH							No UN	
	01/08/2020	10/11/2020							
☐	Cargill Sodium Chloride Food-Industrial ...							No UN	
	29/12/2023	29/12/2023							
☐	FORMALDEHYDE 41%								
	23/12/2022	30/12/2022							
☐	Glitter Paint							No UN	
	15/03/2021	20/05/2022							
☐	Henkel Loctite 5031/40LB							No UN	
	10/12/2021	18/12/2021							
☐	Poster Paint							No UN	
	23/12/2022	31/12/2022							

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the **Material Name/Upward or Downward arrow** icon to sort by ascending or descending order.

Material Name 

The results display all materials found and alpha-numerically sorted within the grid.

4. Click the **Downwards**  or Upward arrow  next to the Material Name header to sort again by ascending or descending order.

Material Name 

Descending Ordering

			Documents					Alerts		
☐	Material Name 		SDS	Mini	Label	EPD 	HPD 	Risk Band 	Hazard 	Dangerous G... 
☐	70% ethanol  10/03/2023  17/03/2023									
☐	acetone  23/12/2022  06/02/2023									
☐	acetone  23/12/2022  03/01/2023									
☐	acetone  08/06/2018  29/02/2020									
☐	Acetone  25/07/2023  25/09/2023									
☐	Apparent Rocky 745 Herbicide  24/11/2021  13/03/2025									Non Dangerous
☐	Automotive Diesel Fuel  23/01/2020  17/11/2020									
☐	benzene									Non Dangerous

Ascending Ordering

			Documents						Alerts		
☐	Material Name 		SDS	Mini	Label	EPD 	HPD 	Risk Band 	Hazard 	Dangerous G...	Regulatory ...
☐	Wellington Laboratories 2,2',3,4,4',5,... 29/12/2023 02/01/2024										
☐	WD 40 - Aerosol 01/06/2015 01/11/2018										
☐	WD 40 AEROSOL 13/08/2025 19/12/2025										
☐	Trifluoroacetic acid 28/09/2025 19/11/2025										
☐	trifluoroacetic acid 20/06/2022 23/06/2022										
☐	Tequila Sunrise (303-281) 18/06/2010 02/02/2016										
☐	tequila 01/11/2019 09/11/2019										

4.4.9 Tracking Materials and Products

The objective of this section covers the materials grid and the tracking function to locate where a material is stored in the folder tree structure:

- Identify the folder residency of a material
- Identify a product's location folder

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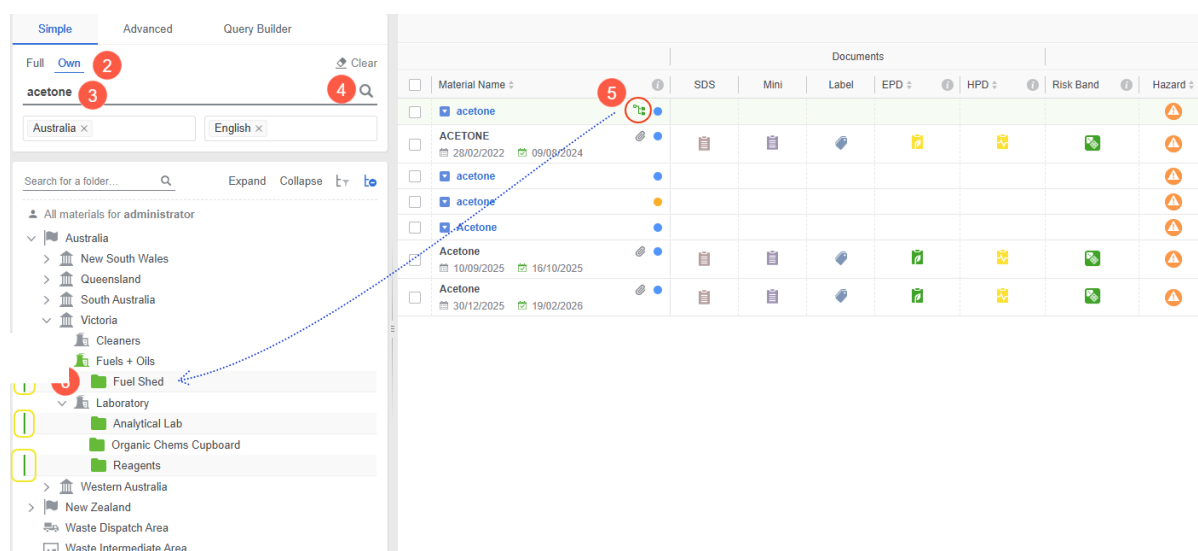
Material or chemical tracking in the system's folder location(s) helps to maintain an accurate record of the item to the current location(s). The tracking feature generally assists users or those that are tasked with the role of digitally managing accurate records of materials stored in specific

locations in an efficient way. The main objectives of this section cover how to track materials and products. Tracking materials requires that a folder must have an inventory of items to be able to locate any chemical or product. The following steps illustrate how to track  a material or product to identify where it is in the folder tree structure.

Steps: Search in Own and Track Material SDS

1. Open **Home** module .
2. Select **Own** link to designate the search path.
3. Type the **Material Name** in the search text field.
4. Click the **Magnifying Glass**  to conduct the search
5. Click the **Track** icon alongside the material name in the search results list.
6. Click the **Identified Folder Location** within the tree to view the list of materials in that folder to confirm the residency of the tracked material in that folder.

If there is more than one product for the same material name, use the expand arrow to expand the cat names and track the item of interest.



Material Name	SDS	Mini	Label	EPD	HPD	Risk Band	Hazard
acetone							
ACETONE							
acetone							
acetone							
Acetone							
Acetone							
Acetone							

 If the material or product is available in your inventory, a folder will be identified (highlighted) within the tree structure. Use the untrack icon  within the tree header to remove the tracking function.



Notes can be added to a material as **General Notes** or **Chemwatch SDS Notes**. General notes will display a note icon alongside the material name within the material grid as shown below.

Notes Type

Description

General Notes

This option can be used to add a general information note to inform users about the material.

Chemwatch SDS Notes

The SDS Note can be used to add information into the Gold SDS.

Placarding Bar ✓									
☐	Material Name ↓		Hazard ↓	Vendor ↓	Hazard Codes	CAS No ↓	Country ↓	Language ↓	Current Volume ↓
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025			Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0 L
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023			DuluxGroup	H317	Not Applicable	AUS	EN	0 L
☐	70% ethanol 10/03/2023 17/03/2023			Chemwatch	H225, H319	Not Applicable	AUS	EN	0 L
☐	acetone 23/12/2022 06/02/2023			Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0 L
☐	acetone 23/12/2022 03/01/2023			Chemwatch	H225, H319, H336, AUH066	67-64-1	AUS	EN	0 L

The steps below show how to add general notes for material.

Steps: Add General Notes for Material

The screenshot shows the Chemwatch GoldFFX interface. On the left, there is a sidebar with a folder tree under 'All materials for administrator'. The main area displays a table of materials. A context menu is open for the '70% ethanol' material, showing options like Copy, Move, Hide, Delete, Send for Approval, Send to Waste Module, Attachments, Notes, Red flag, Forms, and SDS Version. Red circles and numbers 1 through 5 indicate the steps to add general notes.

1. Open **Home** module .
2. Select **Folder** location to list materials.
3. Select the **Checkbox** alongside the product name with a blue circle icon .
4. **Right click** on material name.
5. Select **Notes** option from the context menu to open the notes window.
6. Select the **General Notes** tab.
7. Type the information to **add your notes**. Use the editor to polish up content.
8. Click the **Submit** button to save added notes.

The Notes icon will display alongside the material name on the grid.

Notes for 70% ethanol

General Notes

Submit

Notes Icon  displays next to the material name.

Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Language	Current	Volume
0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0	L
56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0	L
70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0	L
acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0	L
acetone 23/12/2022 03/01/2023		Chemwatch	H225, H319, H336, AUH066	67-64-1	AUS	EN	0	L

Steps: Add Notes to a Chemwatch SDS

Simple Advanced Query Builder

Full Own

Type in material name, CAS No or CW No

Australia x English x

Search for a folder...

Expand Collapse

All materials for administrator

- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Fuel Shed
 - Laboratory
 - Analytical Lab (2)
 - Organic Chems Cupboard
 - Reagents
 - Western Australia

70% ethanol (4)

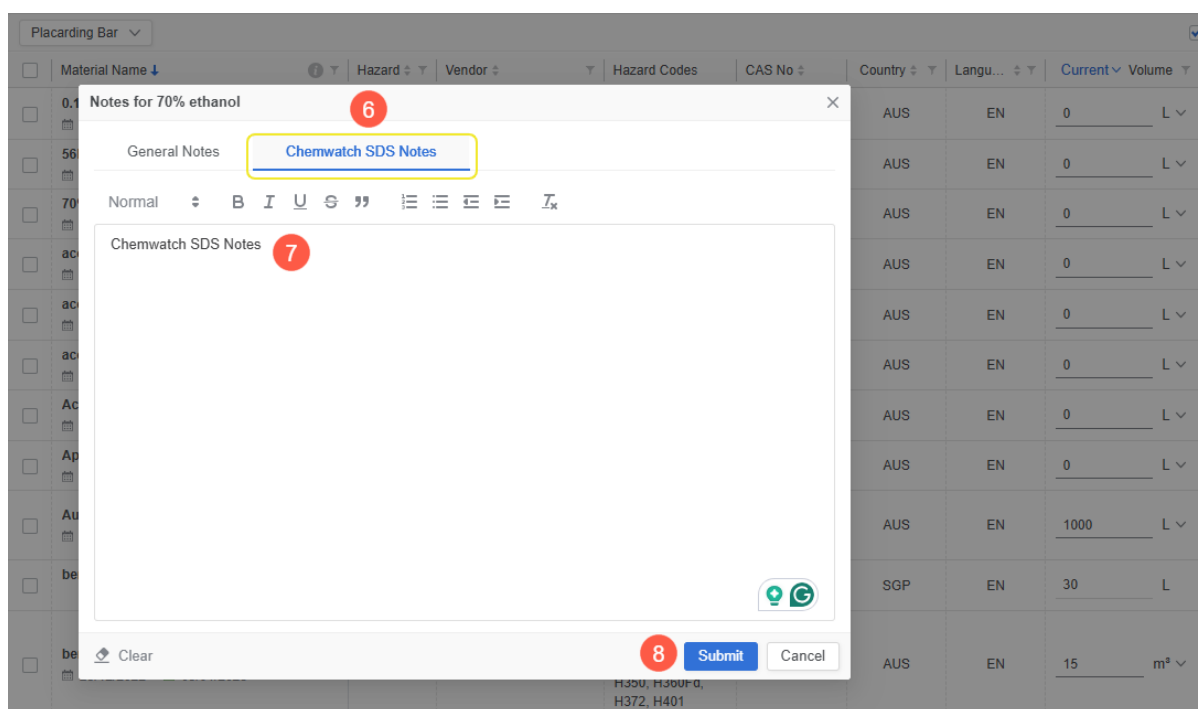
acetone (3)

Context menu options (5): Copy, Move, Hide, Delete, Send for Approval, Send to Waste Module, Attachments, Notes, Red flag, Forms, SDS Version

1. Open **Home** module .
2. Select **Folder** location to list materials.
3. Select the **Checkbox** alongside a material name with the orange circle icon .
4. **Right click** on material name.
5. Select **Notes**  option from the context menu to open the notes window.

6. Select the **Chemwatch SDS Notes** tab.
7. Type the information and **add your notes**. Use the editor to polish up content.
8. Click the **Submit** button  to save added notes.

The Notes icon  will display alongside the material name on the grid.



Notes Icon  display next to the material name.

Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Langu...	Current	Volume
0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0	L
56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0	L
70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0	L
acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0	L
acetone 23/12/2022 03/01/2023		Chemwatch	H225, H319, H336, AUH066	67-64-1	AUS	EN	0	L

5.0 Create Templates and Export Reports

This chapter will cover the following objectives:

- Basic templates to generate reports
- User defined templates
- Export data by using user defined templates
- Formatted style reports
- Quick search in method builder to find datapoints

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The **Report Generator** feature provides basic and advanced modes to use default or custom templates to export data into chosen report format. The exported data can be used for suitable analysis which might involve filtering, sorting, or aggregating the data. Report generation in the system exports the data in various formats.

Basic Mode

The basic mode contains predefined templates to choose from.

- Own DG report
- Hazard rating
- Materials
- Own volumes and locations

Advanced Mode

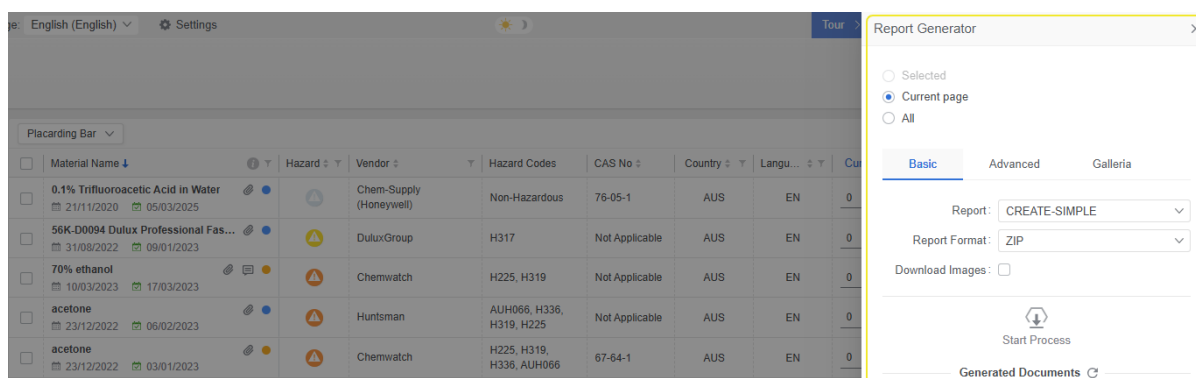
The advanced mode enables users to create their own templates using specific datapoints to generate reports.

Manifest related datapoints, e.g., Product name, Vendor Name, SDS Issue Date, GHS Hazard classification, Volume/Weight, Folder Location, DG Classification and many more...

Basic Mode	Advanced Mode
Report: Own DG report ▼ Report Format: XLSX ▼ Download Images: ☐	Report: ▼ + ✎ 🗑 Report Format: XLSX ▼ Enable Multiple: ☒ Download Images: ☐
Report Format: • XLSX • XLS • CSV • XML • HTML • Formatted Template (XLSX)	Report Format: • XLSX • XLS • CSV • XML • HTML

i Note that the users must be assigned the respective privileges to use the full scope of the Report Generator feature. Contact your domain administrator for more information.

Advanced Report Tab Components



All created custom report templates are saved in the drop-down list in the advanced mode and enable users to choose the report template name to export the respective report based on the assigned data points. The **“Enable Multiple”** checkbox when selected will include extra lines for items that have multiple records for the same material name (assigned to the same Chemwatch Number (CW No.)). The **“Download Images”** checkbox is a feature that draws images or graphics based on the classification of the material such as, PPE graphics, GHS graphics into the exported report.

Component	Attribute	Use
Add Report 	Create a new report template using the method builder datapoints in folder directories.	Enables users to create new report templates by assigning data points to export information through a chosen report format.
Edit 	Edit an existing report template.	Enables users to edit report template data points that were originally assigned or add or remove some to meet your requirements.
Recycle Bin 	Remove an existing report template.	Enables users to delete an existing report template that is no longer required.
Start Process 	Generate the download file	The downloaded file is rendered in the system for further printing, sharing or downloading to external drive or repository.

5.1 Generate Basic Template Report

The Basic tab contains default report templates created by Chemwatch. The basic templates contain datapoints and it is 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
Own DG Report	The Own DG Report is generated based on OWN material inventory from the selected folder.	UN, Material Name, GHS H Codes, Shipping Name, DG Primary Class, Hazchem, Packing Group, Location.
Hazard Rating	The Hazard Rating Report 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, Hazard Rating, Gold SDS Issue Date (Latest), Current Volume, Current Unit, Maximum Volume, Maximum Unit, DG Primary Class, SUSMP Poison Schedule, CAS Number, Location
Materials	The Report Materials lists the materials in a folder inventory.	Chemwatch Number, Material Name, Part No., Preferred Name, Gold SDS Issue Date (Latest).
Own Volumes and Locations	The Own Volumes and Locations Report is generated based on OWN material inventory.	Chemwatch Number, Material Name, Catalogue Name, Current Volume, Current Unit, Maximum Volume, Maximum Unit, DG Primary Class, Hazchem, Packing Group, Location.

The following steps demonstrate how to use a basic template to export data to a spreadsheet. In this worked example, the data will be exported from a folder with existing inventory.

Steps: How to generate a Report using a Basic Template

1. Open **Home** module .
2. Click on **Folder** location to list materials and select checkboxes against the materials of interest.
3. Click the **Report Generator** button  on the top right corner of the user interface.
4. Note that the **Selected** radio button is the default option to generate the report based on selected materials on the list grid.
5. Choose the **Basic** tab.
6. Select the **Report name** from the drop-down list of templates. Select the report format; **xlsx**, xls, csv, xml, html, formatted template **xlsx**.
7. Optional: Select the **Download images** checkbox where applicable to generate graphics where they exist. Applicable if the report template contains images datapoints selected.
8. Click the **Start Process**  button.
9. Wait until the download process is completed at 100% progress bar.
10. Click the **Download** button.
11. **Save** downloaded file.

Search for a folder...  Expand Collapse

All materials for administrator

- ▼ Australia
 - > New South Wales
 - > Queensland
 - > South Australia
 - ▼ Victoria
 - > Cleaners
 - ▼ Fuels + Oils
 - Fuel Shed
 - ▼ Laboratory
 - Analytical Lab** 2
 - Organic Chems Cupboard
 - Reagents

Regulatory Reports  3  Report

Placarding Bar  Show subfolders Advanced View

☐	Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Language	Current Volume	Red ...	UN No	DG	S1
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0 L				Not Ap
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0 L				Not Ap
☐	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0 L		1170		3
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0 L		1090		3

Region: US West (N. California) Language: English

beehive  Simple / Advanced

Simple Advanced Query Builder

Full Own Clear

Type in material name, CAS No or CW No

Select Countries Select Languages

Search for a folder Expand Collapse

All materials for beehivecedic

- Global Sites
- Area
- Building
- Storage Folder
- Australia

Documents

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory
☒ 12.5% Bleach 01/02/2019 09/05/2020							
☒ Acetone 29/03/2020 07/11/2020							
☐ Agar Solspray 01/09/2021 22/11/2021						No UN	
☐ Amino acid Standard 13/05/2022 24/01/2023							
☐ Ammodet 01/07/2016 29/08/2020						No UN	
☐ BC9 - CLEANER DISINFECTANT 05/06/2021 21/09/2021						No UN	
☐ Benzene - puriss. p.a., Reag. Ph. Eur., 79... 23/08/2022 01/09/2023							
☒ BIOPOL K 14							

Report Generator

☒ Selected 4
☐ Current page
☐ All

Basic Advanced

Report: Own DG report 6

Report Format: XLSX 7

Download Images:  8

 Start Process 9

Generated Documents 

Report Generator

☒ Selected
☐ Current page
☐ All

Basic Advanced

Report: Own DG report

Report Format: XLSX

Download Images: ☐

 Start Process

Generated Documents 

Report_OwnDG_(02/04/2024_04-28-57-729) X

100%

 10

02/04/2024 Expires: 71h

Save Report in Your Repository

< > v ↑ > Downloads Search Downloads

File name: Report_OwnDG_(02_04_2024_04-28-57-729)

Save as type: Microsoft Excel Worksheet

Browse Folders Save Cancel

Downloaded Report View

	A	B	C	D	E	F	G	H
1	UN	Material Name	GHS H Codes	Shipping Name	DG Primary Class	Hazchem	Packing Group	Location
2	2209	FORMALDEHYDE 41%	H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	FORMALDEHYDE SOLUTION	6	*2X	III	Global Sites/Area/Building/Hazard Chemicals
3	1791	12.5% Bleach	AU H031 H400 H314	HYPOCHLORITE SOLUTION	8	2X	III	Global Sites/Area/Building/Hazard Chemicals
4	1090	Acetone	H225 H336 H319	ACETONE	3	*2YE	II	Global Sites/Area/Building/Hazard Chemicals
5								

5.2 Create Templates using Method Builder to Generate Reports

The **Advanced** tab provides users who have the appropriate Report Generator-related permissions with the ability to create new user defined templates or edit existing templates to generate reports. The templates must be created using specific datapoints available in the Method Builder directory of datapoints folders. The Method Builder contains a filter function to search for specific datapoint from the directory. Once a datapoint is identified, it can be selected to add it to your template.

Method Builder

Search...

☐ Regulatory
☐ Ingredients
☐ Identification
☐ SYSTEM
☐ Safety
☐ Own folders
☐ Dangerous Goods (DG) Data
☐ New RG Group
☐ Physical Properties
☐ PPE

Data Point Split by Rows

Method builder directory folders and categories of datapoints

No Data

Individual Data Points 0
(For Mixtures) per Ingredient 0

Report Name Save Report Cancel

Searching for datapoint(s) has become easier in the method builder with the introduction of a two-character datapoint search function. Users can now search for datapoints such as "UN" (acronym), etc.

Method Builder

UN

> ☐ Regulatory
☐ Annex XIV Sunset Date

> ☐ Identification
☐ Unique Formula Identifier Number
☐ SDS Country
☐ Vendor Country

> ☐ SYSTEM
☐ ADG UN
☐ UN Shipping Name

> ☐ Own folders
☐ Maximum Volume Unit

> ☐ Dangerous Goods (DG) Data
☐ UN

> ☐ New RG Group
☐ Current unit
☐ Licensed unit

Data Point

Split by Rows

No Data

Search for a datapoint display results in folder expanded mode

Individual Data Points 0
 (For Mixtures) per Ingredient 0

Report Name Save Report Cancel

Manifest related datapoints may include:

- Material Name
- Product Name
- Vendor
- Supplier
- Volume/Weight (Quantity)
- SDS Issue Date
- Location
- GHS Classification
- DG Class
- Packing Group
- Hazchem
- UN Number

Other data points that can be useful:

- Ingredients
- GHS Signal Word
- GHS H Codes
- GHS Pictograms images
- GHS Classification
- Annex XIV Sunset Date
- GHS Classification New Zealand
- GHS HNOC
- DG Class
- GHS H Cods and Phrases
- GHS PPE Graphics
- User Part Number
- Vendor Part Number

Manifest related Datapoints Descriptions

Manifest Datapoint	Description
Material Name	This is the name of the material registered in the Chemwatch database. All material names are allocated a Chemwatch Number (CW N0.)

Manifest Datapoint	Description
Vendor	This is the manufacturer of the Safety Data Sheet for a product produced.
Location	This is the folder name with path, which identifies where the folder is nested in the folder tree structure.
Initial SDS Date	This is the initial date of the Safety Data Sheet for the product.
Gold SDS Issue Date (Latest)	This is the Chemwatch Gold Safety Data Sheet's latest issue date for the material.
Current Volume	This is the current capacity of the liquid in a container or in bulk.
Current Unit	This is a specified unit measure (metric, imperial, U.S imperial).
Licensed Volume	Quantity authorized to store chemicals on site.
Maximum Volume	Maximum volume of the material. Maximum volume cannot be less than current volume.
Maximum Unit	This is a specified unit measure (metric, imperial, U.S imperial).
DG Primary Class	This is the class of dangerous goods that take precedence over any other class. It is the main class in dangerous goods classification for transport.
Packing Group	This is the UN Dangerous Group degree of danger they present; categorised as I, II, or III.

5.2.1 Create Template and Generate a Report

The following steps show how to create a template to export manifest related data from own inventory folder into a spreadsheet. In this worked example, the following datapoints are used for data export.

- Material Name
- Vendor
- GHS Classification
- Current Volume/Weight
- SDS Issue Date
- Location
- DG Class
- Packing Group
- Hazchem
- UN Number

Steps: How to Create a Template and Generate a Report in Advanced Mode

1. Open **Home** module .
2. Click on **Folder** location to list materials and select checkboxes against the materials of interest.
3. Click the **Report Generator** button  on the top right corner of the user interface.
4. Note that the 'Selected' radio button is the default option to generate the report based on selected materials on the list. Choose an option; **Current Page** or All or simply maintain the default if only specific materials are selected from the list.
5. Click the **Advanced** tab.
6. Click the **Add**  icon to select the respective datapoints in method builder window.
7. In the **Method Builder** folder directories, select the **downward arrows**  to drill down the datapoints.
8. Select the **datapoints checkboxes**, e.g. in the Identification folder, select the Material Name, Vendor checkboxes and add more datapoints of interest from other folder directories.
9. Enter the name of the report in the **Report Name** text field.
10. Click the **Save Report**  button. The message display on the top right corner confirms successful operation.

 Success ×
User Method Saved

11. Select the **Report Format** from the dropdown arrow, e.g., xlsx
12. Click the **Start Process**  button.
13. Wait until the download process is completed at 100% progress bar.
14. Click the **Download** button.
15. **Save** downloaded file.
16. **Open** the downloaded **File** to view the data.

Search for a folder...  Expand Collapse

All materials for administrator

- ▼ Australia
 - > New South Wales
 - > Queensland
 - > South Australia
 - ▼ Victoria
 - > Cleaners
 - ▼ Fuels + Oils
 - Fuel Shed
 - ▼ Laboratory
 -  Analytical Lab 2
 - Organic Chems Cupboard
 - Reagents

Placarding Bar												Regulatory Reports		Print Out	Report
Placarding Bar												Select...		3	
Placarding Bar												Show subfolders		Advanced View	
☐	Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Language	Current	Volume	Red	UN No	DG	S1		
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0	L				Not Ac		
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		Dulux Group	H317	Not Applicable	AUS	EN	0	L				Not Ac		
☐	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0	L		1170		3		
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0	L		1090		3		

Report Generator

☐ Selected
☒ Current page
☐ All

Basic **Advanced**

Report: Manifest Report
Report Format: XLSX
Enable Multiple: ☒

Method Builder

Search...

☐ Regulatory
☐ Ingredients
☒ Identification
SYSTEM

- ☐ Hazards Action Guide - Effect Water
- ☐ Hazards Action Guide - Hazards
- ☐ Hazards Action Guide - Form
- ☐ ADG UN
- ☐ Hazards Action Guide - PPE
- ☐ Hazards Action Guide - Fire Fighting
- ☒ Initial SDS Date
- ☐ ADG Subrisk
- ☐ CW ER Alternative Emergency Telephone Number
- ☐ Irritation Test Data
- ☐ SDS Type
- ☐ ADG Class
- ☐ ERG Number
- ☐ ...

Data Point

- Material Name
- Vendor
- Location
- Initial SDS Date
- Gold SDS Issue Date (Latest)
- Current volume
- Current unit
- Licensed volume
- Licensed unit
- Maximum Volume Unit
- Maximum Volume
- Physical State
- UN

Split by Rows

Individual Data Points: 16
(For Mixtures) per Ingredient: 0

Report Name: Manifest Report **Save Report**

Basic **Advanced**

Report: Manifest Report
Report Format: XLSX
Enable Multiple: ☒
Download Images: ☐

Start Process

Generated Documents

Report_Manifest_Report_(05/06/2024_03-23-...)

100%

05/06/2024 Expires: 71h

Save Report on Your Repository

Generated Documents

Report_Manifest_Report_(05/06/2024_03-23-...)

100%

05/06/2024 Expires: 71h

Save As

File name: Report_Manifest_Report
Save as type: Microsoft Excel Worksheet

Save

Downloaded Report View

A	B	C	D	E	F	G	H	I	J	K	L	M
Material Name	Vendor	Location	Initial SDS Date	Gold SDS Issue Date (Latest)	Current v	Current unit	Licensed v	Maximum	Maximum	Physical State	UN	OG Primary Class
SULPHURIC ACID 70%	George Weston Foods (Jasol Australia)	Global Sites/	24/03/2011		25	L	0	L	0			
Poster Paint	Chemwatch	Global Sites/14/04/2014	23/12/2022		5	L	0	L	0	Liquid	Not Applicable	Not Applicable
12.5% Bleach	aiMix Chemicals	Global Sites/09/05/2020	01/02/2019		20	L	0	L	0	Liquid	1791	8
FORMALDEHYDE 41%	Chemwatch	Global Sites/28/03/2004	23/12/2022		8	L	0	L	0	Liquid	2209	8
Acetone	Sigma-Aldrich (Merck)	Global Sites/07/11/2020	29/03/2020		20	L	0	L	20	Liquid	1090	3
BLEACH	Agar Cleaning Systems	Global Sites/10/11/2020	01/08/2020		10	L	0	L	0	Liquid	Not Applicable	Not Applicable
Cargill Sodium Chloride Food-	Chemwatch	Global Sites/19/12/2023	29/12/2023		15	kg	0	kg	0	Solid	Not Applicable	Not Applicable
Henkel Loctite 5031/40LB	Chemwatch	Global Sites/01/11/2009	10/12/2021		15	L	0	L	0	Liquid	Not Applicable	Not Applicable
Sodium Chloride Tablets	Merck (Sigma-Aldrich)	Global Sites/12/04/2024	15/12/2022		5	kg	0	kg	0	Solid	Not Applicable	Not Applicable
Glitter Paint	Educational Colours (Reeves)	Global Sites/20/05/2022	15/03/2021		6	L	0	L	20	Liquid	Not Applicable	Not Applicable

Other Best Practice Data Points

New data points have been added to the Report Generator Method Builder mode to include the following types.

- User Part Number Data Point
- User Part Number (Global) Data Point
- Vendor Part Number Data Point

The user part number data point is a user dependent type of part number that is independent of the official product part number or stock number, or product identifier number and used for internal purposes. User Part Numbers are nominally used as a unique identifier assigned by a company or user to track and manage specific chemical products in their inventory. It helps users to differentiate user assigned numbers from the manufacturer-assigned catalog or product numbers.

Part numbers can be drawn from the system and exported to spreadsheet format using the report generator export function tool. With this new addition of various types of part numbers will enhance data driven reporting for the ease of users to track and manage their inventories.

User part numbers must be added into the system for intended materials by using the Add Part Number feature in the materials grid where a folder contains an inventory. The following exercise illustrates creating a report generator template using the advanced mode to export the respective data based on a few selected data points of interest identifying the materials and user part number. The report generator data points that will be utilised in the case are as follows:

- Material Name
- Vendor
- User Part Number
- Location

These few part numbers are found under each of the respective method builder director folders.

Directory Folder in Method Builder

Data Point

Identification

Material Name

Vendor

User Part Number

User Part Number (GLOBAL)

Method Builder

user

> ☒ Identification

☒ User Part Number

☒ User Part Number (GLOBAL)

Data Point	Split by Rows
Material Name	☐
Preferred Name	☐
Vendor	☐
Vendor Part Number	☐
User Part Number	☐
Location	☐
User Part Number (GLOBAL)	☐

Individual Data Points 7
(For Mixtures) per Ingredient 0

Report Name Part Numbers Report Save Report Cancel

Steps to Generate a Report for User Part Number Data Points

1. Open **Home** module .
2. Click on **the Folder** location to list materials.
3. Select **Checkboxes against the Materials** of interest that have part numbers assigned.
4. Click the **Report Generator** button  on the top right corner of the user interface.
5. Note that the **'Selected'** radio button is the default option to generate the report based on selected materials on the list. Choose an option; **Current Page** or All or simply maintain the default if only specific materials are selected from the list.
6. Click the **Advanced** tab.
7. Click the **Add +** icon to select the respective datapoints in method builder window.
8. Select the **datapoints checkboxes**, e.g. in the Identification folder, select the Material Name, Vendor, **User Part Number**, User Number (GLOBAL) checkboxes and add more datapoints of interest from other folder directories such as Own folder location.
9. Enter the name of the report in the **Report Name** text field.
10. Click the **Save Report** Save Report button. The message display on the top right corner confirms the successful operation.



Success

User Method Saved



Regulatory Reports Print Out 4 Report

Placarding Bar Show subfolders Advanced View

☐	Material Name	Hazard	Vendor	Hazard Codes	Part Num	CAS No	Country	Language	Current	Volume	Red	UN No
☒	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	—	76-05-1	AUS	EN	0	L		
☒	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	—	Not Applicable	AUS	EN	0	L		
☒	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	1144	Not Applicable	AUS	EN	0	L		1170
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	—	Not Applicable	AUS	EN	0	L		1090
☒	acetone 23/12/2022 03/01/2023		Chemwatch	H225, H319, H336, AUH066	1111	67-64-1	AUS	EN	0	L		1090
☐	acetone 08/06/2018 29/02/2020		MP Biomedicals	H225, H319, H336	333	Not Applicable	AUS	EN	0	L		1090

Report Generator

☒ Selected 5
☐ Current page
☐ All

Basic **Advanced** Galleria

Report: User Part Number +
 Report Format: XLSX
 Enable Multiple: ☒
 Download Images: ☐

Start Process

Generated Documents



Users must be assigned privileges to use the full scope of the Report Generator module. Contact your domain administrator for more information.

Method Builder

Search...

☒ Material Name
☐ Material Tags
☐ Material Tags Description
☐ Mini Appearance
☒ Preferred Name
☐ SDS Country
☐ SDS Issue Date (Latest)
☐ SDS Language
☐ Synonyms
☐ Unique Formula Identifier Number
☐ Use 8
☒ User Part Number
☒ User Part Number (GLOBAL)
☒ Vendor
☐ Vendor Address
☐ Vendor Country
☐ Vendor Email
☐ Vendor Emergency Organization

Data Point

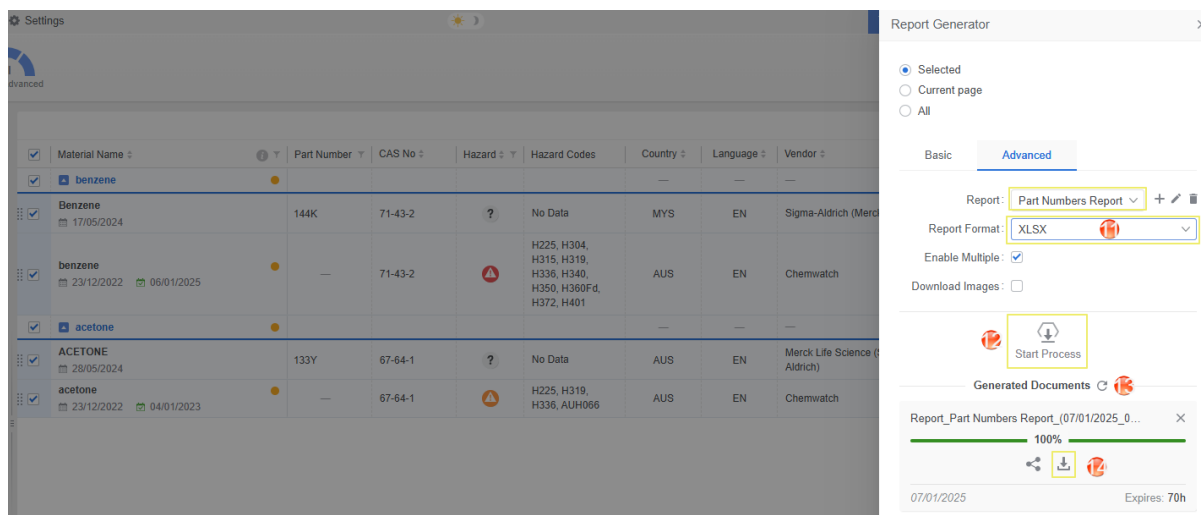
Material Name	☐
Preferred Name	☐
Vendor	☐
Vendor Part Number	☐
User Part Number	☐
Location	☐
User Part Number (GLOBAL)	☐

Split by Rows

Individual Data Points 7
 (For Mixtures) per Ingredient 0

9 Report Name Part Numbers Report Save Report Cancel

11. Select the **Report Format** from the dropdown arrow, e.g., xlsx (spreadsheet file format).
12. Click the **Start Process** button.
13. Wait until the download process is completed at 100% progress bar.
14. Click the **Download** button.
15. **Save** the downloaded file onto your desktop/extension folder.
16. **Open** the downloaded **File** to view the respective data.



Part Numbers spreadsheet format report contains the selected datapoints represented in the column headers.

	A	B	C	D	E
1	Material Name	Vendor	User Part Number	Location	
2	Benzene	Sigma-Aldrich (Merck)	144K	Area/Section/Location	
3	acetone	Chemwatch		Area/Section/Location	
4	ACETONE	Merck Life Science (Sigma-Aldrich)	133Y	Area/Section/Location	
5					

5.2.2 Create and Generate Report with Graphics

Report Generator advanced tool provides users with the ability to create custom templates to generate reports with available graphics. The advanced user defined templates must be created using specific datapoints available in the Method Builder directory folders.

Hazardous Materials Common Graphics



The following steps illustrate how to generate a report for materials with datapoints graphics.

Steps: Create and Generate a Report with Graphics using a Custom Template

1. Open **Home** module .
2. Click on **Folder** location to list materials and select checkboxes against the materials of interest.
3. Click the **Report Generator** button  on the top right corner of the user interface.
4. Note that the 'Selected' radio button is the default option to generate the report based on selected materials on the list. Choose an option; **Current Page** or All or simply maintain the default if only specific materials are selected from the list.
5. Click the **Advanced** tab.
6. Click the **Add**  icon to select the respective datapoints in method builder window.
7. In the **Method Builder** folder directories, select the **downward arrows**  to drill down the datapoints.
8. Select the **datapoints checkboxes**, e.g. select Material Name, GHS Graphics, GHS PPE Graphics, DG Diamond Graphic and add more datapoints of interest from other folder directories.
9. Enter the name of the report in the **Report Name** text field.
10. Click the **Save Report**  button. The message display on the top right corner confirms successful operation.

 Success ×
User Method Saved

11. Select the **Report Format** from the dropdown arrow, e.g., xlsx
12. Select the **Download Images** checkbox.
13. Click the **Start Process**  button. Wait until the download process is completed at 100% progress bar.
14. Click the **Download** button.
15. **Save** downloaded file.
16. **Open** the downloaded **File** to view the data export.

Search for a folder...  Expand Collapse

All materials for administrator

- ▼ Australia
 - > New South Wales
 - > Queensland
 - > South Australia
 - ▼ Victoria
 - > Cleaners
 - ▼ Fuels + Oils
 - Fuel Shed
 - ▼ Laboratory
 - Analytical Lab** 2
 - Organic Chems Cupboard
 - Reagents

Select... Regulatory Reports Print Out Report											
Placarding Bar Show subfolders Advanced View											
☐	Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Langu...	Current	Volume	Red ...	UN No
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0	L		Not Ac
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0	L		Not Ac
☐	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0	L		1170
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0	L		1090

Method Builder

Search...

- Regulatory
- Ingredients
- Identification
- SYSTEM
- Safety
- Own folders
 - Location
 - Maximum Volume Unit
 - Maximum Volume
 - Biological Monitoring Filter
- Dangerous Goods (DG) Data
 - DG Primary Class
 - DG Second Sub Risk
 - UN
 - DG Diamond Graphic
 - Spills Fire Distance
 - Packing Group
 - EPG Number

Data Point

Data Point	Split by Rows
Material Name	☐
GHS Graphics (Except DG Diamonds)	☐
Location	☐
GHS PPE Graphics	☐
International Hazard Graphics	☐
NFPA Diamond Graphics	☐
GHS Pictogram Images	☐
GHS H Codes	☐
DG Primary Class	☐
DG Diamond Graphic	☐
Packing Group	☐

Selected datapoints

Individual Data Points 11
(For Mixtures) per Ingredient 0

Report Name Materials and Graphics **Save Report** Cancel

Report Generator

Selected
Current page
All

Basic **Advanced**

Report: Materials and Graphics

Report Format: XLSX

Enable Multiple: ☒

Download Images: ☒

Start Process

Generated Documents

Report_Materials and Graphics_(05/06/2024...) 100% 05/06/2024 Expires: 71h

Save Report on Your Repository

Report Generator

Selected
Current page
All

Basic **Advanced**

Report: Materials and Graphics

Report Format: XLSX

Enable Multiple: ☒

Download Images: ☒

Start Process

Generated Documents

Report_Materials and Graphics_(05/06/2024...) 100% 05/06/2024 Expires: 70h

Save As

File name: Report_Materials and Graphics

Save as type: Microsoft Excel Worksheet

Save Cancel

Downloaded Report View

	A	B	C	D	E	F	G	H
1	Material Name	Location	NFPA Diamond	GHS PPE Graphics	GHS Pictogram Images	GHS H Codes	DG Primary Class	Packing Group
2	12.5% Bleach	Global Sites/Area/Building/Hazard				AUH031 H400 H314	8	III
3	FORMALDEHYDE 41%	Chemicals Global Sites/Area/Building/Hazard				H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	8	III
4	Acetone	Chemicals Global Sites/Area/Building/Hazard				H225 H336 H319	3	II
5	BLEACH	Chemicals Global Sites/Area/Building/Hazard				H314 H318	Not Applicable	Not Applicable
6	Cargill Sodium Chloride Food	Chemicals Global Sites/Area/Building/Hazard				H315 H319 H335	Not Applicable	Not Applicable
7	Henkel Loctite 5031/40LB	Chemicals Global Sites/Area/Building/Hazard				H317 H341 H360FD H373 H412	Not Applicable	Not Applicable

5.3 Generate Reports using Formatted Styles

There are various types of formatted template styles in xlsx format, which encompass different themes.

- Soft Light
- Light Grey-Blue
- Grey-Blue
- Grey-Blue RGB

The screenshot shows the Chemwatch interface with a list of materials including SULPHURIC ACID 70%, Poster Paint, 12.5% Bleach, FORMALDEHYDE 41%, and Acetone. A 'Report Generator' dialog box is open, showing the 'Basic' tab. The 'Report' section is set to 'Current page'. The 'Report Format' is 'Formatted Template (XLSX)'. The 'Template Style' is 'Soft Light'. The 'Download Images' section shows 'Soft Light' selected, with other options like 'Light Grey-Blue', 'Grey-Blue', and 'Grey-Blue RGB'.

These themes come in presentation-ready styled sheets that have colour coded schemes. The following steps demonstrate how to use a **Basic mode template** to export data to a spreadsheet using the **formatted style themes**. In this worked example, the data will be exported from a folder with existing inventory.

Steps: How to Generate a Report using a Basic Template

Search for a folder...  Expand Collapse

All materials for administrator

- ▼ Australia
 - > New South Wales
 - > Queensland
 - > South Australia
 - ▼ Victoria
 - > Cleaners
 - ▼ Fuels + Oils
 - Fuel Shed
 - ▼ Laboratory
 - Analytical Lab** 2
 - Organic Chems Cupboard
 - Reagents

Select...  3  Report

Regulatory Reports Print Out

Placarding Bar  Show subfolders  Advanced View 

☐	Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Language	Current Volume	Red ...	UN No	DG	S1
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0 L				Not Ap
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0 L				Not Ap
☐	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0 L		1170		3
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0 L		1090		3

1. Open **Home** module .
 2. Click on **Folder** location to list materials and select checkboxes against the materials of interest.
 3. Click the **Report Generator** button  on the top right corner of the user interface.
 4. Note that the **Selected** radio button is the default option to generate the report based on selected materials on the list grid. Select the **Current** option to generate data based on the current page.
 5. Choose the **Basic** tab.
 6. Select the **Report name** from the drop-down list of templates, e.g., Own DG report.
 7. Click the Report Format dropdown arrow and select **Formatted Template (XLSX)**.
 8. Click the **Template Style** dropdown arrow and select Grey Blue RGB option.
 9. Click the **Start Process**  button.
- Wait until the download process is completed at 100% progress bar.
10. Click the **Download** button.
 11. **Save** downloaded file.

Report Generator

Selected
☒ Current page 4
 All

Basic Advanced

Report: Own DG report 6
 Report Format: Formatted Template (XLSX) 7
 Template Style: Grey-Blue RGB 8

Download Images: ☐

Start Process 9

Generated Documents

Report_OwnDG_(05/06/2024_04-36-37-262) X

100%

05/06/2024 Expires: 71h

Save Report on Your Repository

Save As

File name: Report_OwnDG_Grey-Blue RGB
 Save as type: Microsoft Excel Worksheet

Save Cancel

Downloaded Grey-Blue RGB Report View

A	B	C	D	E	F	G
MANIFEST DG GOLD REPORT						
Location: Global Sites/Area/Building/Hazard Chemicals						
UN NUMBER	MATERIAL NAME	GHS H CODES GOLD	SHIPPING NAME	DG PRIMARY CLASS	HAZCHEM	PACKING GROUP
Not Applicable	Poster Paint	H320	Not Applicable	Not Applicable	Not Applicable	Not Applicable
1791	12.5% Bleach	AUH031 H400 H314	HYPOCHLORITE SOLUTION	8	2X	III
2209	FORMALDEHYDE 41%	H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde (contains formaldehyde)	8	*2X	III
1090	Acetone	H225 H336 H319	ACETONE	3	*2YE	II
Not Applicable	BLEACH	H314 H318	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Light Grey Blue template style is shown below.

A	B	C	D	E	F	G
MANIFEST DG GOLD REPORT						
Location: Global Sites/Area/Building/Hazard Chemicals						
UN Number	Material Name	GHS H Codes GOLD	Shipping Name	DG Primary Class	Hazchem	Packing Group
1791	12.5% Bleach	AUH031 H400 H314	HYPOCHLORITE SOLUTION	8	2X	III
2209	FORMALDEHYDE 41%	H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde (contains formaldehyde)	8	*2X	III
1090	Acetone	H225 H336 H319	ACETONE	3	*2YE	II
Not Applicable	BLEACH	H314 H318	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Soft Light template style is shown below.

A	B	C	D	E	F	G
MANIFEST DG GOLD REPORT						
Location:Global Sites/Area/Building/Hazard Chemicals						
UN NUMBER	MATERIAL NAME	GHS H CODES GOLD	SHIPPING NAME	DG PRIMARY CLASS	GOLD HAZCHEM	PACKING GROUP
Not Applicable	Poster Paint	H320	Not Applicable	Not Applicable	Not Applicable	Not Applicable
1791	12.5% Bleach	AUH031 H400 H314	HYPOCHLORITE SOLUTION	8	2X	III
2209	FORMALDEHYDE 41%	H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde (contains formaldehyde)	8	*2X	III
1090	Acetone	H225 H336 H319	ACETONE	3	*2YE	II
Not Applicable	BLEACH	H314 H318	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Grey Blue template style is shown below.

A	B	C	D	E	F	G
MANIFEST DG GOLD REPORT						
Location:Global Sites/Area/Building/Hazard Chemicals						
UN NUMBER	MATERIAL NAME	GHS H CODES GOLD	SHIPPING NAME	DG PRIMARY CLASS	GOLD HAZCHEM	PACKING GROUP
Not Applicable	Poster Paint	H320	Not Applicable	Not Applicable	Not Applicable	Not Applicable
1791	12.5% Bleach	AUH031 H400 H314	HYPOCHLORITE SOLUTION	8	2X	III
2209	FORMALDEHYDE 41%	H290 H301 H311 H314 H317 H318 H331 H350 H360D H371 H402	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde (contains formaldehyde)	8	*2X	III
1090	Acetone	H225 H336 H319	ACETONE	3	*2YE	II
Not Applicable	BLEACH	H314 H318	Not Applicable	Not Applicable	Not Applicable	Not Applicable

5.4 New Zealand Inventory Report

The Report Generator provides the New Zealand Inventory Report to be generated from the basic tab.

The screenshot displays the Chemwatch Report Generator interface. At the top right, there are buttons for 'Regulatory Reports', 'Print Out', and 'Report' (highlighted with a yellow box). Below these is a 'Report Generator' button. The main area shows a table of chemical inventory items. The table has columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, Hazard, and Dangerous Goods. The items listed include chlorine, Chlorine, benzene, Chlorine Dosing Solution Ampule 1000 - 15..., WD-40 BULK LIQUID, Hydrochloric acid solution, BOC Argoshield Light and Argoshield U..., and Sulfuric Acid. The right sidebar contains options for 'Group Own By' (Document Name, CW No, No Grouping), 'Hazards / Data Filters', 'Data available' (Chemwatch 3, Vendor 12), and 'Vendors' (Chemwatch 3, Merck Life Science, Sigma-Aldrich, Airgas, Sigma-Aldrich, MiliporeSigma).

The basic tab report template created by Chemwatch contains 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

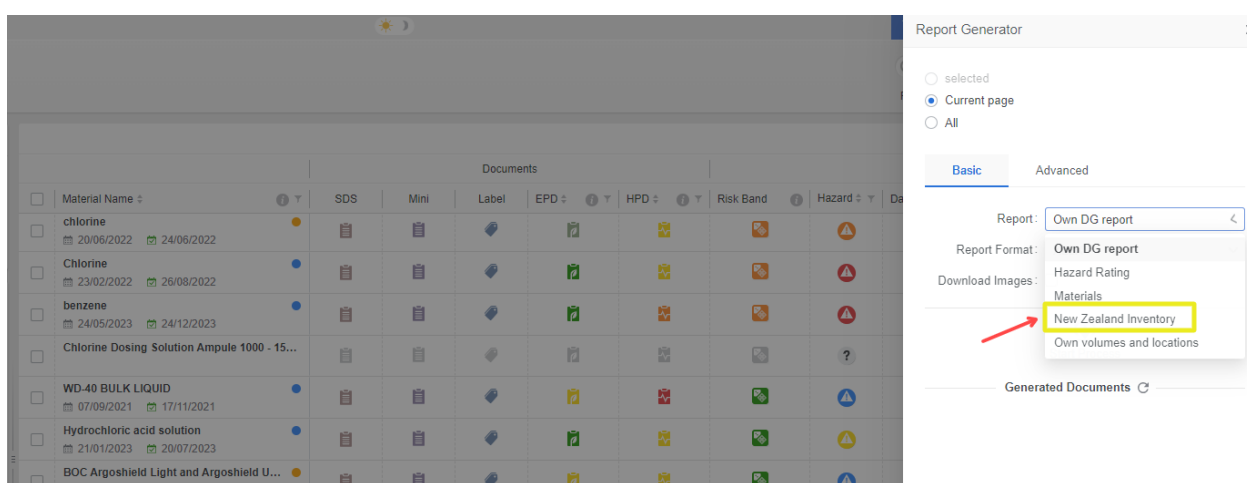
Description of Report Type

Report Generator Datapoints

New
Zealand
Inventory

The **New Zealand Inventory Report** 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, GHS Classification Gold, 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.



Once the report is selected, it can be generated using any of the available formats:

- XLSX
- XLS
- XML
- CSV
- HTML
- Formatted Template (XLSX)

Report Generator

selected
☒ Current page
☐ All

Basic Advanced

Report: New Zealand Inventory

Report Units: Original

Report Format: XLSX

Download Images: XML, CSV, XLS, XLSX, HTML

Generated Documents: Formatted Template (XLSX)

The Formatted Template style contains options to choose the desired styling of the sheet:

- Soft Light
- Light Grey Blue
- Grey Blue
- Grey Blue RGB

Report Generator

selected
☒ Current page
☐ All

Basic Advanced

Report: New Zealand Inventory

Report Units: Original

Report Format: Formatted Template (XLSX)

Download Images: Soft Light, Light Grey-Blue, Grey-Blue, Grey-Blue RGB

Generated Documents: Soft Light

The Generated Report file name contains the actual date when the report is generated for download or sharing.

The screenshot displays the GoldFFX interface. On the left, a table lists materials with columns for Material Name, SDS, Mini, Label, EPD, HPD, Risk Band, and Hazard. Materials include ACETONE, Benzene, chlorine, Chlorine, benzene, Chlorine Dosing Solution Ampule 1000 - 15..., WD-40 BULK LIQUID, Hydrochloric acid solution, and BOC Argoshield Light and Argoshield U... On the right, the 'Report Generator' sidebar is open, showing options for 'Current page' and 'All'. Under 'Basic', 'Report' is set to 'New Zealand Inventory', 'Report Units' to 'Original', 'Report Format' to 'Formatted Template (XLSX)', and 'Template Style' to 'Grey-Blue RGB'. A 'Start Process' button is visible, along with a progress bar for 'Report_NewZealandInventory_06/09/2024_...' at 100% completion, dated 06/09/2024 and expiring in 71h.

The worked example illustrates the specific NZ Inventory Report datapoints in column headers of the report.

- HSR Number
- GHS Classification
- DG Primary Class
- Packing Group
- Physical State

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	NEW ZEALAND INVENTORY REPORT													
1														
2	Location:Australia/Storage													
3	MATERIAL NAME	CATALOGUE NAME	UN	HSR NUMBERS	GHS CLASSIFICATION NEW ZEALAND	GHS CLASSIFICATION	DG PRIMARY CLASS	STORAGE INCOMPATIBILITIES	PACKING GROUP	INITIAL UN DATE	HAZARD STORAGE AND TRANSPORT	PHYSICAL STATE	MAXIMUM VOLUME	MAXIMUM VOLUME UNIT
4								EL SIGG						
5	chlorine	chlorine	1017	HSR001058		Oxidising Gases Category 1 (Gases Under Pressure) (Liquefied Gas) (Skin Corrosion/Irritation Category 2) (Serious Eye Damage/Irritation Category 2) (Acute Toxicity (Inhalation) Category 3) (Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3) (Hazardous to the Aquatic Environment Acute Hazard Category 1)	2.3			16/06/2005	Restrictions on Storage apply. Refer to Full Report. Keep locked up. Keep out of reach of children. Keep in a cool place. Keep away from living quarters. Keep away from food, drink and animal feeding stuffs. Keep away from heat.	Gas	4500	L
6														
7	X-Ray Fluor, Lithium tetrafluoroborate, Lithium metaborate	X-Ray Fluor, Lithium tetrafluoroborate, Lithium metaborate		HSR000982;HSR000756		Acute Toxicity (Oral) Category 4 (Acute Toxicity (Dermal) Category 4) (Skin Corrosion/Irritation Category 2) (Serious Eye Damage/Irritation Category 2) (Acute Toxicity (Inhalation) Category 3) (Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3)				23/12/2022		Solid	5	kg
8														
9	Lithium Ion Battery (Module)	Lithium Ion Battery (Module)											120	L
10	Lithium Ion Battery	Lithium Ion Battery	3480	Not Applicable			9			14/10/2023		Solid	1500	kg
11														
12	Sony Lithium-Ion Rechargeable Battery	Sony Lithium-Ion Rechargeable Battery	3480	HSR002512;HSR002532;HSR002547;HSR002551;HSR002562;HSR002568;HSR002610;HSR002687;HSR002616;HSR002688;HSR002689;HSR002690;HSR002691;HSR002692;HSR002693;HSR002694;HSR002695;HSR002696;HSR002697;HSR002698;HSR002699;HSR002700;HSR002701;HSR002702;HSR002703;HSR002704;HSR002705;HSR002706;HSR002707;HSR002708;HSR002709;HSR002710;HSR002711;HSR002712;HSR002713;HSR002714;HSR002715;HSR002716;HSR002717;HSR002718;HSR002719;HSR002720;HSR002721;HSR002722;HSR002723;HSR002724;HSR002725;HSR002726;HSR002727;HSR002728;HSR002729;HSR002730;HSR002731;HSR002732;HSR002733;HSR002734;HSR002735;HSR002736;HSR002737;HSR002738;HSR002739;HSR002740;HSR002741;HSR002742;HSR002743;HSR002744;HSR002745;HSR002746;HSR002747;HSR002748;HSR002749;HSR002750;HSR002751;HSR002752;HSR002753;HSR002754;HSR002755;HSR002756;HSR002757;HSR002758;HSR002759;HSR002760;HSR002761;HSR002762;HSR002763;HSR002764;HSR002765;HSR002766;HSR002767;HSR002768;HSR002769;HSR002770;HSR002771;HSR002772;HSR002773;HSR002774;HSR002775;HSR002776;HSR002777;HSR002778;HSR002779;HSR002780;HSR002781;HSR002782;HSR002783;HSR002784;HSR002785;HSR002786;HSR002787;HSR002788;HSR002789;HSR002790;HSR002791;HSR002792;HSR002793;HSR002794;HSR002795;HSR002796;HSR002797;HSR002798;HSR002799;HSR002800;HSR002801;HSR002802;HSR002803;HSR002804;HSR002805;HSR002806;HSR002807;HSR002808;HSR002809;HSR002810;HSR002811;HSR002812;HSR002813;HSR002814;HSR002815;HSR002816;HSR002817;HSR002818;HSR002819;HSR002820;HSR002821;HSR002822;HSR002823;HSR002824;HSR002825;HSR002826;HSR002827;HSR002828;HSR002829;HSR002830;HSR002831;HSR002832;HSR002833;HSR002834;HSR002835;HSR002836;HSR002837;HSR002838;HSR002839;HSR002840;HSR002841;HSR002842;HSR002843;HSR002844;HSR002845;HSR002846;HSR002847;HSR002848;HSR002849;HSR002850;HSR002851;HSR002852;HSR002853;HSR002854;HSR002855;HSR002856;HSR002857;HSR002858;HSR002859;HSR002860;HSR002861;HSR002862;HSR002863;HSR002864;HSR002865;HSR002866;HSR002867;HSR002868;HSR002869;HSR002870;HSR002871;HSR002872;HSR002873;HSR002874;HSR002875;HSR002876;HSR002877;HSR002878;HSR002879;HSR002880;HSR002881;HSR002882;HSR002883;HSR002884;HSR002885;HSR002886;HSR002887;HSR002888;HSR002889;HSR002890;HSR002891;HSR002892;HSR002893;HSR002894;HSR002895;HSR002896;HSR002897;HSR002898;HSR002899;HSR002900;HSR002901;HSR002902;HSR002903;HSR002904;HSR002905;HSR002906;HSR002907;HSR002908;HSR002909;HSR002910;HSR002911;HSR002912;HSR002913;HSR002914;HSR002915;HSR002916;HSR002917;HSR002918;HSR002919;HSR002920;HSR002921;HSR002922;HSR002923;HSR002924;HSR002925;HSR002926;HSR002927;HSR002928;HSR002929;HSR002930;HSR002931;HSR002932;HSR002933;HSR002934;HSR002935;HSR002936;HSR002937;HSR002938;HSR002939;HSR002940;HSR002941;HSR002942;HSR002943;HSR002944;HSR002945;HSR002946;HSR002947;HSR002948;HSR002949;HSR002950;HSR002951;HSR002952;HSR002953;HSR002954;HSR002955;HSR002956;HSR002957;HSR002958;HSR002959;HSR002960;HSR002961;HSR002962;HSR002963;HSR002964;HSR002965;HSR002966;HSR002967;HSR002968;HSR002969;HSR002970;HSR002971;HSR002972;HSR002973;HSR002974;HSR002975;HSR002976;HSR002977;HSR002978;HSR002979;HSR002980;HSR002981;HSR002982;HSR002983;HSR002984;HSR002985;HSR002986;HSR002987;HSR002988;HSR002989;HSR002990;HSR002991;HSR002992;HSR002993;HSR002994;HSR002995;HSR002996;HSR002997;HSR002998;HSR002999;HSR003000;HSR003001;HSR003002;HSR003003;HSR003004;HSR003005;HSR003006;HSR003007;HSR003008;HSR003009;HSR003010;HSR003011;HSR003012;HSR003013;HSR003014;HSR003015;HSR003016;HSR003017;HSR003018;HSR003019;HSR003020;HSR003021;HSR003022;HSR003023;HSR003024;HSR003025;HSR003026;HSR003027;HSR003028;HSR003029;HSR003030;HSR003031;HSR003032;HSR003033;HSR003034;HSR003035;HSR003036;HSR003037;HSR003038;HSR003039;HSR003040;HSR003041;HSR003042;HSR003043;HSR003044;HSR003045;HSR003046;HSR003047;HSR003048;HSR003049;HSR003050;HSR003051;HSR003052;HSR003053;HSR003054;HSR003055;HSR003056;HSR003057;HSR003058;HSR003059;HSR003060;HSR003061;HSR003062;HSR003063;HSR003064;HSR003065;HSR003066;HSR003067;HSR003068;HSR003069;HSR003070;HSR003071;HSR003072;HSR003073;HSR003074;HSR003075;HSR003076;HSR003077;HSR003078;HSR003079;HSR003080;HSR003081;HSR003082;HSR003083;HSR003084;HSR003085;HSR003086;HSR003087;HSR003088;HSR003089;HSR003090;HSR003091;HSR003092;HSR003093;HSR003094;HSR003095;HSR003096;HSR003097;HSR003098;HSR003099;HSR003100;HSR003101;HSR003102;HSR003103;HSR003104;HSR003105;HSR003106;HSR003107;HSR003108;HSR003109;HSR003110;HSR003111;HSR003112;HSR003113;HSR003114;HSR003115;HSR003116;HSR003117;HSR003118;HSR003119;HSR003120;HSR003121;HSR003122;HSR003123;HSR003124;HSR003125;HSR003126;HSR003127;HSR003128;HSR003129;HSR003130;HSR003131;HSR003132;HSR003133;HSR003134;HSR003135;HSR003136;HSR003137;HSR003138;HSR003139;HSR003140;HSR003141;HSR003142;HSR003143;HSR003144;HSR003145;HSR003146;HSR003147;HSR003148;HSR003149;HSR003150;HSR003151;HSR003152;HSR003153;HSR003154;HSR003155;HSR003156;HSR003157;HSR003158;HSR003159;HSR003160;HSR003161;HSR003162;HSR003163;HSR003164;HSR003165;HSR003166;HSR003167;HSR003168;HSR003169;HSR003170;HSR003171;HSR003172;HSR003173;HSR003174;HSR003175;HSR003176;HSR003177;HSR003178;HSR003179;HSR003180;HSR003181;HSR003182;HSR003183;HSR003184;HSR003185;HSR003186;HSR003187;HSR003188;HSR003189;HSR003190;HSR003191;HSR003192;HSR003193;HSR003194;HSR003195;HSR003196;HSR003197;HSR003198;HSR003199;HSR003200;HSR003201;HSR003202;HSR003203;HSR003204;HSR003205;HSR003206;HSR003207;HSR003208;HSR003209;HSR003210;HSR003211;HSR003212;HSR003213;HSR003214;HSR003215;HSR003216;HSR003217;HSR003218;HSR003219;HSR003220;HSR003221;HSR003222;HSR003223;HSR003224;HSR003225;HSR003226;HSR003227;HSR003228;HSR003229;HSR003230;HSR003231;HSR003232;HSR003233;HSR003234;HSR003235;HSR003236;HSR003237;HSR003238;HSR003239;HSR003240;HSR003241;HSR003242;HSR003243;HSR003244;HSR003245;HSR003246;HSR003247;HSR003248;HSR003249;HSR003250;HSR003251;HSR003252;HSR003253;HSR003254;HSR003255;HSR003256;HSR003257;HSR003258;HSR003259;HSR003260;HSR003261;HSR003262;HSR003263;HSR003264;HSR003265;HSR003266;HSR003267;HSR003268;HSR003269;HSR003270;HSR003271;HSR003272;HSR003273;HSR003274;HSR003275;HSR003276;HSR003277;HSR003278;HSR003279;HSR003280;HSR003281;HSR003282;HSR003283;HSR003284;HSR003285;HSR003286;HSR003287;HSR003288;HSR003289;HSR003290;HSR003291;HSR003292;HSR003293;HSR003294;HSR003295;HSR003296;HSR003297;HSR003298;HSR003299;HSR003300;HSR003301;HSR003302;HSR003303;HSR003304;HSR003305;HSR003306;HSR003307;HSR003308;HSR003309;HSR003310;HSR003311;HSR003312;HSR003313;HSR003314;HSR003315;HSR003316;HSR003317;HSR003318;HSR003319;HSR003320;HSR003321;HSR003322;HSR003323;HSR003324;HSR003325;HSR003326;HSR003327;HSR003328;HSR003329;HSR003330;HSR003331;HSR003332;HSR003333;HSR003334;HSR003335;HSR003336;HSR003337;HSR003338;HSR003339;HSR003340;HSR003341;HSR003342;HSR003343;HSR003344;HSR003345;HSR003346;HSR003347;HSR003348;HSR003349;HSR003350;HSR003351;HSR003352;HSR003353;HSR003354;HSR003355;HSR003356;HSR003357;HSR003358;HSR003359;HSR003360;HSR003361;HSR003362;HSR003363;HSR003364;HSR003365;HSR003366;HSR003367;HSR003368;HSR003369;HSR003370;HSR003371;HSR003372;HSR003373;HSR003374;HSR003375;HSR003376;HSR003377;HSR003378;HSR003379;HSR003380;HSR003381;HSR003382;HSR003383;HSR003384;HSR003385;HSR003386;HSR003387;HSR003388;HSR003389;HSR003390;HSR003391;HSR003392;HSR003393;HSR003394;HSR003395;HSR003396;HSR003397;HSR003398;HSR003399;HSR003400;HSR003401;HSR003402;HSR003403;HSR003404;HSR003405;HSR003406;HSR003407;HSR003408;HSR003409;HSR003410;HSR003411;HSR003412;HSR003413;HSR003414;HSR003415;HSR003416;HSR003417;HSR003418;HSR003419;HSR003420;HSR003421;HSR003422;HSR003423;HSR003424;HSR003425;HSR003426;HSR003427;HSR003428;HSR003429;HSR003430;HSR003431;HSR003432;HSR003433;HSR003434;HSR003435;HSR003436;HSR003437;HSR003438;HSR003439;HSR003440;HSR003441;HSR003442;HSR003443;HSR003444;HSR003445;HSR003446;HSR003447;HSR003448;HSR003449;HSR003450;HSR003451;HSR003452;HSR003453;HSR003454;HSR003455;HSR003456;HSR003457;HSR003458;HSR003459;HSR003460;HSR003461;HSR003462;HSR003463;HSR003464;HSR003465;HSR003466;HSR003467;HSR003468;HSR003469;HSR003470;HSR003471;HSR003472;HSR003473;HSR003474;HSR003475;HSR003476;HSR003477;HSR003478;HSR003479;HSR003480;HSR003481;HSR003482;HSR003483;HSR003484;HSR003485;HSR003486;HSR003487;HSR003488;HSR003489;HSR003490;HSR003491;HSR003492;HSR003493;HSR003494;HSR003495;HSR003496;HSR003497;HSR003498;HSR003499;HSR003500;HSR003501;HSR003502;HSR003503;HSR003504;HSR003505;HSR003506;HSR003507;HSR003508;HSR003509;HSR003510;HSR003511;HSR003512;HSR003513;HSR003514;HSR003515;HSR003516;HSR003517;HSR003518;HSR003519;HSR003520;HSR003521;HSR003522;HSR003523;HSR003524;HSR003525;HSR003526;HSR003527;HSR003528;HSR003529;HSR003530;HSR003531;HSR003532;HSR003533;HSR003534;HSR003535;HSR003536;HSR003537;HSR003538;HSR003539;HSR003540;HSR003541;HSR003542;HSR003543;HSR003544;HSR003545;HSR003546;HSR003547;HSR003548;HSR003549;HSR003550;HSR003551;HSR003552;HSR003553;HSR003554;HSR003555;HSR003556;HSR003557;HSR003558;HSR003559;HSR003560;HSR003561;HSR003562;HSR003563;HSR003564;HSR003565;HSR003566;HSR003567;HSR003568;HSR003569;HSR003570;HSR003571;HSR003572;HSR003573;HSR003574;HSR003575;HSR003576;HSR003577;HSR003578;HSR003579;HSR003580;HSR003581;HSR003582;HSR003583;HSR003584;HSR003585;HSR003586;HSR003587;HSR003588;HSR003589;HSR003590;HSR003591;HSR003592;HSR003593;HSR003594;HSR003595;HSR003596;HSR003597;HSR003598;HSR003599;HSR003600;HSR003601;HSR003602;HSR003603;HSR003604;HSR003605;HSR003606;HSR003607;HSR003608;HSR003609;HSR003610;HSR003611;HSR003612;HSR003613;HSR003614;HSR003615;HSR003616;HSR003617;HSR003618;HSR003619;HSR003620;HSR003621;HSR003622;HSR003623;HSR003624;HSR003625;HSR003626;HSR003627;HSR003628;HSR003629;HSR003630;HSR003631;HSR003632;HSR003633;HSR003634;HSR003635;HSR003636;HSR003637;HSR003638;HSR003639;HSR003640;HSR003641;HSR003642;HSR003643;HSR003644;HSR003645;HSR003646;HSR003647;HSR003648;HSR003649;HSR003650;HSR003651;HSR003652;HSR003653;HSR003654;HSR003655;HSR003656;HSR003657;HSR003658;HSR003659;HSR003660;HSR003661;HSR003662;HSR003663;HSR003664;HSR003665;HSR003666;HSR003667;HSR003668;HSR003669;HSR003670;HSR003671;HSR003672;HSR003673;HSR003674;HSR003675;HSR003676;HSR0036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Method Builder

Combustible

> ☒ Regulatory

☒ **Combustible Liquids Class**

Data Point	Split by Rows
:::ChemWatch Number	☐
:::Material Name	☐
:::CAS Number	☐
:::Combustible Liquids Class	☐
:::Location	☐
:::Maximum Volume	☐
:::Current Volume	☐
:::Current Volume Unit	☐
:::Licensed Volume	☐
:::Licensed Volume Unit	☐
:::Maximum Volume Unit	☐
:::Vendor	☐
:::Protective Distance	☐

The logic that drives the export engine is applicable to all types of materials; categorised by Chemwatch as Gold, Silver, WeWrites, VGD, UGD and meets the following Combustible Liquid Classes conditions:

Combustible Class	Condition
1	Materials with Flashpoint greater than 60°C and less than 93°C are classified as Combustible Liquid Class 1
1	If not Flashpoint available, but the material is a “Flammable Liquid Category 4” or has “H227” hazard code, the material is classified as Combustible Class 1
2	Materials with Flashpoint equal to or greater than 93°C and less than 150°C are classified as Combustible Liquid Class 2
N/A	If Flashpoint is not available and the material is not a “Flammable Liquid Category 4” or has “H227” hazard code, the material won’t be classified

i In Australia, the Australian Standard AS1940 provides the guidance on storage and handling of flammable and combustible liquids. A Combustible Liquid Report facilitates the identification of combustible liquids and regular audits and inspections to verify compliance with combustible liquid safety procedures. Note that only flammable liquids with a flash point of up to 93 °C are classified as hazardous chemicals under the WHS Regulations and the GHS. C1 Combustible Liquids with flashpoints between 93 °C and 150 °C are not classified as hazardous workplace chemicals.

Minimum Data Points Description

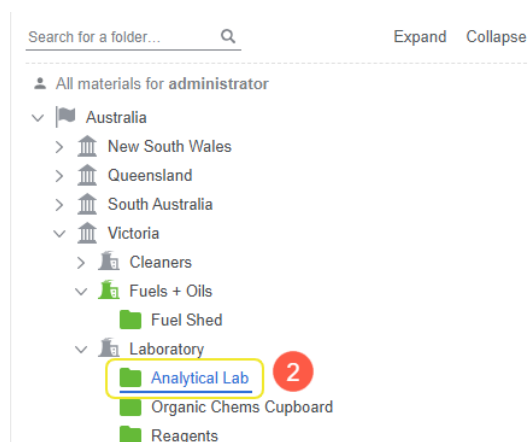
Data Point	Description	Notes
<i>The Method Builder mode enables combustible liquid data for a material to be exported into a spreadsheet for further use. These two datapoints are the main ones to reference the actual name of the product and the combustible liquid class as per the classification of the material.</i>		
Material Name	This is the default name of the material or the name of the product SDS	Material name/Product name (SDS) as registered in the Chemwatch full database
Combustible Liquids Class	Liquid classified based on their flashpoint, Class 1 (FP= greater than 60°C but less than 93°C) and Class 2 (FP= above 93°C)	Liquid with a flashpoint below their boiling point, can be ignited by an ignition source
Folder Location (Optional)	This is the name of the folder within the tree structure	A folder houses the own inventory of materials, and the materials are linked to the product SDS

The following datapoints will be utilised to generate a Combustible Type of Report in this

- Material Name
- Combustible Liquids Class
- Vendor
- Folder Location
- Maximum Volume
- Protective Distance
- Safe Handling Procedure
- Safe Storage Requirement
- Storage Incompatibility

Create a Template and Generate a Combustible Liquids Report

Generally, a Combustible Liquid Report is a document that details the properties, hazards, safe handling procedures to help businesses or organisations minimise the risks associated with use, handling and storage or transportation of such GHS categorised hazardous chemicals.



Placarding Bar											
☐	Material Name	Hazard	Vendor	Hazard Codes	CAS No	Country	Language	Current	Volume	Red ...	UN No
☐	0.1% Trifluoroacetic Acid in Water 21/11/2020 05/03/2025		Chem-Supply (Honeywell)	Non-Hazardous	76-05-1	AUS	EN	0	L		Not Ap
☐	56K-D0094 Dulux Professional Fas... 31/08/2022 09/01/2023		DuluxGroup	H317	Not Applicable	AUS	EN	0	L		Not Ap
☐	70% ethanol 10/03/2023 17/03/2023		Chemwatch	H225, H319	Not Applicable	AUS	EN	0	L		1170
☐	acetone 23/12/2022 06/02/2023		Huntsman	AUH066, H336, H319, H225	Not Applicable	AUS	EN	0	L		1090

1. Open **Home** module .
2. Click on the **Folder** location to list materials.
3. Select **Checkboxes** alongside the **Materials** of interest.
4. Click the **Report Generator** button  on the top right corner of the user interface.
5. Note that the '**Selected**' radio button is the default option to generate the report based on selected materials on the list. Choose Current Page or All or simply maintain the default if only specific materials are selected from the list.
6. Click the **Advanced** tab.
7. Click the **Add**  icon to select the respective datapoints in method builder window.

8. Select the **datapoints' checkboxes in the Method Builder**, e.g., in the Identification folder, select the checkboxes for Material Name, Vendor and in the Regulatory folder, select the Combustible Liquids Class checkbox. Add more datapoints of interest from other folder directories such as "Own folder Location".
9. Enter the name of the report in the **Report Name** text field, e.g., Combustible Liquids Report.
10. Click the **Save Report**  button. The message display on the top right corner confirms the successful operation.

 Success
User Method Saved

Material Name	Hazard Codes	CAS No	Country	Language	Vendor	Current	Volume	DG	S1	S2
☒ diesel										
☒ jet fuels JP-5 and JP-8 27/10/2023 19/11/2023	H227, H304, H315, H320, H336, H361F, H373, H411, AUH018	8020-83-5	AUS	EN	Chemwatch	75	L	9		
☒ Recochem Kerosene 03/10/2023	No Data	8008-20-6	AUS	EN	Recochem	50	L	No Data		
☒ fuel oil, No. 2 20/06/2022 24/06/2022	H228, H304, H315, H320, H336, H351	68476-30-2	AUS	EN	Chemwatch	25	L	3		
☒ Penrite Oil Chain Lube Road 10/12/2021 19/12/2021	H222+H229, H315, H320, H336, H411, AUH044	Not Applicable	AUS	EN	Chemwatch	30	L	2.1		
☒ Hexyl Alcohol 01/12/2021 27/10/2022	H228, H302+H312, H319, H402	Not Applicable	USA	EN	EMD Millipore (a part of MilliporeSigma)	40	L	3		
☒ kerosene, (petroleum), hydrodesulphurised 20/08/2021 26/08/2021	H228, H304, H315, H320, H336	64742-81-0	AUS	EN	Chemwatch	1500	L	3		

☒ Selected **5**
☐ Current page
☐ All

Basic

Advanced **6**

Report: Preferred Names ... **7**

Report Format: XLSX

Enable Multiple: ☒

Download Images: ☐

Start Process

Generated Documents

Report_Combustible Liquids Report_16/05/2...

100%

16/05/2025 Expires: 66h

Method Builder

Search...

- ☐ Ingredients
- ☐ PPE
- ☒ Identification
- ☐ Physical Properties
- ☒ Regulatory
 - ☐ Annex XIV Sunset Date
 - ☒ **Combustible Liquids Class**
 - ☐ GHS Classification
 - ☐ GHS Classification New Zealand
 - ☐ GHS H Codes
 - ☐ GHS H Codes and Phrases
 - ☐ GHS H Phrases
 - ☐ GHS Hazards Not Otherwise Specified
 - ☐ GHS HNOG Physical/Health Designation
 - ☐ GHS P Codes (All)
 - ☐ GHS P Codes (Disposal)
 - ☐ GHS P Codes (General)

Data Point	Split by Rows
Combustible Liquids Class	☐
Material Name	☐
Vendor	☐
Location	☐
Maximum Volume	☐
Maximum Volume Unit	☐
Protective Distance	☐
Safe Handling Procedure	☐
Safe Storage Requirement	☐
Storage Incompatibility	☐

Individual Data Points 10
(For Mixtures) per Ingredient 0

Report Name: Combustible Liquids Report **Save Report** Cancel

11. Select the **Report Format** from the dropdown arrow, e.g., xlsx (spreadsheet file format).

12. Click the **Start Process** button.

13. Wait until the download process is completed at 100% progress bar.

14. Click the **Download** button.

15. **Save** the downloaded file onto your desktop/extension folder.

16. **Open** the downloaded **File** to view the respective data.

Report Generator

Selected
Current page
All

Basic **Advanced**

Report: Combustible Liquids Class

Report Format: **XLSX**

Enable Multiple: ☒

Download Images: ☐

Start Process

Generated Documents

Report_Combustible Liquids Report_(16/05/2025)

100%

16/05/2025 Expires: 66h

ChemWatch Number	Material Name	CAS Number	Combustible Liquids Class	Location	Maximum Volume	Current Volume	Maximum Volume Unit	Vendor	Protective Distance	Safe Handling Procedure	Safe Storage Requirement	Storage Incompatibility
22064	diesel	68334-30-5	Class 1	Regions/Section/Combustible	75	75	L	Chemwatch	0	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	Carbon dioxide reacts violently with strong bases and alkali metals (especially their dusts) may ignite or explode when heated or in suspended chemically active metals (and their hydrides) such as aluminium, chromium, manganese, magnesium (above 775 °C), titanium (above 550 °C), uranium (above 750 °C) or zirconium, diethylmagnesium is incompatible with water, acrolein,
4171-99	jet fuels JP-5 and JP-8	8020-83-5	Class 1	Regions/Section/Combustible	75	75	L	Chemwatch	0	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	For alkyl aromatic: The alkyl side chain of aromatic rings can undergo oxidation by several mechanisms. The most common and dominant one is the attack by oxidation at benzylic carbon as the intermediate formed is stabilised by resonance structure of the ring. Following reaction with oxygen and under the influence of sunlight, a hydroperoxide at the alpha-position to the aromatic
41556	fuel oil, No. 2	68476-30-2	Class 1	Regions/Section/Combustible	25	25	L	Chemwatch	15	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material. Resultant overflow of containers may result in fire. Oil leaks in a pressurized circuit may result in a fire. Flammable spray (the lower flammability limit for oil mist is reached for a concentration of about 45 g/m³ - Autoignition temperatures may be
41766	Residual Fuel Oil	Not Applicable	Class 1	Regions/Section/Combustible	150	150	L	Alpha Resources		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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	
7576-45	STA-LUBE HYDRAULIC & JACK OIL	Not Applicable	Class 2	Regions/Section/Combustible	25	25	L	Sta-Lube (Part of CRC Industries)		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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	

Combustible Report Data Export

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
ChemWatch Number	Material Name	CAS Number	Combustible Liquids Class	Location	Maximum Volume	Current Volume	Maximum Volume Unit	Vendor	Protective Distance	Safe Handling Procedure	Safe Storage Requirement	Storage Incompatibility			
22064	diesel	68334-30-5	Class 1	Regions/Section/ Combustible	0	0	L	Chemwatch	0	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	Carbon dioxide reacts violently with strong bases and alkali metals (especially their dusts) may ignite or explode when heated or in suspended chemically active metals (and their hydrides) such as aluminium, chromium, manganese, magnesium (above 775 °C), titanium (above 550 °C), uranium (above 750 °C) or zirconium, diethylmagnesium is incompatible with water, acrolein,			
4171-99	jet fuels JP-5 and JP-8	8020-83-5	Class 1	Regions/Section/ Combustible	75	75	L	Chemwatch	0	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.	For alkyl aromatic: The alkyl side chain of aromatic rings can undergo oxidation by several mechanisms. The most common and dominant one is the attack by oxidation at benzylic carbon as the intermediate formed is stabilised by resonance structure of the ring. Following reaction with oxygen and under the influence of sunlight, a hydroperoxide at the alpha-position to the aromatic			
41556	fuel oil, No. 2	68476-30-2	Class 1	Regions/Section/ Combustible	25	25	L	Chemwatch	15	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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers in approved flammable liquid storage area. Store away from incompatible materials in a cool, dry, well-ventilated area. Do NOT store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Storage areas should be	CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material. Resultant overflow of containers may result in fire. Oil leaks in a pressurized circuit may result in a fire. Flammable spray (the lower flammability limit for oil mist is reached for a concentration of about 45 g/m³ - Autoignition temperatures may be			
41766	Residual Fuel Oil	Not Applicable	Class 1	Regions/Section/ Combustible	150	150	L	Alpha Resources		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. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by the conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling.				
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6.0 Risk Assessment

This chapter will cover the following primary objectives:

- Risk assessment modes and features
- Risk assessing a material
- Assigning a task for the material
- Setting risk assessment parameters
- Applying controls to minimize risks
- Personal protective equipment
- Saving a risk assessment
- Approval for a risk assessed material
- Generating a risk assessment report



Risk assessment for chemicals generally involves a systematic process to evaluate the potential health and environmental hazards posed by chemical substances through hazard identification, frequency of exposure, risk characterization and ensuring that procedures are followed with adequate control approaches to eliminate or reduce risks to a minimum.

Control Banding Risk Assessment

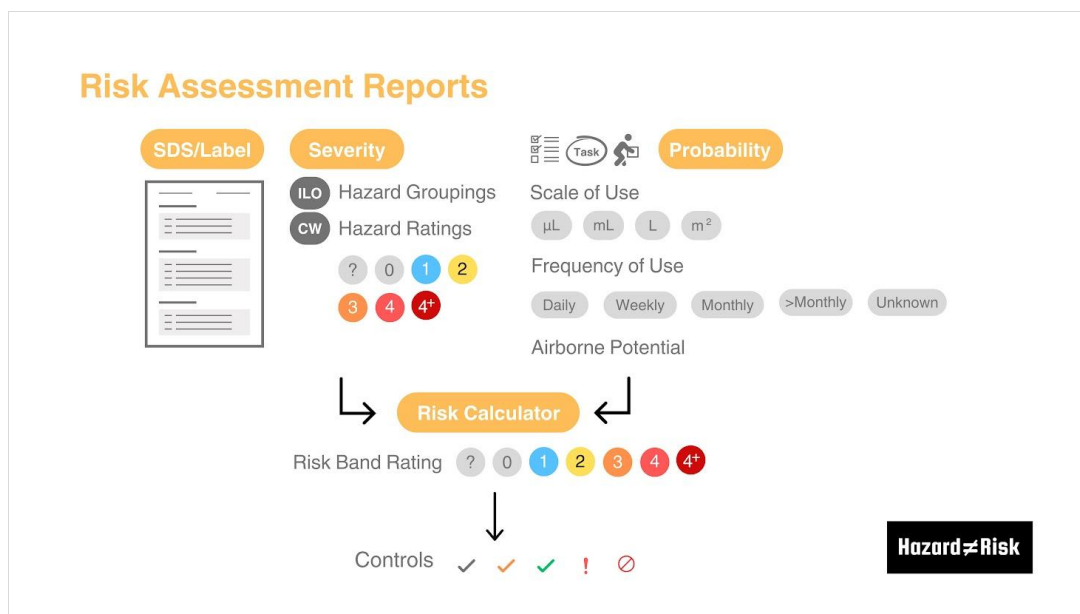


The Risk Assessment module uses the Control Banding methodology based on the ILO model. Control Banding is an assessment method used to manage workplace risks by grouping chemicals according to similar physical and chemical characteristics, considering how the chemical will be handled or used and what the anticipated exposure is and determine a set of controls to prevent harm to workers.

The risk assessment process 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 from the SDS is used in the predefined hazard grouping method to assign a **Band** to the chemical. The default risk band stems from the 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.



The Risk Assessment Settings  are an integral part of risk assessment calculations and start with determining the calculation model as a default Chemwatch model or a user defined matrix.

- Chemwatch ILO 5x5 matrix model (Default)
- User Defined matrix model (Custom)

The Chemwatch ILO 5x5 Matrix Model

Chemwatch uses the 5x5 matrix (ILO risk assessment model) to identify hazards based on hazard groupings, taking into effect the risk assessment conditions and calculating the risk band for a hazard chemical to provide the appropriate controls to minimize risks. 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	0	Not Applicable
1	Low	Blue	1	None Required
2	Moderate	Yellow	2	General Ventilation
3	High	Orange	3	Local Exhaust/Fume Hood
4	Very High	Red	4	Containment
4+	Extreme	Crimson	4+	Seek Specialist Advice

The **Risk Matrix** determines the likelihood, frequency of exposure and the consequence severity of the hazard.

ILO Risk Band Matrix

Risk of Exposure \ GHS Hazard Rating		4+	4	3	2	1	0
		Extreme	High	Moderate	Low	Minimum	None
5	Very High	4+	4+	4+	4	3	0
4	High	4+	4+	4	3	2	0
3	Moderate	4+	4	3	2	2	0
2	Low	4	3	2	2	1	0
1	Minimum	3	2	1	1	1	0

i Nonhazardous chemicals pose no risk; hence, controls will not be applicable; and the band will default to a zero grey icon **0**. If a Risk Matrix customization is required, contact your Chemwatch system domain administrator for further information.

Hazard ≠ 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 or control the hazard. The risk assessment module will display the hazard rating and risk band for a chemical based on the hazard identification, hazard grouping, scale of use, frequency of use and the default controls. and the default system risk assessment calculations as per the settings. However, users can also configure the usage of the risk assessment parameters through the user interface dashboard toolbar mode settings on the fly.

✓ Risk Assessments

Jobs

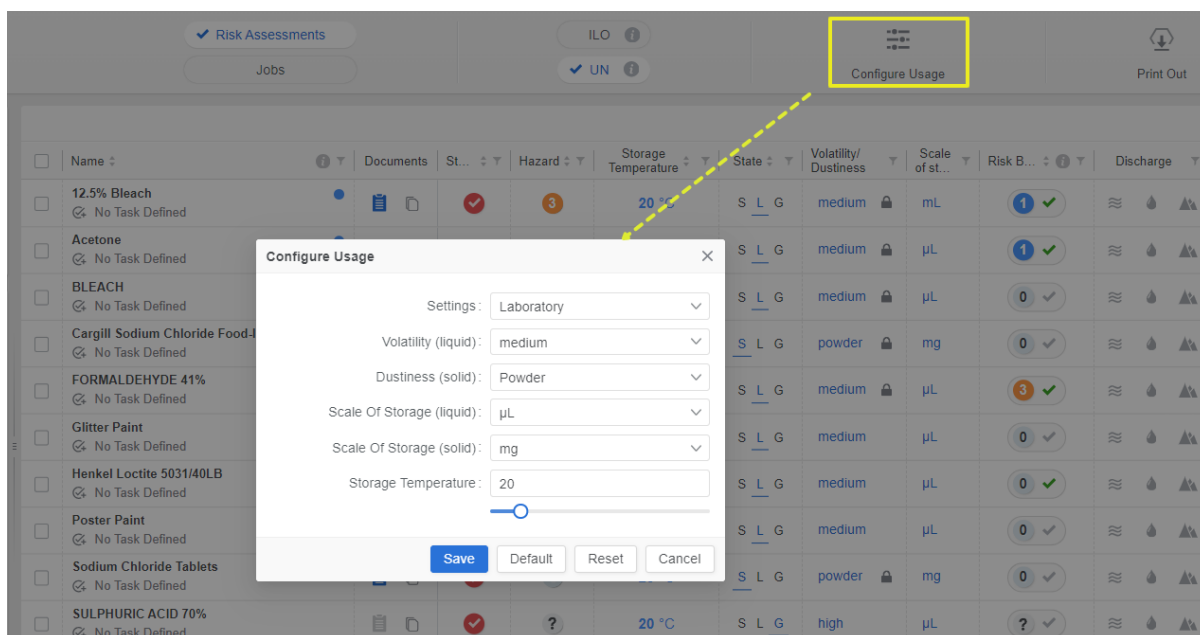
✓ ILO

UN

Configure Usage

Print Out

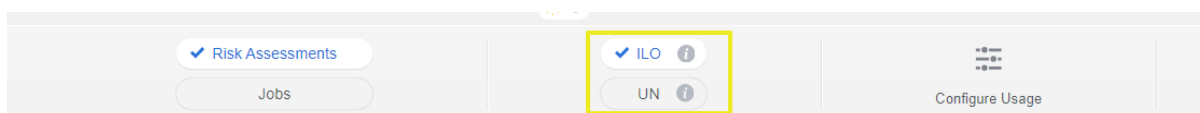
☐	Name		Documents	St...	Hazard	Operating Temperature	State	Volatility/ Dustiness	Scale of use	Frequency Of Use	Risk B...
☐	12.5% Bleach Cleaning					64 °C	S L G	high	L	weekly 1-4hrs	3
☐	Acetone No Task Defined					20 °C	S L G	medium	µL	daily >4hrs	1
☐	BLEACH No Task Defined					20 °C	S L G	medium	µL	daily >4hrs	2



Risk Assessment Modes

The risk assessment module provides two modes through which risk assessments can be performed based on use or storage.

- Use
- Storage



Each mode is activated through the following tabs.

Mode	Description	What is the tab used for?
	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.
	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.

Risk Assessment Status

There are four statuses in the risk assessment module.

- Assessment Complete
- Review Required
- Assessment Incomplete
- Assessment Required

The statuses reflect stages of the risk assessment process for each chemical in a folder.

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3 ✓
Acetone No Task Defined			2	20 °C	S L G	medium	µL	daily >4hrs	1 ✓
BLEACH No Task Defined				20 °C	S L G	medium	µL	daily >4hrs	2 ✓
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs	2 ✓
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	µL	daily >4hrs	3 ✓
Glitter Paint No Task Defined				20 °C	S L G	medium	µL	daily >4hrs	0 ✓
Henkel Loctite 5031/40LB No Task Defined			4	20 °C	S L G	medium	µL	daily >4hrs	3 ✓

Status

Icon

Description

Assessment Required



Any material in any folder is assigned this default status unless a risk assessment review is required. When a new material is added into a folder, the “Assessment Required” status is automatically set. 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 as complete.

Review Required



When the period set for the assessment (maximum ≤ 5years set by default) elapses or if there’s regulatory changes that affect the chemical, the status of the assessment will automatically change to “Review Required”.

When an assessment has not been completed for any reason or the

Status	Icon	Description
Assessment Incomplete		process was not finalised, and the assessment was not saved, the risk assessment status will be rendered to the status “Assessment Incomplete”. Hence, it is imperatively important to finalise and save the risk assessment to set it to the complete status.
Assessment Not Required		This status is applicable to a material that does not require an assessment, or it can be assigned to materials with hazard rating and risk band rating = 0 designated with the icon  . It can also be assigned to materials classified as DGC7 and DGC9 as these classes are not covered in the Risk Assessment criteria.

Risk Assessment and User Attributes

Permission	Description	User Interface Attribute	Risk Assess
Read 	Users with read permission can view folder inventory of materials but cannot edit risk assessments unless granted read-write permission.	Folder content can be accessed by users but cannot add or copy or move or remove (delete) folders or risk assessed materials.	 View Read- only
Read-write 	Users with read-write permission can risk-assess materials, copy, move, remove (delete) materials and generate reports.	Folder content can be accessed by users with read-write permission, edit or perform risk assessments on materials and generate risk assessment reports, create and approve jobs and render job reports.	 View Edit Rights

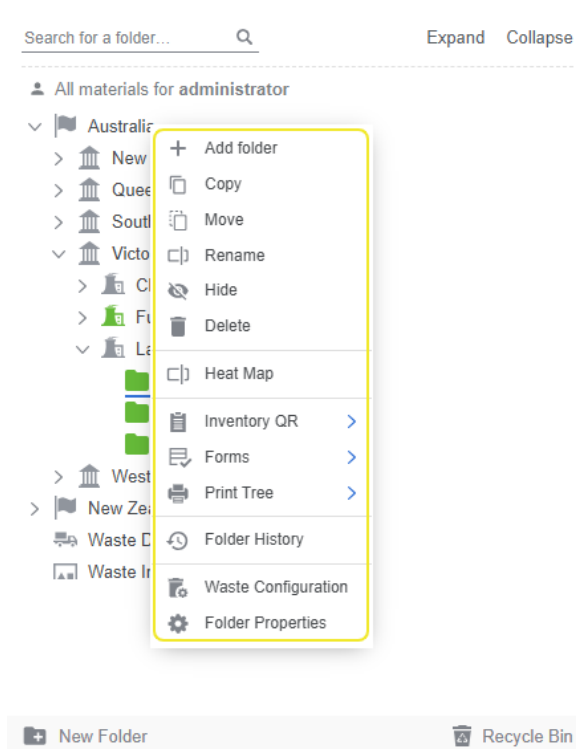
 If a user does not have the applicable risk assessment permissions or privileges, contact your Chemwatch system administrator for more information.

The next sub-topics cover the steps on how to perform risk assessments and generate risk assessment reports. Prior to performing a risk assessment, let's delve into features and functionalities available in this module.

- Folder tree
- Chemical inventory
- Risk assessment toolbar
- Material grid

Folder Tree

The primary purpose of creating a folder structure is to have a digital site map based “custom library” of folders based on all the sites and storage locations of chemicals at the workplace.



This custom library will contain an inventory of materials and SDS in the respective folders designated as:

- **Areas**
- **Sections**
- **Locations** where the chemicals are stored.

Folder inventories can also be updated in the risk assessment module. The folder tree right click functionality contains a context menu with specific attributes to manage or view information.

For more information, refer to the folder properties section in this guide.

Risk Assessment Toolbar

The risk assessment toolbar enables users to perform a variety of actions by using specific features.



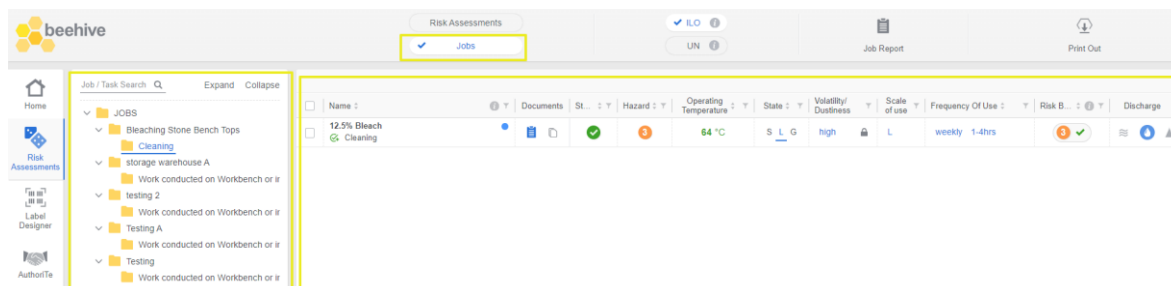
- Switch modes between **Risk Assessments** and **Jobs**
- Switch risk assessment type between **ILO** (Health) and **UN** (Storage)
- **Configure Usage** to apply risk assessment settings on the fly
- **Print Out** – Print, Share or Download risk assessment reports
- Export data using **Report Generator** datapoints

Component	Risk Assessment Feature Description
Jobs ✓ Jobs	A risk assessment job involves analysis of the potential risks associated with the hazard within a specific environment, industry or process to ensure a safe working environment for workers. In this mode, documentation and reporting is a key principle to identify the risks, the severity of the risk, likelihood of occurrence, exposure, assessment results and control strategies that could involve implementation of safety procedures, engineering controls, administrative controls or provision of personal protective equipment. 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



Component Risk Assessment Feature Description

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.



Access to default Chemwatch settings risk assessment parameters or choose an option from the list of work environments.

Configure Usage



- Laboratory
- Laboratory Administrator
- Industrial Occupancy
- High Hazard
- High Hazard Detached
- Assembly
- Educational
- Institutional
- Business
- Residential
- Mercantile
- Storage
- User Defined

These risk assessment environment settings determine the default parameters for volatility, dustiness, scale of use for liquids or solids, frequency of use, duration of use and operating temperature.

Configure Usage

Settings: Laboratory

Volatility (liquid): medium

Dustiness (solid): Powder

Scale Of Use (liquid): µL

Scale Of Use (solid): mg

Frequency Of Use: daily

Duration Of Use: >4hrs

Operating Temperature: 20

Save Default Reset Cancel

Materials Grid's Chemical Inventory

This is the list of materials added into folder locations to be able to be risk assessed in the Risk Assessment module. The same materials can be accessed in the Home module. The materials are viewable in the risk assessments materials grid with all the respective parameters as default attributes based on risk assessment settings of Chemwatch model (5x5 matrix).

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...	Discharge
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs		
Acetone No Task Defined				20 °C	S L G	medium	µL	daily >4hrs		
BLEACH No Task Defined				20 °C	S L G	medium	µL	daily >4hrs		
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs		

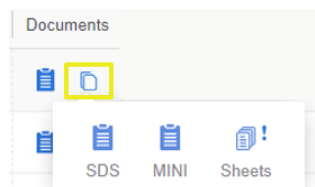
Component

Risk Assessment Toolbar Feature Description

Documents



The documents' icon renders the Risk Assessment Report.



This document's icon provides options to view Vendor SDS, Mini SDS and Control and Guidance Sheets.

Operating Temperature⁰C

The operating temperature ranges between -50⁰C and 450⁰C.

State

This is the default physical state of the chemical based on the material SDS physical properties data.

S L G

- Solid, S
- Liquid, L
- Gas, G

Volatility/ Dustiness

Volatility is the tendency of substances to evaporate, and dustiness involves the generation and release of dust particles into the air especially in industrial or occupational related environment or setting which can pose risks to health, safety and the environment. For example, volatile organic compounds (VOCs) can evaporate from certain liquids or solids into the air and potentially posing health and environmental risks.

Component

Risk Assessment Toolbar Feature Description

Scale of Use

This is the extent or magnitude of quantity of the material or substance. This is the amount of chemical used or stored at the workplace specific to the folder location of the chemical. The unit of measure is dependent on the physical property of the substance; Liquid/Gas or Solid.

Frequency of Use

This determines the frequency of use of the chemical or substance and its duration of use.

Frequency of Use: Daily, weekly, monthly, >monthly, Unknown.

Duration of Use: <30mins, 30-60mins, 1-4hrs, >4hrs, Unknown.

Discharge

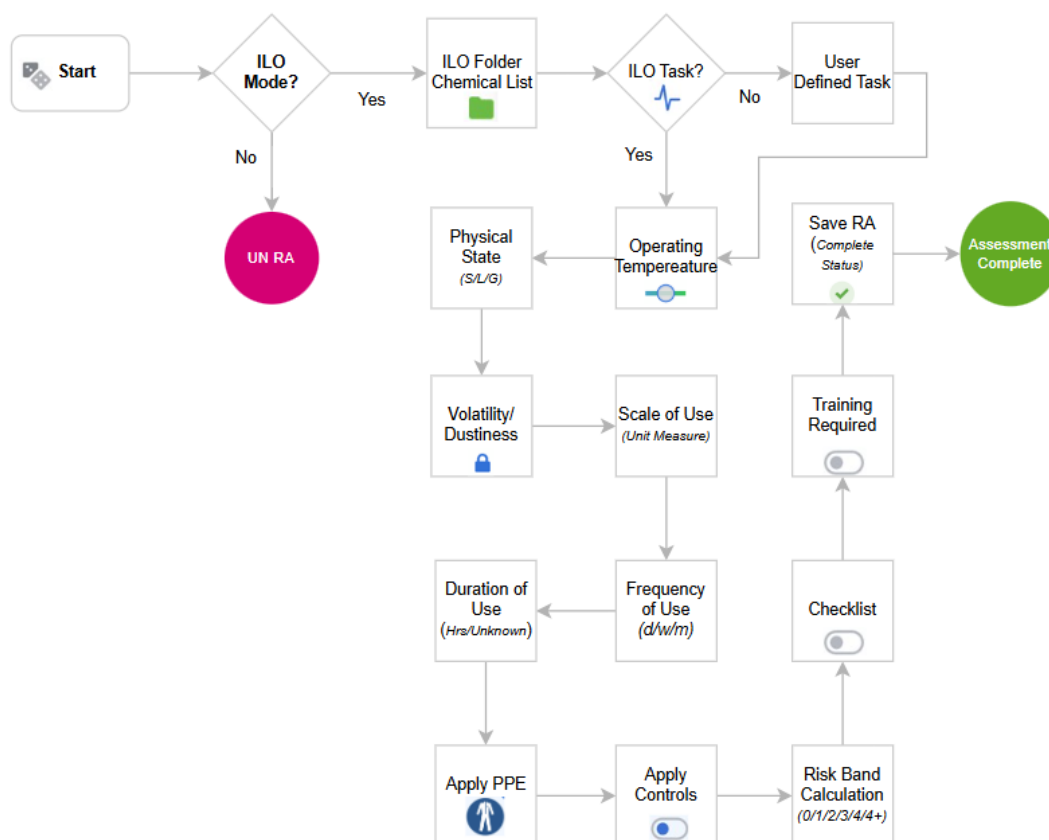
Discharge of chemical can be through air, water or land. Depending on the discharge criteria, the system will generate control approach sheets and guidance documents for reference.

Risk Assessment Process Flow

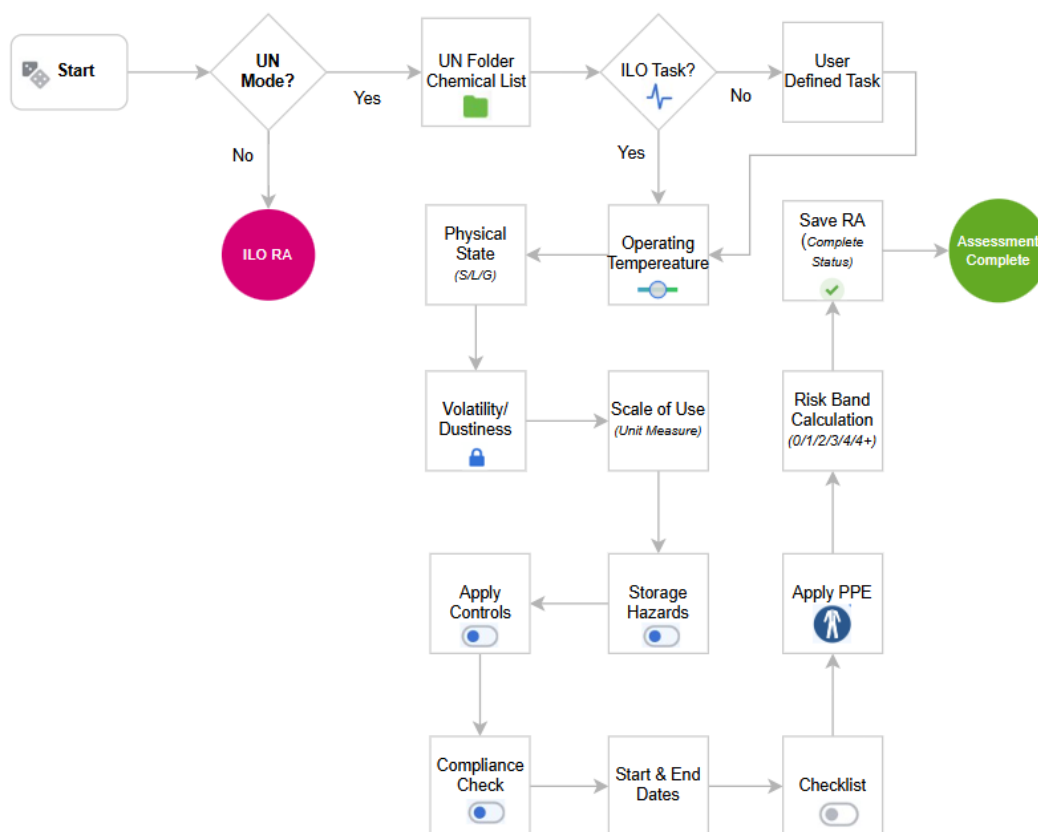
A chemical in the Risk Assessment module is automatically calculated based on the hazard classification criteria by default settings rules.

The chart below illustrates the risk assessment process flow on how to complete a risk assessment of a chemical.

ILO (Health) Risk Assessment Process



UN (Storage) Risk Assessment Process



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: Global Sites/Area/Building/Hazard Chemicals

Risk assessment for: Cleaning / Job name: Bleaching Stone Bench Tops

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach *liquid*

THE HAZARD 3 High

THE RISK 3 High

Controls Adopted

Control: Seek Specialist Advice Training required
Respiratory Protection Factor: 40

Health Surveillance: —

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7881-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	
Body Contact	3	
Reactivity	0	
Chronic	0	

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

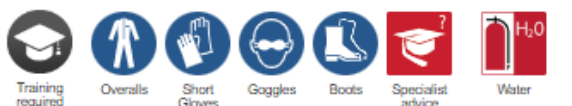
Persons Potentially At Risk are:

- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions

For making the best use of the controls, please follow the checklist below

- Wash your hands before and after eating, drinking or using the lavatory
- Do not use solvents to clean your skin
- Clear up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids and dust, use vacuum cleaning or wet mopping. Dispose of spills safely
- Use, maintain and store any PPE provided in accordance with instructions
- Look for signs of leaks, wear or damage of any equipment used. If you find any problems, tell your supervisor. Don't carry on working if you think there is a problem

PERSONAL PROTECTIVE EQUIPMENT



EMERGENCY

HEALTH HAZARDS



FIRST AID



Precautionary statement(s): Prevention

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s): Response

- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER/doctor/...
- Wash contaminated clothing before reuse.

This one-page summary report contains the sections for the risk assessed chemical.

RA Report Section

Description

Chemical name and risk assessment properties

This section of the report captures the name of the chemical, physical state of the chemical, hazard rating, 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 where applicable.

Chemwatch Hazard Ratings

Chemwatch hazard rating are provided by default if the chemical has classification data based on hazard classification. These rating range from 0 to 4+. A question mark is assigned to chemicals that do not have hazard classification data extracted.

RA Report Section	Description
Hazard Statements	Hazard statements are collated based on GHS hazard classification. Hazard statement is coded with the letter H followed by 3 digits which represents the hazard rating statement as per the hazard classification standard.
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 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 for the chemical based on GHS classification category and DG classification.
Precuationary Statements (Prevention)	Prevention phrase 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 with a precautionary code that begins with the letter P and followed by 3 digits.
Precuationary Statements (Response)	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 generate a Job Report as part of the main Risk Assessment Report.

6.1 Perform a Health Risk Assessment

The following steps show how to perform a health risk assessment for a chemical with physical state, Liquid using the ILO mode  .

Risk Assessments									
Jobs									
 The International Labour Organisation (ILO) has developed a Risk Assessment Model described as "Control Banding". It is based on the Model developed by the UK HSE known as CoshEssentials. Both Agencies adopt the Globally Harmonised System (GHS) for determining chemical hazards. National or Regional variants exist- CLP in Europe and China, HSIS in Australia									
Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs	
Acetone Mixing				25 °C	S L G	high	L	daily >4hrs	
BLEACH No Task Defined				20 °C	S L G	medium	µL	daily >4hrs	
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs	
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	mL	weekly 1-4hrs	

The default hazard rating icon of a chemical within the grid allows users to view the hazard statements and hazard code as per the hazard classification of the chemical.

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs	
Acetone Mixing				25 °C	S L G	high	L	daily >4hrs	
BLEACH No Task Defined				20 °C	S L G	medium	µL	daily >4hrs	
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs	
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	mL	weekly 1-4hrs	

Hazard Rating icon is clickable to view the hazard classification

Hazard Rating Tab for Classification Statements

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use
12.5% Bleach Cleaning				64 °C	S L G	high	L
Acetone Mixing				25 °C	S L G	high	L
BLEACH No Task Defined				20 °C	S L G	medium	µL
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	mL
Glitter Paint No Task Defined				20 °C	S L G	medium	µL

Hazard Rating for 12.5% Bleach

Hazard Rating

Dangerous Goods

H Codes: AUH031, H400, H314

AUH031	Contact with acid liberates toxic gas.
H400	Very toxic to aquatic life.
H314	Causes severe skin burns and eye damage.

Dangerous Goods Tab for Classification

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use
12.5% Bleach Cleaning		✓	3	64 °C	S L G	high	L
Acetone Mixing							L
BLEACH No Task Defined							µL
Cargill Sodium Chloride No Task Defined							mg
FORMALDEHYDE 41% No Task Defined							mL
Glitter Paint No Task Defined							µL

Hazard Rating for 12.5% Bleach

Hazard Rating: **Dangerous Goods**

Primary Class	8
Subrisk	Not Applicable, Not Applicable
Packing Group	III
Shipping Name	HYPOCHLORITE SOLUTION

Steps: Performing a Health Risk Assessment for a Chemical with Physical State; Liquid

GoldFFX Risk Assessments

Jobs: 3 ILO UN

Simple Advanced Query Builder

Full Own Clear

Type in material name, CAS No or CW No

Australia x English x

Search for a folder...

All materials for administrator

- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Laboratory
 - Analytical Lab (2)
 - Organic Chems Cupboard
 - Reagents

Name	Documents	Vendor	Status	Hazard	Part Number	Operating Temperature	State	Volatility/Dustiness
0.1% Trifluoroacetic Acid in Water No Task Defined		Chem-Supply (Honeywell)	✓	0	—	20 °C	S L G	medium
56K-D0094 Dulux Professional Fast Finish... No Task Defined		DuluxGroup	✓	3	—	20 °C	S L G	medium
70% ethanol No Task Defined		Chemwatch	✓	1	1144	20 °C	S L G	medium
acetone No Task Defined (4)		MP Biomedicals	✓	2	333	20 °C	S L G	medium
acetone No Task Defined		Chemwatch	✓	2	1111	20 °C	S L G	medium
acetone No Task Defined		Huntsman	✓	2	—	20 °C	S L G	medium
Acetone No Task Defined		Sigma-Aldrich (Merck)	✓	2	4567	20 °C	S L G	medium
Apparent Rocky 745 Herbicide No Task Defined		AIRR Apparent	✓	0	—	20 °C	S L G	medium
Automotive Diesel Fuel No Task Defined		Chevron (Caltex)	✓	4	—	20 °C	S L G	medium
benzene Bottle Filling		Chemwatch	?	4	—	20 °C	S L G	medium

1. Open **Risk Assessment** module.
2. Click on **Folder** location to list materials.
3. Click the **ILO** mode button on the top middle of the toolbar.
4. Select the **Task icon** under the material name.

5. Choose the specific **Task Name** from the list of tasks.
6. Select the **Task Name radio button** to apply it to the respective guidance sheets checklist.
7. Click the **Save** button. The task name will be displayed under the material name.

Tasks for Acetone ×

☐ Domestic / personal use Search a task... Q

Workplace 6

Weighing

Mixing 5

Transferring

Pesticide Management

Dust Extraction

Sieving

Screening

Surface Coating

Lamination

Dipping

Drying

Pelletizing

High Vapour / Dust generating processes

User Defined

7 Remove Task Save Cancel

Guidance Sheet will be set to G201, G215, G216, G217, G301, G317, G318 Checklist is available

8. **Hover mouse pointer** over the temperature value.
9. Click on the **Temperature text field** and type the applicable value °C.
10. Click the **Scale of Use Unit** and select the appropriate unit measure.
11. Select the **Frequency of Use** for the material and apply the respective frequency from the list; **daily**, weekly, monthly, >monthly or unknown.
12. Select the Frequency of Use for the material and set the time frame; unknown, >4hrs, 1-4hrs, 30-60min, <30min.
13. Select the **Risk Band Rating** icon to open the Risk Band Applied Controls window. Notice the Risk band exclamation icon  that shows that Controls are required for this material.

14. The Risk Rating in this example is 4 (High). Use the applied controls to select that rating 4  **Containment Switch icon** to reduce the risk to a minimum.
15. Select the Training Required switch to apply this category if applicable as per your procedures.
16. Use the **Checklist** to select view default checklisted controls for best use and add more where necessary.
17. **Review the default PPE** applied to the risk assessment controls. Select the checkbox for recommended PPE if applicable.
18. Click the **Save** button Save. Message confirms successful operation.

✓ Success ×

Controls have been applied
19. The risk assessment **Status** is rendered Incomplete. Hover mouse pointer over this question mark icon  for the material.
20. Click the **Assessment Complete**  **Status** to finalise the risk assessment. Message confirms successful operation.



Success



Status was successfully changed

Temperature in °C

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs
Acetone Mixing				25 °C	S L G	medium	µL	daily >4hrs
BLEACH No Task Defined				20 °C	S L G	medium	µL	daily >4hrs
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs

Scale of Use, , milli, litres cubic metre

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs
Acetone Mixing				25 °C	S L G	high	µL	daily >4hrs
BLEACH No Task Defined				20 °C	S L G	medium	mL	daily 1-4hrs
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	µL	daily >4hrs

Frequency of Use – Daily/Monthly/Unknown

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs
Acetone Mixing				25 °C	S L G	high	L	daily >4hrs
BLEACH No Task Defined				20 °C	S L G	medium	mL	daily 1-4hrs
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	µL	daily >4hrs

Frequency of Use – Time range, >4hrs, 1-4hrs, 30-60min, <30min

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs
Acetone Mixing				25 °C	S L G	high	L	daily >4hrs
BLEACH No Task Defined				20 °C	S L G	medium	mL	daily 1-4hrs
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs
FORMALDEHYDE 41% No Task Defined				20 °C	S L G	medium	µL	daily >4hrs

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk
12.5% Bleach Cleaning				64 °C	S L G	high	L	weekly 1-4hrs	
Acetone Mixing				25 °C	S L G	high	L	daily >4hrs	
BLEACH No Task Defined				20 °C	S L G	medium	mL	weekly 1-4hrs	
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg	daily >4hrs	

Risk band for 12.5% Bleach

To reduce the risk to a minimum, confirm you have adopted the recommended controls below as minimum.

Applied Controls

4+

Seek Specialist Advice

4

Containment

3

Local Exhaust / Fume Hood / Physical Barrier

2

General ventilation

1

None Required

Training Required

Checklist

Personal Protective Equipment

☒

Gloves

☒

Eye Protection

☐

Apron

☐

Respiratory Protection

☐

Hearing Protection

☐

Footwear

Select Recommended PPE

Reset

Health Surveillance may be required for: None Identified

Persons potentially at Risk are: Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions.

Save

Cancel

Frequency of Use

Risk Band

weekly 1-4hrs 3 ✓

daily >4hrs 2 ✓

daily >4hrs 2 ✓

daily >4hrs 2 ✓

weekly 1-4hrs 3 ✓

daily >4hrs 0 ✓

daily >4hrs 3 ✓

weekly 1-4hrs 0 ✓

daily >4hrs 0 ✓

daily >4hrs ? ✓

Name

Risk band for 12.5% Bleach

To reduce the risk of exposure to hazardous substances, please follow the checklist below.

Applied Controls

4+

4

3

2

1

Checklist for 12.5% Bleach

For making the best use of the controls, please follow the checklist below

☒ Wash your hands before and after eating, drinking or using the lavatory

☒ Do not use solvents to clean your skin

☒ Clear up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids and dust, use vacuum cleaning or wet mopping. Dispose of spills safely

☒ Use, maintain and store any PPE provided in accordance with instructions

☒ Look for signs of leaks, wear or damage of any equipment used. If you find any problems, tell your supervisor. Don't carry on working if you think there is a problem

☐ Make sure the LEV is switched on and is working

☐ Make sure it is running properly; check the manometer, pressure gauge or tell-tale for the ventilation and the bath thermostat

☐ Make sure the air movement is across or away from your face. Try not to lean into the mixer

Save

Cancel

Frequency Of Use

Risk Band

weekly

1-4hrs

3

✓

daily

>4hrs

2

✓

daily

>4hrs

2

✓

daily

>4hrs

2

✓

weekly

1-4hrs

3

✓

daily

>4hrs

0

✓

daily

>4hrs

3

✓

weekly

1-4hrs

0

✓

daily

>4hrs

0

✓

daily

>4hrs

?

✓

Risk Assessments		Jobs		Assessment Required		Assessment Complete		Review Required		Assessment Incomplete		Assessment Not Required		ILO		UN		Configure Usage	
Name																			
12.5% Bleach	Cleaning	21	?	19	3	64 °C	S L G	high	L	weekly 1-4hrs	3	✓							
Acetone	Mixing		?	2		25 °C	S L G	high	L	daily >4hrs	2	✓							
BLEACH	No Task Defined		✓	3		20 °C	S L G	medium	µL	daily >4hrs	2	✓							

Health Risk Assessment Report

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching Stone Bench Tops

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 3 High** **Controls Adopted** **Control: Seek Specialist Advice Training required** **Health Surveillance: —** **Respiratory Protection Factor: 40**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	
Body Contact	3	

0 = Minimum
1 = Low
2 = Moderate

PERSONAL PROTECTIVE EQUIPMENT

Training required Overall Short Gloves Goggles Boots Specialist advice Water

EMERGENCY

HEALTH HAZARDS **FIRST AID**

Operating Temperature: 64 C° Volatility/Dustiness: high Scale Of Use: litres Frequency Of Use: weekly, 1-4 hrs

Code: JHB10 Assessed By: beehivecedric Approved By: administrator Operating Procedure: SOP JHB10

Job Name: Date: 12/06/2024 Signed: Signed: 15/05/2024 03:31:54 15/05/2024 04:58:42

Version number: 6 Reassess: 12/06/2025 Persons Exposed: Person1, Person2

Hi, would you like some help finding a product?

6.1.1 Approval of a Risk Assessment

A risk assessment approval process generally involves risk identification, procedural reviews, control approaches, personal protective equipment, monitoring and evaluation and reporting.

The system allows users to sign off on their risk assessments and obtain approval from supervisors or health and safety managers by simply applying a soft signature and share(email) the risk assessment report for approval.

✓ Risk Assessments

Jobs

Print

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching Stone Bench Tops

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 3 High** **Controls Adopted**
Control: Seek Specialist Advice Training required **Health Surveillance: —**
Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	

0 = Minimum

PERSONAL PROTECTIVE EQUIPMENT

Training required Overalls Short Gloves Goggles Boots Specialist advice Water

EMERGENCY

Water

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 the above section.

Steps: Generate Approval of a Risk Assessment

✓ Risk Assessments

Jobs

✓ ILO

UN

Configure Usage

☐	Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
☐	12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3 ✓
☐	Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2 ✓
☐	BLEACH No Task Defined			3	20 °C	S L G	medium	mL	weekly 1-4hrs	1 ✓

- Click on the **Risk Assessment Report** icon  in the Chemical Name column.
- Fill up the **Fields for the job code**, assessment date, reassessment date, persons exposed, assessed by, upload a soft signature and operating procedure (optional).
- Click the **Save** button . Message displays successful operation.
- Click the **Jobs** button on the risk assessment toolbar at the top middle area of the user interface. Take note that the task name of the job is applied on the top right area of the risk assessment report.
- Select the **Job Task Name** from the folder panel.
- Click on the **Job Report** button on the right area of the risk assessment toolbar.
- Fill in the **PPE Procedure, Job Operating Procedure, Control Procedure** for the Job.
- Click the **Save** button  to save the job report. Message displays successful operation.
- Click the **Back** button at the top left corner of the report to go back to the Jobs mode.
- Click on the **Risk Assessment** button on the toolbar to go back to the main risk assessment page.

✓ Success
RA Report was saved

✓ Success
Job Report was saved

The screenshot shows the 'Beehive' Job Assessments interface. On the left, a sidebar contains navigation options: Home, Risk Assessments (selected), Label Designer, and AuthorTe. The 'Risk Assessments' sidebar shows a tree view of jobs, with 'Cleaning' under 'Bleaching materials' highlighted. The top navigation bar includes 'Risk Assessments', 'Jobs', 'Job Report', and 'Print Out'. The main table displays job details for '12.5% Bleach Cleaning', including documents, hazard level (3), operating temperature (64°C), state (S_L_G), volatility (high), scale of use (L), frequency (weekly 1-4hrs), risk level (3), and discharge status (compatible).

[< Back](#)

Process Report

12/06/2024

Number of tasks performed: 1

Job Name: **Bleaching materials**

Hazard: 3 **High**

Risk: 3 **High**

Status: Assessment Complete

Re-assess date: **11/06/2024**

Adopted control(s): **Seek Specialist Advice**

* Please refer to Task List below for Detailed information on Controls

PPE:

* Please refer to Task List below for Detailed information on PPE

PPE Procedure	Job Operating Procedure	Control Procedure

For detailed information on each Task/Process please see below

Chemical Name	Task	Hazard Rating	Risk Rating	Controls	Controls PPE
12.5% Bleach	Cleaning	3	3	Adopted control(s): Seek Specialist Advice	

Open Risk Assessment Page

The screenshot shows the 'Risk Assessments' page in the Chemwatch interface. The 'Risk Assessments' tab is highlighted. Below it, the 'Jobs' filter is selected. The main table displays a list of risk assessments with columns for Name, Documents, State, Hazard, Operating Temperature, State, Volatility/Dustiness, Scale of use, Frequency Of Use, and Risk B... (Risk Score). The first row shows '12.5% Bleach Cleaning' with a risk score of 3.

6.1.2 Print Risk Assessment Report

The following steps demonstrate how to print a risk assessment report.

Steps: Print Risk Assessment Report

This screenshot shows the 'Risk Assessments' page with the 'Jobs' filter selected. The 'Print' button is highlighted in the top right area of the interface, next to the 'Share' and 'Download' buttons.

1. Click on the **Risk Assessment Report** icon  in the Chemical Name column.
2. Click on the **Print** button  on the top right area of the user interface.
3. Use the acrobat reader program to **download (save)** the report or print.
4. Select **folder destination** on your drive extension to save report.
5. Enter the **Filename** in the dialogue box.
6. Click on the **Report** name to display the risk assessment report from your folder location.

This screenshot shows the 'HEALTH RISK ASSESSMENT REPORT' for '12.5% Bleach liquid'. The report includes the following information:

- THE HAZARD** 3 High
- THE RISK** 3 High
- Controls Adopted**: Control: Seek Specialist Advice Training required Respiratory Protection Factor: 40
- Health Surveillance**: —
- INGREDIENTS**:

	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—
- Warning** - Dangerous in contact with skin and/or eyes
- Chemwatch Hazard Ratings**:

	Min	Max
Flammability	0	0
Toxicity	0	0
Body Contact	3	3
- PERSONAL PROTECTIVE EQUIPMENT**: Training required, Overalls, Short Gloves, Goggles, Boots, Specialist advice, Water.
- EMERGENCY**: Water.
- HEALTH HAZARDS**: Training required, Overalls, Short Gloves, Goggles, Boots, Specialist advice, Water.
- FIRST AID**: Training required, Overalls, Short Gloves, Goggles, Boots, Specialist advice, Water.
- Operating Temperature**: 64 °C
- Volatility/Dustiness**: high
- Scale Of Use**: litres
- Frequency Of Use**: weekly, 1-4 hrs
- Code**: JHB10
- Job Name**: beehivecedric
- Date**: 12/06/2024
- Version number**: 8
- Reassess**: 12/06/2024
- Persons Exposed**: Person1, Person2
- Assessed By**: beehivecedric
- Approved By**: administrator
- Operating Procedure**: SOP JHB10
- Signed**: [Signature]
- Signed**: [Signature]
- Save** button

Print Window

Risk_Assessments_12.5 Bleach_12_06_2024_17-37... 1 / 1 94%

3

1

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching materials

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High THE RISK 3 High

Controls Adopted
Control: Seek Specialist Advice Training required
Respiratory Protection Factor: 40

Health Surveillance: —

INGREDIENTS	CAS NO	%	BHR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	0
Toxicity	0	0
Body Contact	3	3
Reactivity	0	0
Chronic	0	0

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

Persons Potentially At Risk are:

- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions

PERSONAL PROTECTIVE EQUIPMENT

Training required, Overalls, Short Gloves, Goggles, Boots, Specialist advice, Water

HEALTH HAZARDS

Burns, Severe Burns, Very toxic: Aquatic

FIRST AID

Precautionary statement(s): Prevention

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly

Precautionary statement(s): Response

- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Cancel

Save File to Destination Folder

Print Window

Risk_Assessments_12.5 Bleach_12_06_2024_17-37... 1 / 1 94%

4

5

File name: Risk_Assessments_ Bleach Job Report

Save as type: PDF WED JUN 12 2024 17:37:28 File

6

Save

Cancel

Persons Exposed: Person1, Person2

15/05/2024 03:31:54 15/05/2024 04:58:42

Downloaded Health Risk Assessment Report

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching materials

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD **3** High THE RISK **3** High Controls Adopted Control: Seek Specialist Advice Training required Respiratory Protection Factor: 40 Health Surveillance: —

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	0
Toxicity	0	0
Body Contact	3	3
Reactivity	0	0
Chronic	0	0

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

Persons Potentially At Risk are:

- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions

PERSONAL PROTECTIVE EQUIPMENT

Training required, Overalls, Short Gloves, Goggles, Boots, Specialist advice, Water

HEALTH HAZARDS

Burns, Severe Burns, Very toxic: Aquatic

FIRST AID

Precautionary statement(s): Prevention

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s): Response

- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER/doctor/...
- Wash contaminated clothing before reuse.

OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF USE	FREQUENCY OF USE
64 °C	high	litres	weekly, 1-4hrs

Code: JHB10 Assessed By: beehivecedric Approved By: administrator OPERATING PROCEDURE: SOP JHB10
Job name: Bleaching materials

6.1.3 Share (Email) Risk Assessment Report

The following steps demonstrate how to share (email) a risk assessment report.

Steps: Share (email) Risk Assessment Report

Risk Assessments		ILO		Jobs		UN		Configure Usage	
Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3
Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2
BLEACH No Task Defined			3	20 °C	S L G	medium	mL	weekly 1-4hrs	1

- Click on the **Risk Assessment Report** icon in the Chemical Name column.
- Click on the **Share** button on the top right area of the user interface.
- Fill in the **Share Fields**, recipient's email address, subject line and any comments.

- Click on the **Share** Button to send the email to the recipient. Confirmation message displayed for the successful operation.

Success
The document has been sent.

✓ Risk Assessments

Jobs

Print **Share** Download

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching materials

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 3 High** Controls Adopted Control: Seek Specialist Advice Training required Health Surveillance: — Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

Flammability 0 Min Max
Toxicity 0 0 = Minimum 1 = Low 2 = Moderate
Body Contact 3

PERSONAL PROTECTIVE EQUIPMENT

Training required Overall Short Gloves Goggles Boots Specialist advice Water

HEALTH HAZARDS **FIRST AID**

Operating Temperature 64 C° Volatility/Dustiness high Scale Of Use litres Frequency Of Use weekly, 1-4 hrs

Code JHB10 Assessed By beehivecedric Approved By administrator Operating Procedure SOP JHB10

Job Name Date 12/06/2024 Signed Signed

Version number 8 Reassess 12/06/2024

Persons Exposed Person1, Person2 15/05/2024 03:31:54 15/05/2024 04:58:42

Save Cancel

Main Documents
SDS
MINI
RA Report

Alternative Documents
Chemwatch SDS
Chemwatch MINI

Fill Share Fields to Send an Email Attachment of the Report

✓ Risk Assessments

Jobs

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching materials

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 3 High** Controls Adopted Control: Seek Specialist Advice Training required Health Surveillance: — Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

Flammability 0 Min Max
Toxicity 0 0 = Minimum 1 = Low 2 = Moderate
Body Contact 3

PERSONAL PROTECTIVE EQUIPMENT

Training required Overall Short Gloves Goggles Boots Specialist advice Water

HEALTH HAZARDS **FIRST AID**

Operating Temperature 64 C° Volatility/Dustiness high Scale Of Use litres Frequency Of Use weekly, 1-4 hrs

Code JHB10 Assessed By beehivecedric Approved By administrator Operating Procedure SOP JHB10

Job Name Date 12/06/2024 Signed Signed

Version number 8 Reassess 12/06/2024

Persons Exposed Person1, Person2 15/05/2024 03:31:54 15/05/2024 04:58:42

Share

Please separate multiple recipients emails with comma(s)

* To: supervisor@chemwatch.net

From: noreply@chemwatch.net

* Subject: RA Report - Bleach

Reply to: Please input an email for a reply

Comments: Please find the attached the Risk Assessment Report for 12.5% Bleach liquid chemical for your approval.

Share Cancel

Risk Assessments				ILO				Configure Usage			
Jobs				UN							
Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge		
Lithium Ion Batteries No Task Defined				20 °C	S L G	high	mL				

Clicking on this icon for any material classified as DGC7 or DGC9 will display the Hazard and DG classification summary window and a warning message on the top right corner of the user interface.

The screenshot shows the 'Hazard Rating for Lithium Ion Batteries' window. The 'Dangerous Goods' tab is selected. The table below shows the hazard classification details:

Hazard Rating	
Primary Class	No Data
Subrisk	No Data, No Data
Packing Group	No Data
Shipping Name	No Data

A warning message is displayed in the top right corner: "Warning: This Chemical is not covered by this Risk Assessment mode".

- 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.

The default hazard rating icon of a chemical within the grid allows users to view the hazard statements and hazard code as per the hazard classification of the chemical.

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3
Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2
BLEACH No Task Defined			3	20 °C	S L G	medium	μL	daily >4hrs	2
Cargill Sodium Chloride Food-Industrial ... No Task Defined			3	20 °C	S L G	powder	mg	daily >4hrs	2
FORMALDEHYDE 41% No Task Defined			4+	20 °C	S L G	medium	mL	weekly 1-4hrs	3

Hazard Rating icon is clickable to view the hazard classification

Hazard Rating Tab for Classification Statements

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use
12.5% Bleach Cleaning			3	64 °C	S L G	high	L
Acetone Mixing							L
BLEACH No Task Defined							μL
Cargill Sodium Chloride No Task Defined							mg
FORMALDEHYDE 41% No Task Defined							mL
Glitter Paint No Task Defined							μL

Hazard Rating		Dangerous Goods
H Codes: AUH031, H400, H314		
AUH031	Contact with acid liberates toxic gas.	
H400	Very toxic to aquatic life.	
H314	Causes severe skin burns and eye damage.	

Dangerous Goods Tab for Classification

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use
12.5% Bleach Cleaning			3	64 °C	S L G	high	L
Acetone Mixing							L
BLEACH No Task Defined							μL
Cargill Sodium Chloride No Task Defined							mg
FORMALDEHYDE 41% No Task Defined							mL
Glitter Paint No Task Defined							μL

Hazard Rating		Dangerous Goods
Primary Class	8	
Subrisk	Not Applicable, Not Applicable	
Packing Group	III	
Shipping Name	HYPOCHLORITE SOLUTION	

The following steps illustrate how to perform a risk assessment for a chemical based on **Storage (UN)**.

Steps: Perform Dangerous Goods Risk Assessment

The screenshot shows the 'beehive' software interface. In the top right, the 'UN' mode button is selected. The main table lists chemicals with columns for Name, Documents, St..., Hazard, Storage Temperature, State, Volatility/Dustiness, Scale of use, and Risk B... The '12.5% Bleach' entry is highlighted with a yellow box. The left sidebar shows the 'Risk Assessments' module selected.

1. Open **Risk Assessment** module.
2. Click on **Folder** location to list materials.
3. Click the **UN** mode button on the top middle of the toolbar.

5. Choose the specific **Task Name** from the list of tasks.
6. Select the **Task Name** radio button to apply it to the respective guidance sheets checklist.

4. Select the **Task icon**  under the material name.

7. Click the **Save** button . The task name will be displayed under the material name.

Tasks for 12.5% Bleach ×

☐ Minor storage Search a task... 

Storage 6

- ☒ General Storage
Guidance Sheet will be set to G101. Checklist is available
- ☐ Open bulk storage
Guidance Sheet will be set to G102. Checklist is available

 Remove Task 7  

8. **Hover mouse pointer** over the temperature value.
9. Click on the **Temperature text field** and type the applicable value °C.
10. Click the **Scale of Storage Unit** and select the appropriate unit measure.
11. Select the **Risk Band Rating** icon to open the Risk Band Applied Controls window. Notice the Risk band exclamation icon  that shows that Controls do not match. The risk band is automatically calculated by default.
12. The Risk Rating in this example is 4 (High). Use the Dangerous Goods Controls to **check if the hazards have been considered** for storage of the chemical.
13. Select the applicable **Engineering** and/or **Administrative Controls** by turning the switch on .
14. Ensure that the **Compliance Check** has been done by turning the respective **Yes/No** switch .

15. Set the **Start and End Dates** of the risk assessment.
16. Click the **Checklist** link to open the list of best use of controls and select appropriate controls to minimise risks or turn the **Switch** on  to automatically select all recommended checklist items.
17. **Review the default Chemwatch Recommended PPE** applied to the risk assessment controls. Select the checkbox for recommended PPE if applicable.
18. **Add comments** on the Comments section.
19. Click the **Save** button . Message confirms successful operation.
20. The risk assessment **Status** is rendered Incomplete. Hover mouse pointer over this question mark icon  for the material.
21. Click the **Assessment Complete Status**  to finalise the risk assessment. Message confirms successful operation.



Success



Status was successfully changed

Name	Documents	St...	H	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage		?	3	20 °C	S L G	medium	L	4	
Acetone No Task Defined		✓	3	20 °C	S L G	medium	μL	1	✓

Scale of Storage, micro (μ), milli (m), litres (l) cubic metre (m³)

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage		?	3	20 °C	S L G	medium	L	4	
Acetone No Task Defined		✓	3	20 °C	S L G	medium	μL	1	✓
BLEACH No Task Defined		✓	0	20 °C	S L G	medium	mL	0	✓
Cargill Sodium Chloride Food-Industrial ... No Task Defined		✓	0	20 °C	S L G	powder	mg	0	✓

Risk Bank Rating and Controls Required

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage		?	3	20 °C	S L G	medium	L	4	
Acetone No Task Defined		✓	3	20 °C	S L G	medium	μL	1	✓
BLEACH No Task Defined		✓	0	20 °C	S L G	medium	mL	0	✓
Cargill Sodium Chloride Food-Industrial ... No Task Defined		✓	0	20 °C	S L G	powder	mg	0	✓

Risk Band Rating and Controls

Dangerous Goods Controls for 12.5% Bleach, Dangerous goods class 8

Have You Considered

- ☒ Toxic by skin/eye contact
- ☒ Corrosivity
- ☒ Hazardous decomposition products

Comments

Chemical hazards have been taken into account and procedures are in place to ensure health and safety as per administrative and engineering controls about the chemical storage in the medium term.

Controls

Engineering Controls ☒

Administrative Controls ☒

Compliance Check

Completed? ☒ Yes

Start date: End date:

To apply risk band you should check all 'Considered Items', one of 'Controls' and set 'Compliance Check' to true

Checklist ☒

Personal Protective Equipment

☒ Select Recommended PPE

Save **Cancel**

Dangerous Goods Checklist

Dangerous Goods Controls for 12.5% Bleach, Dangerous goods class 8

Have

☒ To

☒ C

☒ H

pr

Contr

Engin

Admin

Comp

Comp

17/0

To ap

'Cons

set 'C

Check

Checklist for 12.5% Bleach

For making the best use of the controls, please follow the checklist below

☒ Wash your hands before and after eating, drinking or using the lavatory

☒ Do not use solvents to clean your skin

☒ Clear up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids and dust, use vacuum cleaning or wet mopping. Dispose of spills safely

☒ Use, maintain and store any PPE provided in accordance with instructions

☒ Make sure the ventilation system is switched on and is working

☒ Look for signs of leaks, wear or damage of any equipment used. If you find any problems, tell your supervisor. Don't carry on working if you think there is a problem

☐ Make sure that paper bags and other waste aren't drawn into the ventilation system

☐ Make sure that all required items are placed in the air lock before starting work

Don't stack materials against air vents, grills etc. Handle all packages and containers carefully

Save Cancel

Controls Adopted

When **Controls** are adopted after saving, a green tick  will display on the risk band column cell for the successful operation and the **Risk Band** calculated will be reflected as shown below.

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage				20 °C	S L G	medium	L		
Acetone No Task Defined				20 °C	S L G	medium	µL		
BLEACH No Task Defined				20 °C	S L G	medium	mL		
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg		

After completing the risk assessment, the status is shown as “Risk Assessment Complete” .

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage				20 °C	S L G	medium	L		
Acetone No Task Defined				20 °C	S L G	medium	µL		
BLEACH No Task Defined				20 °C	S L G	medium	mL		
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg		

Follow the steps to generate the Dangerous Goods Risk Assessment Report.

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge
12.5% Bleach General Storage				20 °C	S L G	medium	L		
Acetone No Task Defined				20 °C	S L G	medium	µL		
BLEACH No Task Defined				20 °C	S L G	medium	mL		
Cargill Sodium Chloride Food-Industrial ... No Task Defined				20 °C	S L G	powder	mg		

22. Click the **Documents** icon alongside the chemical name to open the Dangerous Goods Risk Assessment Report.

23. Fill up the **Fields for the job code**, assessment date, reassessment date, persons exposed, assessed by, upload a soft signature and operating procedure (optional).

24. Click the **Save** button . Message displays successful operation.

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: General Storage / Job name: DGC8 Storage

DANGEROUS GOODS RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 2 Moderate** Controls Required Control: Engineering Controls, Administrative Controls Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	
Body Contact	3	
Reactivity	0	

0 = Minimum
1 = Low
2 = Moderate
3 = High

EMERGENCY

Water

HEALTH HAZARDS

FIRST AID

Operating Temperature: 20 °C

Volatility/Dustiness: medium

Scale Of Storage: litres

Code: DG RA S1

Job Name: DGC8 Storage

Date: 19/06/2024

Version number: 2

Reassess: 19/06/2025

Persons Exposed: 1

Assessed By: beehivecedric

Approved By: administrator

Signed:

Signed:

Operating Procedure: DGC8 Storage for DG RA S1

19/06/2024 05:18:15 19/06/2024 05:18:15

Save Cancel

Main Documents

- SDS
- MINI
- RA Report

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI

Dangerous Goods Risk Assessment Report

The DG Risk Assessment Report is a one-page colour coded document with the header of the document showing the risk assessment risk band colour coding. This report has the following sections:

- Identification of the material
- Hazard ratings
- Hazard statements
- Controls adopted

- Personal protective equipment
- First aid
- Person's potential at risk
- Precautionary statements
- Emergency graphics
- GHS and DG graphics
- Approvals form

< Back Track

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: General Storage / Job name: DGC8 Storage

DANGEROUS GOODS RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 2 Moderate** Controls Required
Control: Engineering Controls, Administrative Controls Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	
Body Contact	3	
Reactivity	0	
Chronic	0	

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

For making the best use of the controls, please follow the checklist below

- Make sure the room is well ventilated, and any extraction or air supply is switched on and working
- Look for signs of leaks, wear or damage of any equipment used. If you find any problems, tell your

EMERGENCY

Water

HEALTH HAZARDS

Burns Severe Burns Very toxic Aquatic

FIRST AID

Precautionary statement(s): Prevention

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly after handling.
- Wear protective gloves, protective clothing, eye

Precautionary statement(s): Response

- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or

Main Documents

- SDS
- MINI
- RA Report

Alternative Documents

- Chemwatch SDS
- Chemwatch MINI

6.2.1 Print Dangerous Goods Risk Assessment Report

The following steps demonstrate how to print a Dangerous Goods Risk assessment report.

Steps: Print Risk Assessment Report

✓ Risk Assessments

Jobs

✓ ILO ⓘ

UN ⓘ

ⓘ ⓘ ⓘ
ⓘ ⓘ ⓘ
ⓘ ⓘ ⓘ

Configure Usage

☐	Name ▾ ⓘ ▾	Documents	St... ▾ ▾	Hazard ▾ ▾	Operating Temperature ▾ ▾	State ▾ ▾	Volatility/ Dustiness ▾	Scale of use ▾	Frequency Of Use ▾ ▾	Risk B... ▾ ⓘ
☐	12.5% Bleach 🟢 Cleaning	1	✓	3	64 °C	S <u>L</u> G	high	L	weekly 1-4hrs	3 ✓
☐	Acetone 🟢 Mixing		?	2	25 °C	S <u>L</u> G	high	L	daily >4hrs	2 ✓
☐	BLEACH 🔴 No Task Defined		✓	3	20 °C	S <u>L</u> G	medium	mL	weekly 1-4hrs	1 ✓

1. Click on the **Risk Assessment Report** icon in the Chemical Name column.
2. Click on the **Print** button on the top right area of the user interface.
3. Use the acrobat reader program to **download (save)** the report or print.
4. Select **folder destination** on your drive extension to save report.
5. Enter the **Filename** in the dialogue box.
6. Click on the **Report** name to display the risk assessment report from your folder location.

✓ Risk Assessments

Jobs

Print Share Download

< Back

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: General Storage / Job name: DGC8 Storage

DANGEROUS GOODS RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 2 Moderate** **Controls Required**
Control: Engineering Controls, Administrative Controls **Respiratory Protection Factor: 40**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	—
Toxicity	0	—
Body Contact	3	—
Reactivity	0	—

0 = Minimum
1 = Low
2 = Moderate
3 = High

EMERGENCY
Water

HEALTH HAZARDS **FIRST AID**

Operating Temperature: 20 C° Volatility/Dustiness: medium Scale Of Storage: litres

Code: DG RA S1 Assessed By: behivecedric Approved By: administrator Operating Procedure: DGC8 Storage for DG RA S1

Job Name: DGC8 Storage Signed: Signed

Date: 19/06/2024 Signed: Signed

Version number: 2

Reassess: 19/06/2025

Persons Exposed: 1

19/06/2024 05:18:15 19/06/2024 05:18:15

Save Cancel

Download File and Save Report in PDF format.

Print Window

Risk_Assessments_12.5 Bleach_12_06_2024_17-37... 1 / 1 94% + -

3

Download Print

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: Cleaning / Job name: Bleaching materials

HEALTH RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 3 High** **Controls Adopted**
Control: Seek Specialist Advice Training required **Health Surveillance: —**
Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	—
Toxicity	0	—
Body Contact	3	—
Reactivity	0	—
Chronic	0	—

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

Persons Potentially At Risk are:

- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions

PERSONAL PROTECTIVE EQUIPMENT

Training required Overalls Short Gloves Goggles Boots Specialist advice Water

HEALTH HAZARDS **FIRST AID**

Burns Severe Burns Very toxic: Aquatic

Precautionary statement(s): Prevention **Precautionary statement(s): Response**

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly
- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Cancel

The Risk Assessment Materials grid will reflect the a “Yes” text in the Signed Column if the approval form has been filled and signed off or blank” cell for empty approval form.

bee hive

Risk Assessments

Jobs

ILO

UN

Job Report

Job / Task Search

Expand Collapse

Home

Risk Assessments

Jobs

storage warehouse A

Work conducted on Workbench or in Cup

testing 2

Work conducted on Workbench or in Cup

DGC8 Storage

General storage

Testing A

Work conducted on Workbench or in Cup

Testing

Work conducted on Workbench or in Cup

Name

12.5% Bleach

General Storage

Documents

St...

Hazard

Storage Temperature

20 °C

State

S L G

Volatility/Dustiness

medium

Scale of st...

L

Risk B...

2

Discharge

Signed

Yes

Downloaded Risk Assessment Report – Signed Off by Assessor and Approver.

Location: Global Sites/Area/Building/Hazard Chemicals Risk assessment for: General Storage / Job name: DGC8 Storage

DANGEROUS GOODS RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 2 Moderate** **Controls Required**
Control: Engineering Controls, Administrative Controls **Respiratory Protection Factor: 40**

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	0
Toxicity	0	0
Body Contact	3	3
Reactivity	0	0
Chronic	0	0

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme

Hazard statement(s):

- Contact with acid liberates toxic gas.
- Very toxic to aquatic life.
- Causes severe skin burns and eye damage.

For making the best use of the controls, please follow the checklist below

- Make sure the room is well ventilated, and any extraction or air supply is switched on and working
- Look for signs of leaks, wear or damage of any equipment used. If you find any problems, tell your supervisor. Don't carry on working if you think there is a problem
- Wash your hands before and after eating, drinking or using the lavatory
- Do not use solvents to clean your skin
- Clear up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids and dust, use vacuum cleaning or wet mopping. Dispose of spills safely
- Make sure the ventilation system is switched on and is working
- Don't stack materials against air vents, grills etc. Handle all packages and containers carefully to minimise spills
- 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

EMERGENCY

Water

HEALTH HAZARDS

Burns Severe Burns Very Toxic Aquatic

FIRST AID

Precautionary statement(s): Prevention

- Avoid release to the environment.
- Do not breathe mist/vapours/spray.
- Wash all exposed external body areas thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s): Response

- Collect spillage.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER/doctor...
- Wash contaminated clothing before reuse.

OPERATING TEMPERATURE	VOLATILITY/DUSTINESS	SCALE OF STORAGE
20 °C	medium	litres

Code: DG RA S1

Job name: DGC8 Storage

Date: 19/06/2024

Version number: 2

Reassess: 19/06/2024

No. Persons Exposed: 1

Assessed By: beehiveadmin
Signed: [Signature]
19/06/2024 05:18:15

Approved By: administrator
Signed: [Signature]
19/06/2024 05:18:15

OPERATING PROCEDURE:
DGC8 Storage for DG RA S1

6.2.2 Generate a Job for a Risk Assessment

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 hazards 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 identify potential hazards for each task to determine preventative measures and controls to manage those hazards and reduce any potential risks. To handle such work-tasks in the system, the risk assessment module contains a subsidiary mode called **Jobs**.

DANGEROUS GOODS RISK ASSESSMENT REPORT

12.5% Bleach liquid

THE HAZARD **3** High THE RISK **2** Moderate Controls Required: Engineering Controls, Administrative Controls Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	0	
Body Contact	3	
Reactivity	0	

0 = Minimum
1 = Low
2 = Moderate
3 = High

EMERGENCY

Water

HEALTH HAZARDS

FIRST AID

Operating Temperature: 20 °C

Volatility/Dustiness: medium

Scale Of Storage: litres

Code: DG RA S1

Job Name: DGC8 Storage

Date: 19/06/2024

Version number: 2

Reassess: 19/06/2025

Persons Exposed: 1

Assessed By: beehivecedric

Approved By: administrator

Signed: [Signature]

Signed: [Signature]

Operating Procedure: DGC8 Storage for DG RA S1

19/06/2024 05:18:15 19/06/2024 05:18:15

Save Cancel

The Risk Assessment module allows users to sign off on their risk assessments and obtain approval from supervisors or health and safety managers by simply applying a soft signature and share (email) the risk assessment report for approval. In turn, the approver will sign off the risk assessment with a soft signature. The following steps show how to use the approvals form to sign off a risk assessment as an assessor.

Steps: Generate Approval of a Risk Assessment

✓ Risk Assessments

Jobs

✓ ILO

UN

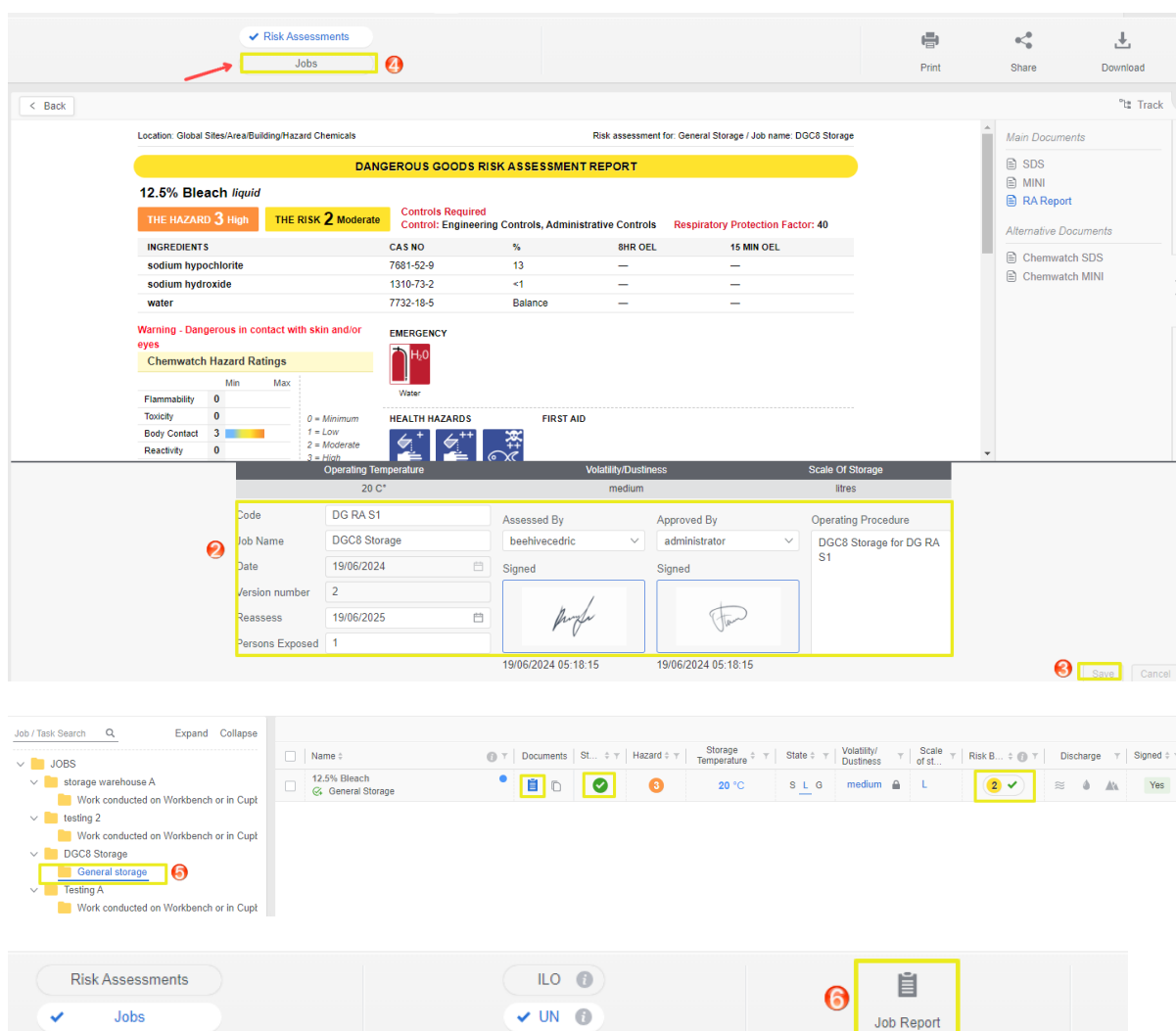
Configure Usage

☐	Name ▾		Documents	St... ▾	Hazard ▾	Operating Temperature ▾	State ▾	Volatility/ Dustiness ▾	Scale of use ▾	Frequency Of Use ▾	Risk B... ▾
☐	12.5% Bleach Cleaning	1			3	64 °C	S L G	high	L	weekly 1-4hrs	3
☐	Acetone Mixing				2	25 °C	S L G	high	L	daily >4hrs	2
☐	BLEACH No Task Defined				3	20 °C	S L G	medium	mL	weekly 1-4hrs	1

1. Click on the **Risk Assessment Report** icon  in the Chemical Name column.
2. Fill up the **Fields for the job code**, assessment date, reassessment date, persons exposed, assessed by, upload a soft signature and operating procedure (optional).
3. Click the **Save** button . Message displays successful operation.
4. Click the **Jobs** button on the risk assessment toolbar at the top middle area of the user interface. Take note that the task name of the job is applied on the top right area of the risk assessment report.
5. Select the **Job Task Name** from the folder panel.
6. Click on the **Job Report** button on the right area of the risk assessment toolbar.
7. Fill in the **PPE Procedure, Job Operating Procedure, Control Procedure** for the Job.
8. Click the **Save** button  to save the job report. Message displays successful operation.
9. Click the **Back** button at the top left corner of the report to go back to the Jobs mode.
10. Click on the **Risk Assessment** button on the toolbar to go back to the main risk assessment page.

✓ Success
RA Report was saved

✓ Success
Job Report was saved



12.5% Bleach liquid

THE HAZARD 3 High **THE RISK 2 Moderate** Controls Required: Engineering Controls, Administrative Controls Respiratory Protection Factor: 40

INGREDIENTS	CAS NO	%	8HR OEL	15 MIN OEL
sodium hypochlorite	7681-52-9	13	—	—
sodium hydroxide	1310-73-2	<1	—	—
water	7732-18-5	Balance	—	—

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	0
Toxicity	0	0
Body Contact	3	3
Reactivity	0	0

0 = Minimum
1 = Low
2 = Moderate
3 = High

EMERGENCY
Water

HEALTH HAZARDS
FIRST AID

Operating Temperature 20 C° **Volatility/Dustiness** medium **Scale Of Storage** litres

Code: DG RA S1
Job Name: DGC8 Storage
Date: 19/06/2024
Version number: 2
Reassess: 19/06/2025
Persons Exposed: 1

Assessed By: beehivecedric
Approved By: administrator
Signed: [Signature]
Signed: [Signature]

Operating Procedure: DGC8 Storage for DG RA S1

19/06/2024 05:18:15 19/06/2024 05:18:15

Save Cancel

Job / Task Search Expand Collapse

JOBS

- storage warehouse A
 - Work conducted on Workbench or in Cup
- testing 2
 - Work conducted on Workbench or in Cup
- DGC8 Storage
 - General storage** 6
 - Testing A
 - Work conducted on Workbench or in Cup

Risk Assessments

Jobs

ILO

UN

Job Report

Job Report

[< Back](#)

Process Report

Number of tasks performed: 1 19/06/2024

Job Name: DGC8 Storage
 Hazard: 3 High
 Risk: 2 Moderate
 Status: Assessment Complete
 Re-assess date: 18/06/2024

Adopted control(s): Engineering Controls
 * Please refer to Task List below for Detailed information on Controls

PPE:

PPE Procedure	Job Operating Procedure	Control Procedure

For detailed information on each Task/Process please see below

Chemical Name	Task	Hazard Rating	Risk Rating	Controls	Controls PPE
12.5% Bleach	General Storage	3	2	Adopted control(s): Engineering Controls, Administrative Controls	

PPE Procedure

Job Operating Procedure

Control Procedure

[Save](#) [Cancel](#)

Open the Jobs Risk Assessment Page

beehive

Risk Assessments Jobs ILO UN Job Report

Job / Task Search Expand Collapse

- Home
- Risk Assessments
- Label Designer
- AuthonTe

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge	Signed
12.5% Bleach General Storage			3	20 °C	S L G	medium	L	2		

To go back to the main Risk Assessment module page, click on the **Risk Assessments** button located on the top toolbar as shown below.

beehive

[Risk Assessments](#) Jobs ILO UN Job Report

Job / Task Search Expand Collapse

- Home
- Risk Assessments
- Label Designer
- AuthonTe

Name	Documents	St...	Hazard	Storage Temperature	State	Volatility/Dustiness	Scale of st...	Risk B...	Discharge	Signed
12.5% Bleach General Storage			3	20 °C	S L G	medium	L	2		

6.3 Right-Click Functions on Chemical Name in Risk Assessment Grid

Right Click functionality allows users to carry out specific tasks for each material in the risk assessment module. It is activated when a risk assessment has been completed (saved).

	Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
☐	12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3 ✓
☐	Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2 ✓
☐	BLEACH No Task Defined			3	20 °C	S L G	medium	μL	daily >4hrs	2 ✓
☐	Cargill Sodium No Task Defined			3	20 °C	S L G	powder	mg	daily >4hrs	2 ✓
☐	DIESEL FUEL No Task Defined			?	20 °C	S L G	high	μL	daily >4hrs	? ✓
☐	FORMALDEHYD No Task Defined			4	20 °C	S L G	medium	μL	daily >4hrs	3 ✓
☐	Glitter Paint No Task Defined			0	20 °C	S L G	medium	μL	daily >4hrs	0 ✓
☐	Henkel Loctite 5031/40LB No Task Defined			4	20 °C	S L G	medium	μL	daily >4hrs	3 ✓

If a risk assessment has not been saved or completed, a warning message will be triggered on the top right-hand side of the user interface.

☒ ILO

☐ UN

Configure Usage

Warning

Please save risk assessment

Risk Assessment Mouse Right Click Menu Descriptions in ILO/UN

Menu Options	Description
Copy	Copy single or multiple risk assessment materials into another folder. Identical copies of existing documents are not allowed to be copied into existing records in the destination folder.
	Warning Such document exists already in this folder. Identical copies are not allowed.
Move	Move a single or multiple materials into another folder. The risk assessed material will be moved with all the completed risk assessment parameters. Identical copies of existing documents are not allowed to be moved into existing records.
Reset	Resets the risk assessment to assessment required.

Menu Options

Description

Copy to UN 

Copy health risk assessed material with its parameters to the UN (Dangerous Goods) mode. Note that the copied risk assessed material will have “Assessment Incomplete” status.

Use as a Template 

Risk assessment creates a clone to use as a template.

Attachments 

Add attachments (documents) to a chemical.

Add to RA Archive 

Saves the risk assessment to an archive repository of the risk assessments for later retrieval. Archive risk assessment documents are stored in pdf format and can be printed out from the archive panel.

View Archive 

Lists archived risk assessments.

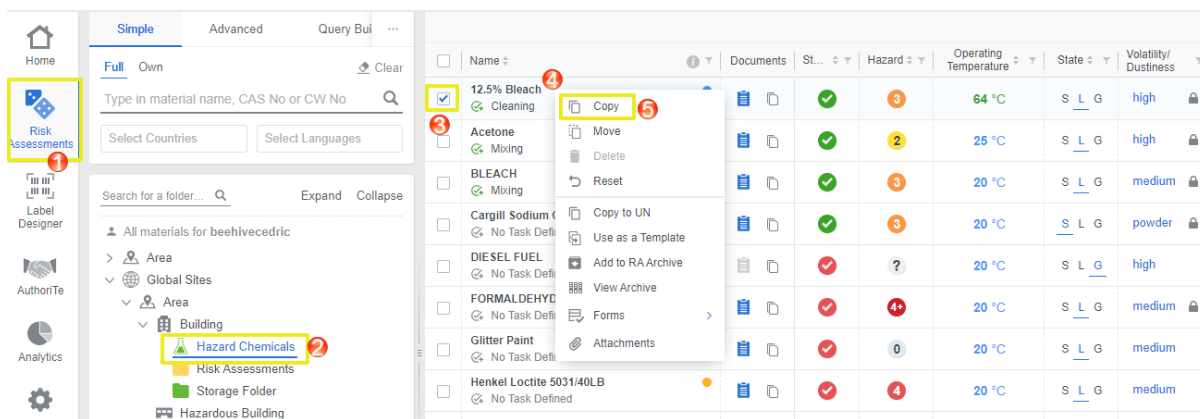
Forms 

Fill in an already created Risk Assessment Form for a chemical. Forms are created using the Form Builder Module.

6.3.1 Copy a Risk Assessment into a Destination Folder

The following steps illustrate how to copy a risk assessed chemical into another folder.

Steps: Copy a Risk Assessment into the Same Folder



1. Click on the **Risk Assessment module** button.
2. Open **Folder** Location to list material inventory.
3. Select **Checkbox** next to chemical name's risk assessment to be copied.
4. **Right click** on chemical name. Ensure to check the risk assessment mode (ILO or UN).

5. **Right click** on chemical name.
6. Select **Copy**.
7. **Right click** on another folder destination. If the chemical already exists in the destination folder, this action will not be allowed.
8. Select the **Paste** function. Message confirms successful operation.

 Success 
Risk assessments have been copied

The screenshot shows the Chemwatch GoldFFX interface. On the left, the 'Risk Assessments' module is active. The folder tree on the left sidebar shows 'Hazard Chemicals' selected. A context menu is open over 'Hazard Chemicals' with the 'Paste' option highlighted. The main table lists materials, with '12.5% Bleach' highlighted in yellow.

Name	Documents	St...	Hazard	Operating Temperature	State
☒ 12.5% Bleach Cleaning			3	64 °C	S L G
☐ Acetone Mixing			2	25 °C	S L G
☐ BLEACH Mixing			3	20 °C	S L G
☐ Cargill Sodium Chloride Food-Industrial ... No Task Defined			3	20 °C	S L G
☐ DIESEL FUEL No Task Defined			?	20 °C	S L G
☐ FORMALDEHYDE 41% No Task Defined			4+	20 °C	S L G
☐ Glitter Paint No Task Defined			0	20 °C	S L G
☐ Henkel Loctite 5031/40LB No Task Defined			4	20 °C	S L G
☐ Poster Paint No Task Defined			1	20 °C	S L G
☐ Poster Paint Continuous Lamination			1	20 °C	S L G
☐ Sodium Chloride Tablets No Task Defined			0	20 °C	S L G
☐ SULPHURIC ACID 70% No Task Defined			?	20 °C	S L G

Destination Folder Shows Copied Risk Assessed Material

The screenshot shows the Chemwatch GoldFFX interface. On the left, the 'Risk Assessments' module is active. The folder tree on the left sidebar shows 'Assessed' selected. The main table lists materials, with '12.5% Bleach' highlighted in yellow.

Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/ Dustiness	Scale of use	Frequency Of Use	Risk B...	Discharge	Signed
☒ 12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3		Yes

6.3.2 Move a Risk Assessment into Another Folder

Moving a risk assessment into another folder will move the risk assessed chemical with all its parameters into the destination folder. The following steps illustrate how to move a single risk assessment into another folder.

Steps: Move a Risk Assessment into another Folder

1. Click on the **Risk Assessment module** button.
2. Open **Folder Location** to list material inventory.
3. Select **Checkbox** next to chemical name's risk assessment to be copied.
4. **Right click** on chemical name. Ensure to check the risk assessment mode (ILO or UN).
5. Select **Move**.
6. **Right click** on another folder destination. If the chemical already exists in the destination folder, this action will not be allowed.
7. Select the **Paste** function. Message confirms successful operation.



Success

Risk assessments have been moved



The screenshot shows the GoldFFX interface. On the left, the 'Risk Assessments' sidebar is active. The folder tree shows 'Hazard Chemicals' selected. A context menu is open over the '12.5% Bleach' material, with 'Copy' highlighted. The main table lists materials with columns for Name, Documents, Status, Hazard, Operating Temperature, State, and Volatility/Dustiness.

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness
12.5% Bleach Cleaning	[Icon]	[Green Check]	3	64 °C	S L G	high
Acetone Mixing	[Icon]	[Green Check]	2	25 °C	S L G	high
BLEACH Mixing	[Icon]	[Green Check]	3	20 °C	S L G	medium
Cargill Sodium Chloride Food-Industrial ...	[Icon]	[Green Check]	3	20 °C	S L G	powder
DIESEL FUEL No Task Defined	[Icon]	[Red X]	?	20 °C	S L G	high
FORMALDEHYDE 41% No Task Defined	[Icon]	[Red X]	4+	20 °C	S L G	medium
Glitter Paint No Task Defined	[Icon]	[Red X]	0	20 °C	S L G	medium
Henkel Loctite 5031/40LB No Task Defined	[Icon]	[Red X]	4	20 °C	S L G	medium

The screenshot shows the GoldFFX interface. On the left, the 'Risk Assessments' sidebar is active. The folder tree shows 'Hazard Chemicals' selected. A context menu is open over the '12.5% Bleach' material, with 'Paste' highlighted. The main table lists materials with columns for Name, Documents, Status, Hazard, Operating Temperature, State, and Volatility/Dustiness.

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness
12.5% Bleach Cleaning	[Icon]	[Green Check]	3	64 °C	S L G	high
Acetone Mixing	[Icon]	[Green Check]	2	25 °C	S L G	high
BLEACH Mixing	[Icon]	[Green Check]	3	20 °C	S L G	medium
Cargill Sodium Chloride Food-Industrial ...	[Icon]	[Green Check]	3	20 °C	S L G	powder
DIESEL FUEL No Task Defined	[Icon]	[Red X]	?	20 °C	S L G	high
FORMALDEHYDE 41% No Task Defined	[Icon]	[Red X]	4+	20 °C	S L G	medium
Glitter Paint No Task Defined	[Icon]	[Red X]	0	20 °C	S L G	medium
Henkel Loctite 5031/40LB No Task Defined	[Icon]	[Red X]	4	20 °C	S L G	medium
Poster Paint No Task Defined	[Icon]	[Red X]	1	20 °C	S L G	medium
Poster Paint Continuous Lamination	[Icon]	[Green Check]	1	20 °C	S L G	medium
Sodium Chloride Tablets No Task Defined	[Icon]	[Blue I]	0	20 °C	S L G	medium
SULPHURIC ACID 70% No Task Defined	[Icon]	[Red X]	?	20 °C	S L G	medium

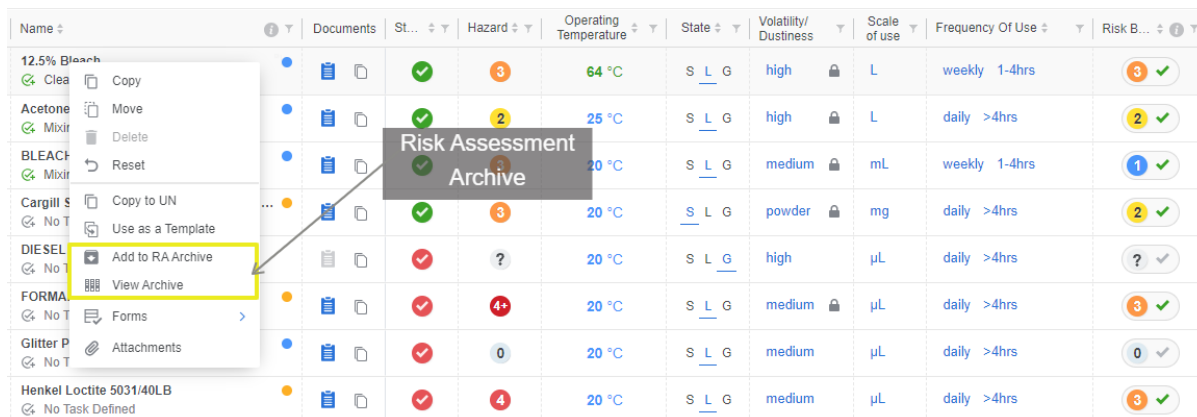
Destination Folder Shows Moved Risk Assessed Material

The screenshot shows the GoldFFX interface. On the left, the 'Risk Assessments' sidebar is active. The folder tree shows 'Moved Risk Assessment' selected. The main table lists materials with columns for Name, Documents, Status, Hazard, Operating Temperature, State, Volatility/Dustiness, Scale of use, Frequency of Use, and Risk B...

Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency of Use	Risk B...
12.5% Bleach Cleaning	[Icon]	[Green Check]	3	64 °C	S L G	high	L	weekly 1-4hrs	3 [Green Check]

6.3.3 Archive a Risk Assessed Material

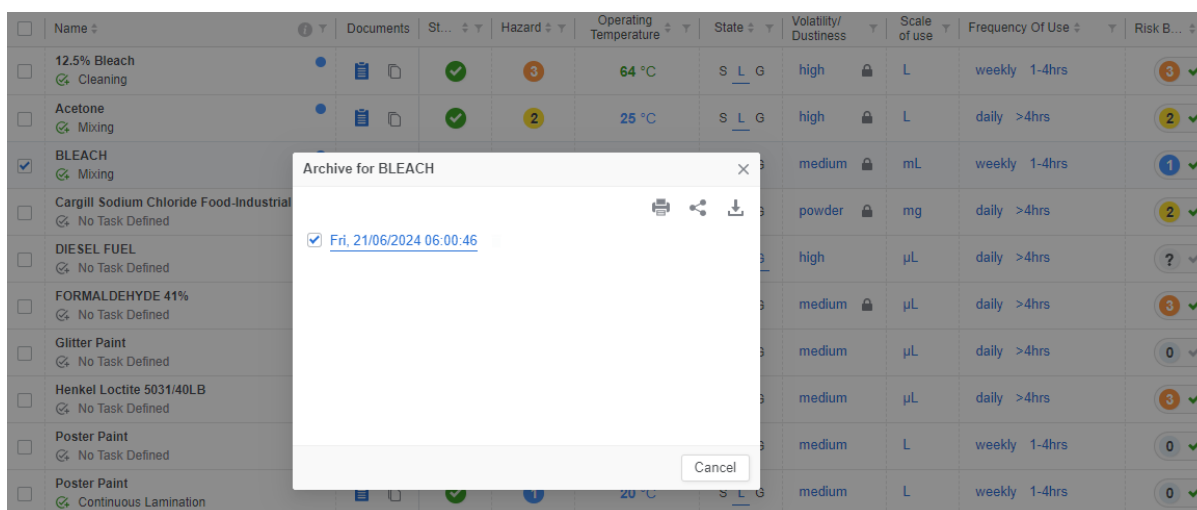
The risk assessment module archive feature provides users with the applicable risk assessment privileges to create digital archive records of risk assessed materials for better organisation of risk assessment reports. The archive functionality enables users to add risk assessed chemicals into an archive and in turn be able to view all archived records. This feature is available through the material right click context menu options.



The system creates an archive based on the chemical name and the record or file name is registered using the following parameters:

- The day of the week
- Date when the archive record of the chemical was created
- The time when the record was created

The archive risk assessed record (report) can be retrieved and printed, shared or downloaded.



Users require to have the privileges to manage risk assessments for archiving records:

- Access to ILO mode
- Access to UN mode
- Manage risk assessment archive

- View risk assessment archive

The following steps show how to add a risk assessed chemical report file as an archived record.

Steps: Archive Risk Assessment

The screenshot shows the Chemwatch GoldFFX interface. On the left, the 'Risk Assessments' button is highlighted with a red circle. In the center, the 'Hazard Chemicals' folder is highlighted with a red circle. On the right, the '12.5% Bleach' chemical is selected, and the 'Add to RA Archive' option is highlighted in the context menu with a red circle. A success message 'Poster Paint has been added.' is shown on the right.

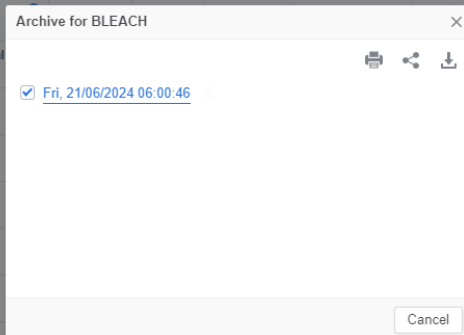
1. Click on the **Risk Assessment module** button.
2. Open **Folder** Location to list material inventory.
3. Select **Checkbox** next to chemical name's risk assessment to be copied.
4. **Right click** on chemical name. Ensure to check the risk assessment mode (ILO or UN).
5. Select **Add to RA Archive**. Chemical risk assessment added to archive. Message confirms successful operation.

Success
Poster Paint has been added.

6. **Right click** on the chemical name.
7. Select the **View Archive** option to open the archive window.
8. Click on the **Archive file name** for the chemical to view the archived report.
9. Use the archive window **Print, Share or Download** function to generate the report.

	Name	Documents	St...	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
☒	12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3
☐	Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2
☐	BLEACH Mixing			3	20 °C	S L G	medium	mL	weekly 1-4hrs	1
☐	Cargill Sodium No Task Defined			3	20 °C	S L G	powder	mg	daily >4hrs	2
☐	DIESEL FUEL No Task Defined			?	20 °C	S L G	high	µL	daily >4hrs	?
☐	FORMALDEHYDE No Task Defined			4+	20 °C	S L G	medium	µL	daily >4hrs	3
☐	Glitter Paint No Task Defined			0	20 °C	S L G	medium	µL	daily >4hrs	0

☐	Name	Documents	Status	Hazard	Operating Temperature	State	Volatility/Dustiness	Scale of use	Frequency Of Use	Risk B...
☐	12.5% Bleach Cleaning			3	64 °C	S L G	high	L	weekly 1-4hrs	3
☐	Acetone Mixing			2	25 °C	S L G	high	L	daily >4hrs	2
☒	BLEACH Mixing			3	20 °C	S L G	medium	mL	weekly 1-4hrs	1
☐	Cargill Sodium Chloride Food-Industrial...			3	20 °C	S L G	powder	mg	daily >4hrs	2
☐	DIESEL FUEL No Task Defined			?	20 °C	S L G	high	μL	daily >4hrs	?
☐	FORMALDEHYDE 41% No Task Defined			4	20 °C	S L G	medium	μL	daily >4hrs	3
☐	Glitter Paint No Task Defined			0	20 °C	S L G	medium	μL	daily >4hrs	0
☐	Henkel Loctite 5031/40LB No Task Defined			4	20 °C	S L G	medium	μL	daily >4hrs	3
☐	Poster Paint No Task Defined			1	20 °C	S L G	medium	L	weekly 1-4hrs	0
☐	Poster Paint Continuous Lamination			1	20 °C	S L G	medium	L	weekly 1-4hrs	0



6.3.4 Delete a Risk Assessment

Deleting a risk assessment for a chemical does not remove the material from the folder location but deletes the risk assessment based on the Gold SDS.

☐	Henkel Loctite 5031/40LB No Task Defined			4	20 °C	S L G	medium	μL	daily >4hrs
☐	Poster Paint No Task Defined			1	20 °C	S L G	medium	L	weekly 1-4hrs
☒	Poster Paint Continuous Lamination			1	20 °C	S L G	medium	L	weekly 1-4hrs
☐	Sodium Chloride Food-Industrial...			0	20 °C	S L G	high	μL	daily >4hrs

Steps: Delete a Risk Assessment for a Chemical

1. Click on the **Risk Assessment module** button.
2. Open **Folder** Location to list material inventory.
3. Select **Checkbox** next to chemical name's risk assessment to be deleted.
4. **Right click** on chemical name.
5. Select **Delete**. Chemical risk assessment added to archive. Message displays to confirm by selecting the **Yes** option.

Are you sure want to delete risk assessments?

Yes **No**

Success

Risk assessments have been successfully deleted. To delete materials, open Home grid.

7.0 Create Mixtures (Credo)

The main objectives of this chapter cover how to use the CREDO (Classify) module to create material mixtures and generate reports.

- Identify the mixture, chemical inputs and properties
- Manufacturer details
- Ingredients, proportion % and physical properties
- Review ingredients hazards classification
- Extract hazards classification
- Input dangerous goods classification data
- Generate auto-suggest dangerous goods classification information
- Create a mixture and generate documents



Creating a mixture involves the combination of two or more substances (ingredients) or chemicals to achieve a specific product with its own characteristics. CREDO is the classify module that provides users with the ability to create mixtures from material ingredients, classify mixtures and generate various documents.

Materials

Archive

Documents

Import History

Print Out

	Material Name	Year	CW No.	Greenh... (KG C...	Part No.	DGC	DGS1	DGS2	PKG	Regulator...	Published
☐	Sodium Hydroxide 60%	2024	9-00019969	0.77		8	None	None	II		Unpublished
☐	Love Potion					None	None	None	None		Unpublished

SDS

Mini

Audit

LOC

EPD

SDS Mini Audit LOC EPD

Document	Icon	Description
SDS		Safety Data Sheet, 14 sections.
Mini		One-page colour coded hazard summary Safety Data Sheet.
Audit		Classification rationale of the material mixture and contributing factors.
LOC		List of concern, identifies hazard, ingredients, CAS No.
EPD		Environmental product declaration report.

The module contains a form with tabs to fill in the required information about the mixture based on input ingredients. The information input into the form's sectional fields is used to calculate the hazards classification of the mixture based on the ingredients. Creating a mixture involves more than one ingredient with their respective chemical proportion (%) composition. The Credo form contains the following tabs:

- Product Identification
- Manufacturers Details
- Credite Poster (Physical Properties)
- Review Ingredients

- Toxicity/Irritation
- Review Classification
- Dangerous Goods

The screenshot displays the Chemwatch GoldFFX interface. On the left, the 'bee hive' logo and a sidebar menu are visible. The main area is titled 'CREDO Form - Tabs' and contains a 'Product Identification' tab. This tab includes fields for Material Name (Sodium Hydroxide 60%), Part Number, REACH Reg. No., Issue Date (24/06/2024), CAS No., EC No., UFI Numbers, and UFI Generator. Below these fields is a 'Uses' section with the text 'To produce soaps, rayon, paper, dyes products'. To the right of the form is the 'CREDO Grid', which is a table with columns for Material Name, Hazard, Review, Issue Date, CW No., Greenh. (KG C.), Part No., DGC, DGS1, DGS2, PKG, and Regulator. The grid contains two rows: 'Sodium Hydroxide 60%' and 'Love Potion'. The bottom of the interface shows a 'Template' button and a '25 Items per page' indicator.

Product Identification Tab

Product Identification

* Material Name: Sodium Hydroxide 60%

Part Number:

REACH Reg. No.:

* Issue Date: 24/06/2024

CAS No.:

EC No.:

UFI Numbers

UFI Generator

Uses: To produce soaps, rayon, paper, dyes products

Data Point

Description

Notes

This tab enables user data input options that identifies the material mixture. Note that some data points are drawn by default from the database, e.g., issue date, uses, synonyms.

Material Name	Name of the Mixture.	This is the name of the mixture. This field is mandatory.
Part Number	Part number allocated to the mixture.	Optional
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

Data Point	Description	Notes
Issue Date	Date of issue.	This field is mandatory.
CAS No.	Chemical Abstract Substance Number.	Applicable for pure chemicals only. Use 'Not Available' when material is a pure chemical, but no CAS number is available.
EC No.	European Council number assigned to a substance.	EC No. can be found in Section 1 of the SDS. Applicable to pure chemicals only.
UFI Numbers UFI Generator	Unique Formula Identifier, applicable in the EEA market. UFI Generator – generates UFI Numbers.	It is a 16-character code is used for mandatory reporting on products that contain a hazardous mixture. If no data is found, leave this field blank.
Uses	Define the use of the product.	This is the product use details “text field” to enter the use or purpose of the mixture.
REACH Uses	Uses based on REACH regulations.	Applicable to Europe. Click the field to open the REACH Uses window and category dropdowns to select by clicking on red symbol if the use is advised against.
Synonyms	These are other name(s) of the mixture or trade names, part numbers.	Enter the applicable synonym for the mixture (optional). The field can be left blank.

Manufacturers Details Tab

Manufacturers Details

Own: ☐

Company Name: Chemwatch

Address: 1227 Glen Huntly Rd, Glen Huntly, Victoria

Telephone 1: +61 395733100

Telephone 2:

Emergency Organisation: Chemwatch

Emergency 1:

Other Emergency Number:

Fax:

E-mail: customerservice@chemwatch.net

Data Point	Description	Notes
<i>This tab enables user data input of the Manufacturer (Vendor) details. Note that the vendor may be your own organisation's address.</i>		
Company name and other details	Your own organisation's name and specific details. Use the add button to add your own manufacturer details.	Provide the organisational name and the details of where the mixture is being made. Note that this information will be shown in the SDS.

Credite Poster Tab

Credite Poster

	Name / CAS No.	Percentage %	
1	sodium hydroxide	60	
2	water, tritiated	40	

+ Add Ingredients

State: Liquid

Water solubility: Miscible

pH: Not Available

pH as a solution: Not Available At %:

Flash Point (C): Not Available

SG/density (g/cm3): Not Available

Lower Explosive Limit (%): Not Available

Data Point	Description	Notes
------------	-------------	-------

This tab enables ingredients and physical properties data input for the mixture.

Name/CAS No. and Proportion	Ingredient(s) fields	Enter the ingredients of the mixture 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.	Not all the physical properties data may be available. Ignore the fields where information is not available.

Review Ingredients Tab

Review Ingredients

☐ C&L

☐ Sanitised view

	Name / CAS No.	Percentage %	
1	sodium hydroxide H314 (Cat 1A), H318 (Cat 1)	60	+ ✎ 🗑
2	water, tritiated H320 (Cat 2B), H351 (Cat 2)	40	+ ✎ 🗑

+ Add Ingredients

Users of the Credo module can create mixtures and generate China Mini SDS in compliance with GB 30000.1-2024 SDS requirements. The Review Ingredients tab enables users to review ingredients, **edit** Ingredient Name, Part Number, CAS Number and hazard codes using the GHS (CLP) classification.

Review Ingredients

☐ C&L
 ☒ Sanitised view
 ☒ Auto

Ing. Identification
 ☒ NANO

Name / CAS No. / EC No.

 Percentage %

1

 7440-02-0*

Data Point Description Notes

This tab enables user data input for the mixture to be calculated by using the GHS (default setting) or C&L classification for the EU where data is available. Hide ingredient(s) composition, sanitise ingredients and a range of % proportion, and/or use auto sanitise by turning on the switch ☒ or off ☐.

C&L	European Classification and Labelling Inventory	The mixture classification may be calculated using the C&L Inventory. Turn on to display European Classification and Labelling. If substance classifications exist, the most prevalent classification will be displayed.
Sanitised View	Sanitise and/or Auto-sanitise feature	Hide exact formulation for the mixture's ingredients and proportions.
Auto	Auto-sanitise substance	Limited disclosure feature enables authors to modify the substance name and concentration. Automatically hides all non-hazardous ingredients.
Ing. Identification	Ingredient(s) Form - Identification fields for ingredient	User input fields for the name of the ingredient, EC Number, REACH Reg. Number, UFI Number
Nano	Nano Form – Nano particles fields for ingredient	User input fields for the Name of the ingredient, Shape Category, Specific Shape, Solubility

Review Ingredients window – Edit Mode

New Import

Search

Product Identification

Manufacturers Details

Credite Poster

Review Ingredients

☐ C&L
 ☒ Sanitised view
 ☒ Auto

Ing. Identification
 ☒ NANO

Name / CAS No. / EC No.

 Percentage %

1

 7440-02-0*

2

 101-77-9

Toxicity/Irritation

Review Classification

Dangerous Goods

Template

Review Ingredient

* Ingredient Name:

Part Number:

* CAS No:

Hazard Codes:

☐ H200 Explosives (Unstable Explosive)
 ☐ H201 Explosives Division 1.1
 ☐ H202 Explosives Division 1.2
 ☐ H203 Explosives Division 1.3
 ☐ H204 Explosives Division 1.4
 ☐ H205 Explosives Division 1.5
 ☐ H206 Desensitized Explosives Liquid Category 1
 ☐ H206 Desensitized Explosives Solid Category 1
 ☐ H207 Desensitized Explosives Liquid Category 2
 ☐ H207 Desensitized Explosives Solid Category 2

Issue Date: 25/07/2024
 CW No.: 9-00023074
 Greenho... (KG CO...): 1.405347

25/07/2024
 9-00023072
 2.330631

25/07/2024
 9-00022003
 1.916649

25/07/2024
 9-00023071
 2.675109

25 Items per page

Review Classification Tab

Review Classification

Generated

H314 (Cat 1A), H318 (Cat 1), H351 (Cat 2).

Deleted

User Defined

Search...

[Hazard Test Results](#)

☐ AUH001
☐ AUH006
☐ AUH014
☐ AUH018
☐ AUH019
☐ AUH029
☐ AUH031
☐ AUH032
☐ AUH044
☐ AUH066

Data Point	Description	Notes
<i>This tab enables user data input for the mixture for the classification calculation to be used, hide ingredient(s) composition, etc.</i>		
Generated 	GHS classification codes are 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.
Hazard Test Results	This link provides the hazard test window to input hazard classification type, HCode, Test Name. Note that the default hazards identified will be marked in the corresponding checkbox line item  .	Select this option to input respectively identified H codes and enter a test name for each hazard category.

Dangerous Goods Tab

Data Point	Description	Notes
<i>This tab enables user data input for the mixture where dangerous goods classification is available.</i>		
UN/ID Number	Quickly look up the United Nations Number for the prominent ingredient.	Assign UN No. for the prominent ingredient.
DG Class	Dangerous Goods Class	Assign a DG Class from the drop-down list 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.	Assign the Poison Schedule for the prominent ingredient to be able to identify the mixture as a poison.
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 the proper shipping name of the mixture that has a potential variety of hazardous ingredients, applicable name in the UN list.

Dangerous Goods ▼

Suggest: ☐

UN/ID Number:

DG Class: ▼

Sub Risk 1: ▼

Sub Risk 2: ▼

Packing Group: ▼

Poisons Schedule:

Shipping Name:

[N.O.S Ing lookup](#):

7.1 Classify a Mixture

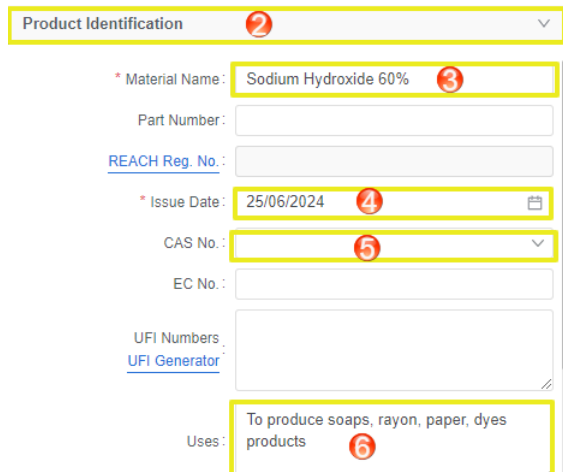
The following steps illustrate how to create a mixture and generate documents. Generating the classification for a mixture requires some basic information on hand to complete the exercise, at the least, two ingredients with varying chemical composition and proportion are used in the worked example.

Steps: Classify a Mixture and Generate Documents

Product Identification Details

1. Click on the **CREDO module** button .
2. Open **Product Identification** tab by clicking on the header/forward arrow .
3. Type the name of the mixture in the **Material Name** field. Note that this is a mandatory field.
4. Set the **Issue Date** from calendar .
5. Select a CAS No where applicable by selecting the **Value** option and type the number in the CAS No field. If a CAS No is not available, select an appropriate option; Not Avail or None.
6. Type in the uses of the mixture in the **Uses** text field.

Product Identification Details Form



The screenshot shows the 'Product Identification' tab selected. The form contains the following fields and callouts:

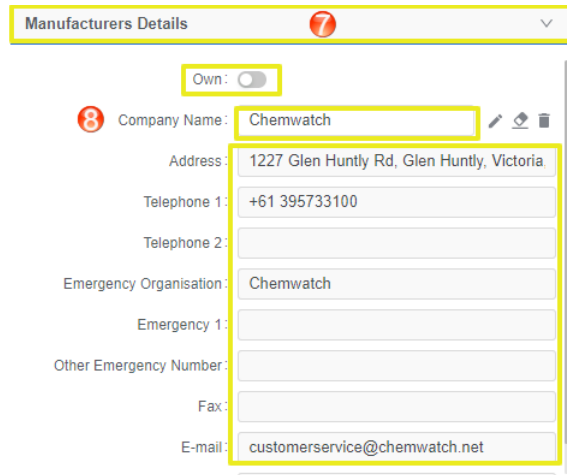
- 2**: Tab header 'Product Identification'.
- 3**: 'Material Name' field containing 'Sodium Hydroxide 60%'.
- 4**: 'Issue Date' field containing '25/06/2024'.
- 5**: 'CAS No.' dropdown menu.
- 6**: 'Uses' field containing 'To produce soaps, rayon, paper, dyes products'.

Manufacturers Details

- Open **Manufacturers Details** tab by clicking on the header/forward arrow .

- Use the **Own** switch  to add your own details or use the pen to edit existing details, company name, address, telephone numbers, emergency organisation, email.

Manufacturers Details Form



The screenshot shows the 'Manufacturers Details' tab selected. The form contains the following fields and callouts:

- 7**: Tab header 'Manufacturers Details'.
- 8**: 'Company Name' field containing 'Chemwatch'.

Credite Posteri Details (Physical Properties)

- Open **Credite Posteri** tab by clicking on the header/forward arrow .
- Enter **ingredients 1** and **2** in the Name/CAS No. fields to look up in the database and select the **ingredient name** from the auto-complete search results.

- Set the Physical **State** of the mixture using the dropdown arrow to choose an option, Solid, Liquid, Gas, etc.
- Set the **Water Solubility** where applicable. Use the dropdown arrow to choose the appropriate option for the mixture.
- Scroll down to select the specific **Appearance** of the mixture from the

11. Add the exact **ingredient proportion** or concentration in the Percentage % field.

dropdown list, e.g., Colourless. Use the More button **More** to add additional physical properties.

Credit Poster (Physical Properties)

Credit Poster 

	Name / CAS No.	Percentage %
1	sodium hydroxide 	60 
2	water, tritiated	40

[+ Add Ingredients](#)

State: Liquid 

Water solubility: Miscible 

pH: Not Available ?

pH as a solution: Not Available ? At %:

Flash Point (C): Not Available ?

SG/density (g/cm3): Not Available ?

Lower Explosive Limit (%): Not Available ?

Credit Poster 

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: Not A... ?

Appearance: Colourless 

[More](#)

Review Ingredients

15. Open **Review Ingredients** tab by clicking on the header/forward arrow .
16. Use **C&L** switch to display EU Classification if applicable.
17. **Sanitise** the ingredients by turning on the switch to modify the names of the ingredients and concentration.

18. Click on the **Add** icon to add further details
19. Set the **Water Solubility** where applicable. Use the dropdown arrow to choose the appropriate option for the mixture.
20. Scroll down to select the specific **Appearance** of the mixture from the dropdown list, e.g., Colourless. Use the More button **More** to add additional physical properties.

Review Ingredients

Review Ingredients 

☒ C&L  ☐ Sanitised view 

1	sodium hydroxide	60	 
	H314 (Cat 1A), H318 (Cat 1)		
2	water, tritiated	40	 
	H320 (Cat 2B), H351 (Cat 2)		

[+ Add Ingredients](#)

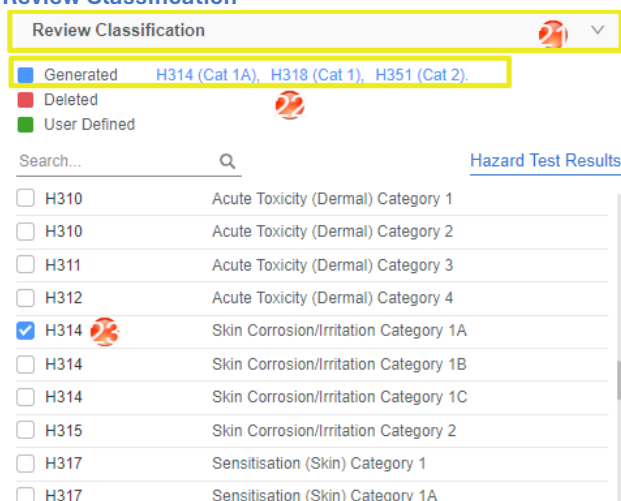
Review Classification

- Click on **Review Classification** tab or header/forward arrow .
- Note the **Generated GHS hazard codes** for the mixture based on the ingredients and respective concentration/proportion. The hazard codes are checkbox marked  by default.

Optional: Extra hazard codes can be added by selecting the respective checkbox as user defined.

- Optional: Uncheck a hazard code checkbox to remove it from the preselection and will be shown as Deleted.

Review Classification



Review Classification

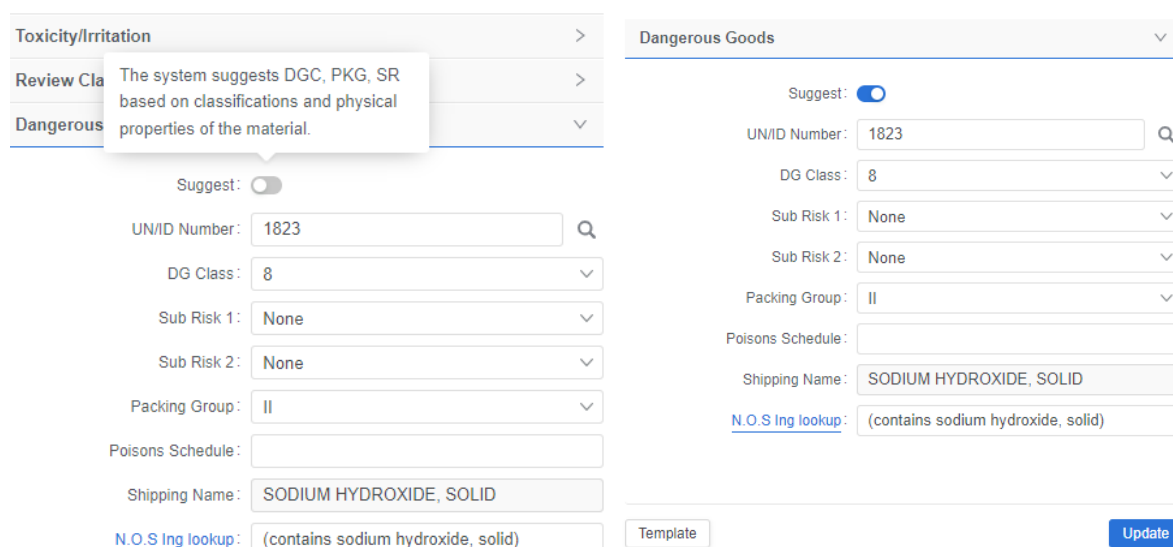
Generated  Deleted  User Defined 

Search...

[Hazard Test Results](#)

☐	H310	Acute Toxicity (Dermal) Category 1
☐	H310	Acute Toxicity (Dermal) Category 2
☐	H311	Acute Toxicity (Dermal) Category 3
☐	H312	Acute Toxicity (Dermal) Category 4
☒	H314	Skin Corrosion/Irritation Category 1A
☐	H314	Skin Corrosion/Irritation Category 1B
☐	H314	Skin Corrosion/Irritation Category 1C
☐	H315	Skin Corrosion/Irritation Category 2
☐	H317	Sensitisation (Skin) Category 1
☐	H317	Sensitisation (Skin) Category 1A

Dangerous Goods



Toxicity/Irritation 

Review Classification  The system suggests DGC, PKG, SR based on classifications and physical properties of the material.

Dangerous Goods 

Suggest: 

UN/ID Number: 1823 

DG Class: 8 

Sub Risk 1: None 

Sub Risk 2: None 

Packing Group: II 

Poisons Schedule:

Shipping Name: SODIUM HYDROXIDE, SOLID

[N.O.S Ing lookup](#): (contains sodium hydroxide, solid)

[Template](#)   

- Click on the **Dangerous Goods** tab or header/forward arrow .
- Enter the UN/ID Number for the primary ingredient, DG Class, Packing Group.

- Select the **Submit** button  to create the mixture. Message confirms successful operation. **STOT Selection** display with options for specific target

Optional: Turn on the **Suggest** switch for the system to suggest DGC (Dangerous Goods Class), PKG (Packing group), SR (Sub Risk) and physical properties. 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).

organs, skip or apply relevant organs by toxicity for the hazard category and **Route of Exposure**; Oral, Dermal or Inhalation.

- Click the **Mini SDS, Audit Report** or **EPD** on the right-hand side panel to generate the respective documents.
- Use the **Publish** button on the toolbar to choose an option; Eternal or Internal publish. Note that Internal publishing saves the mixture in the Own inventory.

The N.O.S.Ing. lookup link field gets populated with the relevant information for which the ingredient is contained in the mixture.

The screenshot displays the 'MINI SDS' for Sodium Hydroxide 60%. The interface includes a top navigation bar with 'Country' (Australia) and 'Language' (English) dropdowns, and buttons for 'Print', 'Share', and 'Download'. Below the navigation bar, there are tabs for 'Back', 'Compare', and '0.3'. The main content area is divided into several sections:

- Chemwatch: 9-00019969** and **Chemwatch Hazard Alert Code: 4**
- INGREDIENTS** table:

INGREDIENTS	CAS NO	%	8HR OEL
sodium hydroxide	1310-73-2	60	—
water, tritiated	14940-65-9	40	—
- GHs** and **DG** section showing hazard symbols and codes: UN No: 1823, Hazchem Code: 2W, DG Class: 8, Subsidiary Hazard: Not Applicable, Packing Group: II, Poisons Schedule: Not Applicable.
- HEALTH HAZARD INFORMATION** section with signal word **Danger** and hazard statements: H314 Causes severe skin burns and eye damage, H351 Suspected of causing cancer.
- PRECAUTIONS FOR USE** section with icons for PPE and ventilation controls.
- PROPERTIES** section: Liquid, Mixes with water, Corrosive, Alkaline, Not flammable.
- EMERGENCY** section with icons for H2O, fire, and first aid.
- FIRST AID** section:
 - Swallowed:** If more than 15 mins from Doctor, INDUCE VOMITING (if conscious).
 - Eye:** Wash with running water (minimum 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:** Treat symptomatically. Supportive care. Irrigate eyes with saline. Supportive care.
 - Fire Fighting:** Keep surrounding area cool. Water spray/fog. Pollutant. Prevent from entering drains. Contain spillage by any means.

The right-hand side panel shows 'Main Documents' with links to SDS, MINI, Special, AUDIT, and EPD.

An important analogy about the generated mixture is that it is classified as an extremely hazardous material shown by the hazard icon color code based on the ingredients and proportion % composition calculation as well as a dangerous good class.

ew Import

Material Name	Hazard	Review	Issue Date	CW
Sodium Hydroxide 60%			26/06/2024	9-0

Search

Product Identification

Manufacturers Details

Credite Poster

Review Ingredients

Toxicity/Irritation

Review Classification

Dangerous Goods

Suggest: ☐

Sodium Hydroxide 60%

Chemwatch Hazard Ratings: **4 Extreme** *Liquid*

Dangerous goods

UN No: 1823
 Hazchem Code: 2W
 DG Class: 8
 Subsidiary Hazard: Not Applicable
 Packing Group: II
 Poisons Schedule: Not Applicable

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	2	
Body Contact	4	
Reactivity	0	
Chronic	4	

Hazardous substances

7.2 Other Credo Attributes

The Credo Toolbar

Use the Credo toolbar to change country, language, print, share or download the document.

Country: **Australia** Language: **English**

Print Share Download

Hazard (H) Codes and DG Classification Information Display

Select the **Hazard icon** to view hazard summary of the mixture.

Import

Material Name	Hazard	Review	Issue Date	CW No.	Greenh... (KG C...)	Part No	DGC	DGS1	DGS2	PKG	Regulator...
Sodium Hydroxide 60%			26/06/2024	9-00019969	0.77		8	None	None	II	
							None	None	None	None	

Sodium Hydroxide 60%

Chemwatch Hazard Ratings: **4 Extreme** *Liquid*

Dangerous goods

UN No: 1823
 Hazchem Code: 2W
 DG Class: 8
 Subsidiary Hazard: Not Applicable
 Packing Group: II
 Poisons Schedule: Not Applicable

Chemwatch Hazard Ratings

	Min	Max
Flammability	0	
Toxicity	2	
Body Contact	4	
Reactivity	0	
Chronic	4	

0: Min
 1: Low
 2: Moderate
 3: High
 4: Extreme

Hazardous substances

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
 H351 Suspected of causing cancer.

Pictogram(s)

The Compare Document Versions Function

Select the **Compare button** to review first and second document versions.

Chemwatch: 9-00019969 Chemwatch Hazard Alert Code: 4

MINI SDS

Sodium Hydroxide 60%

INGREDIENTS	CAS NO	%	8HR OEL
sodium hydroxide	1310-73-2	60	—
water, tritiated	14940-65-9	40	—

PROPERTIES

Liquid.
Mixes with water.
Corrosive.
Alkaline. Not flammable.

EMERGENCY

FIRST AID

Swallowed: If more than 15 mins from Doctor, INDUCE VOMITING (if conscious).

Eye: Wash with running water (minimum 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: Treat symptomatically. Supportive care. Irrigate eyes with saline. Supportive care.

Fire Fighting: Keep surrounding area cool. Water spray/fog. Pollutant. Prevent from entering drains.

Signal word: **Danger**

Hazard statement(s): H314 Causes severe skin burns and eye damage. H351 Suspected of causing cancer.

PRECAUTIONS FOR USE

Appropriate engineering controls: General Exhaust Ventilation adequate.

Display Mini SDS in another Language

Select the respective **Country** dropdown to choose a specific country from the list. Note that the countries are directly linked to **Language(s)** of the selected country, e.g., French Mini SDS.

Country: France Language: French

Print Share Download

Chemwatch: 9-00019969 Chemwatch Code d'alerte du risque: 4

MINI FICHE DE DONNÉES DE SÉCURITÉ (MINI SDS)

Sodium Hydroxide 60%

COMPOSANTS	NUMÉRO CAS	%	8HR OEL
hydroxyde de sodium	1310-73-2	60	2 mg/m3
water, tritiated	14940-65-9	40	—

PROPRIÉTÉS

Liquide.
Miscible avec de l'eau.
Corrosif.
Alcalin. Non combustible.

URGENCE

Premiers secours

INGESTION: Si attente de plus de 15 minutes avant le docteur, PROVOQUER LE VOMISSEMENT (si conscient).

Oeil: Laver sous un jet d'eau (15 mins). Attention médicale.

Peau: Laver le corps avec de l'eau. Retirer les vêtements contaminés. Laver avec de l'eau.

Inhalé: Air frais. Repos, conserver au chaud. Si respiration peu profonde, donner de l'oxygène. Attention médicale.

Informé le docteur: Traiter symptomatiquement. Soins symptomatiques.

LUTTE INCENDIE: Conserver la zone environnante fraîche. Spray/ brouillard d'eau. Polluant. Prévenir une entrée dans les drains.

Informations sur les risques sanitaires

Mention d'avertissement: **Danger**

Déclaration(s) sur les risques: H314 Provoque des brûlures de la peau et des lésions oculaires graves. H351 Susceptible de provoquer le cancer.

PRÉCAUTIONS D'UTILISATION

Contrôles techniques appropriés: Ventilation d'aération générale adéquate.

Lunettes: Masque de visage complet.

Archived Material Mixtures

Select the Archive button from the toolbar to show any archived (deleted/removed) material mixture(s) from the CREDO module only.

Materials

Archive

Import History

P

	Material Name ▾	Version ▾	Issue Date ▾	Part No ▾	DGC ▾	DGS2	PKG ▾	DGS1	Date of Deletion	
☐	Benzo mixture	0.2	26/06/2024		3	None	II	None	26/06/2024	

Materials Button in the Toolbar

Select the Materials button from the Credo toolbar to go back to the current material name grid view.

Materials

Archive

Import History

Print Out

Material Name	Hazard	Review	Issue Date	CW No.	Greenh... (KG C...	Part No	DGC	DGS1	DGS2	PKG	Regulator...
☐ Sodium Hydroxide 60%			26/06/2024	9-00019969	0.77		8	None	None	II	
☐ Love Potion			11/12/2023	9-00007231	0.19		None	None	None	None	

Print, Share, Download

When viewing a document/report, use the **Print**, **Share** or **Download** options from the toolbar to generate reports.

Country	Language	Print	Share	Download
Australia	English			

Exclamation Mark for a Generated Mixture

The grid may show an exclamation mark icon displayed for a mixture 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).

Material Name	Hazard	Review	Issue Date	CW No.	Greenh... (KG C...	Part No	DGC	DGS1	DGS2	PKG	Regulator...
☐ Sodium Hydroxide 60%					77		8	None	None	II	
☐ Love Potion					19		None	None	None	None	

Ingredients within this mixture have been updated, please review and publish SDS

8.0 Preferred Names and Part Numbers

This chapter delves into creating preferred names and part numbers for materials and generating reports that reflect the assigned part numbers and preferred names.

- [Create preferred name](#)
- [Search by preferred name](#)
- [Edit preferred name](#)
- [Create part number](#)
- [Search by part number](#)



A preferred name is any name that can be created and assigned to material for the ease of searching the database. A preferred name is strictly user or domain dependent.

The IUPAC system of naming chemicals can include long and slightly complex chemical names which may also contain alpha-numerical characters. These chemical names tend to be difficult to remember when searching for specific material names to find the exact SDS. The identification of materials within the system extends to the use of part numbers. Common industrial products can be assigned part numbers for ease of searching for SDS.

Part numbers are very useful to use when searching for specific products as a quick and easier way of finding an exact match to locate a particular SDS within the inventory. In the system, there are two types of part numbers:

- Vendor Part Number
- User Part Number/User Part Number (GLOBAL)

i Note that a part number can also be vendor or user dependent. A **Vendor Dependent Part Number** is the type of number reference provided by the manufacturer on the Vendor SDS for that product and it is only applicable to 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.

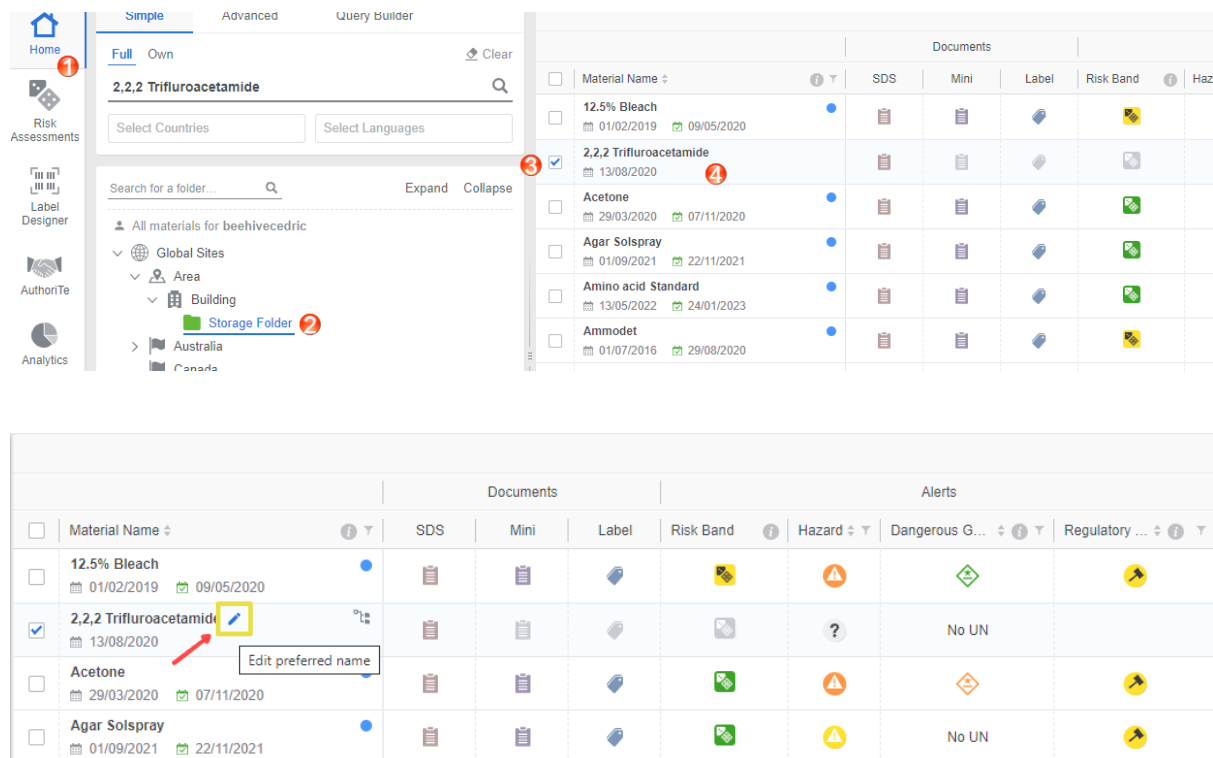
Creating a preferred name or a part number is attributed to user privileges as determined by the administrator of the system within your business or organisation. Some users may only be granted privileges to view preferred names or part numbers, search by those assigned preferred names or part numbers but not able to delete or edit them.

i If uncertain of your privileges regarding preferred names and part numbers, contact the system's administrator within your organisation or send an email to helpdesk@chemwatch.net for further support or visit the live chat.

8.1 Create Preferred Name

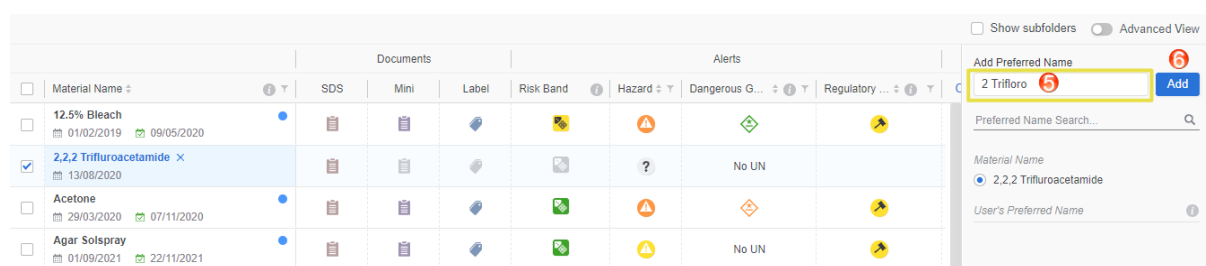
Users granted permission to manage preferred names will be able to create new preferred names for materials and edit the already existing ones. The steps below show how to create a preferred name for a material.

Steps: Create a Preferred Name for a Material



Material Name		SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...
☐	12.5% Bleach 01/02/2019 09/05/2020							
☒	2,2,2 Trifluoroacetamide 13/08/2020						No UN	
☐	Acetone 29/03/2020 07/11/2020							
☐	Agar Solspray 01/09/2021 22/11/2021						No UN	

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the Checkbox for material.
4. Move mouse pointer onto the **Preferred Name edit icon**  alongside the material name and click on it.
5. Enter a **Preferred Name** on the Add Preferred Name text field.
6. Click the Add button.
7. Click the tick  icon to save the record.



Material Name		SDS	Mini	Label	Risk Band	Hazard	Dangerous G...	Regulatory ...
☐	12.5% Bleach 01/02/2019 09/05/2020							
☒	2,2,2 Trifluoroacetamide 13/08/2020						No UN	
☐	Acetone 29/03/2020 07/11/2020							
☐	Agar Solspray 01/09/2021 22/11/2021						No UN	

A message confirming the created preferred name is displayed.

Success
Preferred Name Saved

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous Goods	Regulatory
12.5% Bleach							
2,2,2 Trifluoroacetamide						No UN	
Acetone							
Agar Solspray						No UN	

Add Preferred Name
Preferred Name Search...
Material Name
2,2,2 Trifluoroacetamide
User's Preferred Name
2 Triflora 02/04/2024

The preferred name is shown in the material name column within the grid.

Material Name	SDS	Mini	Label	Risk Band	Hazard	Dangerous Goods	Regulatory
12.5% Bleach							
2 Triflora						No UN	
Acetone							
Agar Solspray						No UN	
Amino acid Standard							

Add Preferred Name
Preferred Name Search...
Material Name
2,2,2 Trifluoroacetamide
User's Preferred Name
2 Triflora 02/04/2024

8.2 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 by Preferred Name from Own Inventory

Home | Simple | **Advanced** | Query Builder

Full | **Own** | Clear

Preferred Name 2 triflora

Sub Risk
UN No
EINECS
Part No
User Part No
Vendor Part No
Structure
Draw
SMILES
Preferred Name

Material Name	SDS	Mini	Label	EPD	Risk Band	Hazard	Dangerous Goods
Henkel Loctite 5031/40LB							No UN
2 Triflora							No UN
Henkel Loctite 5031/40LB							No UN
2 Triflora							No UN
Henkel Loctite 5031/40LB							No UN
2 Triflora							No UN
Henkel Loctite 5031/40LB							No UN

1. Open **Home** module.
2. Click on the **Advanced** tab.
3. Select **Own** link to designate the search path.
4. Click the **Name** drop down arrow.
5. Select **Preferred Name** from the menu.
6. **Type Preferred Name** in the search text field.
7. Click on **magnifying glass** to conduct the search.
8. Select the **Preferred Name** from the search results list to view SDS.

< Back

Chemwatch

2 Trifloro

Chemwatch

Chemwatch: 18-9864
Version No: 5.1
Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 10/12/2021
Print Date: 26/06/2024
S.GHS.AUS.EN

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

Product Identifier

Product name: 2 Trifloro

Synonyms:

Chemical formula: Not Applicable

Other means of identification: Not Available

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

Relevant identified uses: Use according to manufacturer's directions.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Chemwatch	Chemwatch2
Address	1227 Glen Huntly Rd 3163 Victoria Australia	1227 Glen Huntly Rd 3163 Victoria Australia
Telephone	+61395733100	+61395733100
Fax	Not Available	Not Available
Website	Not Available	www.chemwatch.net
Email	helpdesk@chemwatch.net	Not Available

Emergency telephone number

Association / Organisation	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	+61 1800 951 288
Other emergency telephone numbers	+61 3 9573 3188

Main Documents

SDS

MINI

LABEL

RA Report

Compare Documents

MINI

RA Report

A Preferred Name added to a material located in a folder (Own inventory) can be exported through the Report Generator Advanced mode. This data point is available in the Method Builder to benefit users to export that data input made in the materials grid's side panel for specific material(s). Preferred name(s) generally provide clarity, ensuring users refer to the same chemical or product in similar way as their own identification criteria.

It also enhances and facilitates understanding the identification of materials, SDS, label and serves as part of hazard communication within the business or organisation and simplifies record keeping. This reduces the risk of misidentification and helps with emergency response clear identification of hazardous chemicals.

8.2.1 Add and Export Preferred Name(s) Data



The Report Generator feature provides basic and advanced modes to use default or custom templates to export data into a selected spreadsheet report format. The following two activities (Add Preferred Name and Export Preferred Name) illustrate how to add a preferred name for a material and then create a report generator template using the advanced mode to export the respective data based on a few selected datapoints of interest to identifying the materials by their assigned preferred name(s). The following datapoints will be utilised in this case.

- Material Name
- Preferred Name
- Preferred Names
- Preferred Name (GLOBAL)
- Vendor
- Folder Location

Method Builder

Preferred Name

> ☒ Identification

☒ Preferred Name
☒ Preferred Names
☒ Preferred Names (GLOBAL)

Data Point	Split by Rows
Preferred Name	☐
Preferred Names	☐
Preferred Names (GLOBAL)	☐
Vendor	☐
Material Name	☐
SDS Country	☐
SDS Issue Date (Latest)	☐
SDS Language	☐
Location	☐

Individual Data Points 9
(For Mixtures) per Ingredient 0

Report Name Preferred Names Report Save Report Cancel

Data Point Description

Data Point	Description	Notes
<i>The Method Builder mode enables preferred name user data input for a material to be exported into a spreadsheet for further use. These two datapoints are the main ones to reference the actual name of the product and the preferred name(s) set by user.</i>		
Material Name	This is the default name of the material or the name of the product SDS	Material name/Product name (SDS) as registered in the Chemwatch full database
Preferred Name	This is the preferred name of the material or product	The preferred name is defaulted to Own inventory for the material(s) assigned
Preferred Names	These are preferred names of materials or products assigned by users	Preferred names in Own inventory for the materials assigned to them and specific to the folder location (s)
Preferred Names (GLOBAL)	These are preferred names of materials or products assigned by users globally	If the GLOBAL checkbox is selected in the Add Preferred Name side panel of the materials grid, this datapoint shows all available preferred names for materials across the domain account
Folder Location (Optional)	This is the name of the folder within the tree structure	A folder houses the own inventory of materials, and the materials are linked to the product SDS

Add Preferred Name – Materials Grid (Own Inventory)

1. Open **Home** module .
2. Click on **Folder** location to list materials.
3. Click the Checkbox for material.
4. Move mouse pointer onto the **Preferred Name edit icon**  alongside the material name and click on it.
5. Enter a **Preferred Name** on the Add Preferred Name text field. A success message displays confirming the addition of the preferred name.
6. Click the **Add** button.
7. By default, the Checkbox ☒ under **Global** header is selected to enable the preferred name to be displayed across the system wherever the material is located. User has the option uncheck this box to pin the preferred name to current folder.
8. Select the **User's Preferred Name radio button** ☐ to set the preferred name in the material grid.

The preferred name is shown in the material name column within the grid. A message confirming the created preferred name is displayed.

The screenshot shows the GoldFFX interface with a materials grid. A yellow callout box points to the 'Material Name' column, stating: "Notice change of the material name to the set preferred name". A red dotted line connects this callout to the '2 Trifluoro Meth' entry in the grid. Another red dotted line connects the same entry to a success message box in the top right corner that reads: "Success Preferred Name Set".

Material Name	Hazard	Hazard Codes	CAS No	Country	Language	Vendor	Current
MEK		H225, H319, H336, H373	Not Applicable	USA	EN	Acros Organics (Fisher Scientific)	0
Perfluoro-n-[13C8]ox		H225, H301, H311, H319, H331, H360, H370	Not Applicable	CAN	EN	Wellington Laboratories	0
2-(perfluorooctyl)eth		H315, H319, H335, H402	1996-88-9	AUS	EN	Chemwatch	0
2 Trifluoro Meth		H225, H315, H319, H335	352-87-4	AUS	EN	Chemwatch	0

The next activity is to create a report generator template to export the materials data using the advanced mode's specific datapoints.

Export Preferred Name(s) – Data Point in Report Generator

1. Open **Home** module .
2. Click on **the Folder** location to list materials.
3. Select **Checkboxes against the Materials** of interest that have part numbers assigned.
4. Click the **Report Generator** button  on the top right corner of the user interface.
5. Note that the '**Selected**' radio button is the default option to generate the report based on selected materials on the list. Choose an option; **Current Page** or All or simply maintain the default if only specific materials are selected from the list.
6. Click the **Advanced** tab.
7. Click the **Add**  icon to select the respective datapoints in method builder window.
8. Select the **datapoints' checkboxes in the Method Builder**, e.g., in the Identification folder, select the checkboxes for Material Name, Vendor, Preferred Name and add more datapoints of interest from other folder directories such as Own folder location.
9. Enter the name of the report in the **Report Name** text field, e.g., Preferred Names Report.
10. Click the **Save Report**  button. The message display on the top right corner confirms the successful operation.

 Success
User Method Saved

Settings

Advanced

Placarding Bar

	Material Name	Hazard	Hazard Codes	CAS No	Country	Language	Part Number	Vendor
☐	chlorine				—	—	—	
☐	hydrogen sulfide				—	—	—	
☒	acetone				—	—	—	
☒	2,2,2-Trifluoro-N-methyl-N-(trimethylsilyl)ac...	?	No Data	24589-78-4	USA	EN	—	AA Blocks
☒	1H,1H,2H,2H-Perfluorooctyl methacrylate 02/01/2023	?	No Data	2144-53-8	USA	EN	—	Combi-Blocks
☐	hydrochloric acid 23/12/2022 11/10/2023	?	H302, H314, H318, H331, H413	7647-01-0	AUS	EN	—	Chemwatch
☒	methyl propyl ketone 20/06/2022 24/06/2022	?	H225, H302, H304, H315, H319, H335,	107-87-9	AUS	EN	—	Chemwatch

Report Generator

Selected

Current page

All

Basic

Advanced

Report:

Part Numbers Re...

+

-

Report Format:

XLSX

Enable Multiple:

☒

Download Images:

☐

Start Process

Generated Documents

Method Builder

Search...

- ☐ Ingredients
- ☐ PPE
- ☒ Identification
 - ☐ Appearance
 - ☐ CAS Number
 - ☐ Catalogue Name
 - ☐ ChemWatch Number
 - ☐ Current Available SDS
 - ☐ Document No
 - ☐ Extraction Date
 - ☒ Material Name
 - ☐ Material Tags
 - ☐ Material Tags Description
 - ☐ Mini Appearance
 - ☒ Preferred Name
 - ☒ Preferred Names
 - ☒ Preferred Names (GLOBAL)
 - ☒ SDS Country

Data Point	Split by Rows
Preferred Name	☐
Preferred Names	☐
Preferred Names (GLOBAL)	☐
Vendor	☐
Material Name	☐
SDS Country	☐
SDS Issue Date (Latest)	☐
SDS Language	☐
Location	☐

Individual Data Points 9
(For Mixtures) per Ingredient 0

Report Name: Preferred Names Report

Save Report Cancel

11. Select the **Report Format** from the dropdown arrow, e.g., xlsx (spreadsheet file format).
12. Click the **Start Process** button.
13. Wait until the download process is completed at 100% progress bar.

14. Click the **Download** button.
15. **Save** the downloaded file onto your desktop/extension folder.
16. **Open** the downloaded **File** to view the respective data.

The report file name will also contain the download date and will display the exported data based on the selected datapoints, e.g., Preferred Name, Preferred Names, Preferred Names (GLOBAL).

Preferred Names Report

	A	B	C	D	E	F	G	H	I
1	Preferred Name	Preferred Names	Preferred Names (GLOBAL)	Vendor	Material Name	SDS Country	SDS Issue Date (Latest)	SDS Language	Location
2	2 PERM	2 PERM		Chemwatch	2-(perfluorooctyl)ethyl methacrylate	AUS	15/1/2020	EN	Regions/Section/Preferred Names
3	2 Trifluoro Meth	2 Trifluoro Meth	2 Trifluoro Meth	Chemwatch	2,2,2-trifluoroethyl methacrylate	AUS	13/1/2020	EN	Regions/Section/Preferred Names
4	MEK	MEK	MEK	Acros Organics (Fisher Scientific)	Methyl Ethyl Ketone (M209-1, M209-20, M209-200, M209-4, M209-500, M209S-4, M209FB-19, M209FB-50, M209FB-115, M209FB-200, M209RB-115, M209RS-19, M209RS-28, M209RS-50, M209RS-200, M209SS-28, M209SS-50, M209SS-115, M209SS-200)	USA	24/12/2021	EN	Regions/Section/Preferred Names

8.3 Create Part Numbers

A part number is any number used to identify materials/products in the Chemwatch system. Part numbers help to quickly find the material or product by conducting advanced search by part number. There are two main types of part numbers:

- User Part Number
- Vendor Part Number:

A 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).

A 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 numbers are visible in the advanced view grid within the Part Number column.

☐ Show subfolders ☒ Advanced View									
Material Name	CAS No	Part Number	Hazard	Hazard Codes	Country	Language	Vendor	Pha...	
SULPHURIC ACID 70% 24/03/2011		—	?		AUS	EN	George Weston Foods (Jasol Australia)		
DIESEL FUEL 08/01/2024		—	?		USA	EN	Petro-Canada (a part of Suncor Energy)		
Poster Paint 23/12/2022 31/12/2022	Not Applicable	—		H320	AUS	EN	Chemwatch		
12.5% Bleach 01/02/2019 09/05/2020	Not Applicable	—		AUH031, H400, H314	AUS	EN	aiMix Chemicals		
FORMALDEHYDE 41% 23/12/2022 30/12/2022	Not Applicable	—		H290, H301, H311, H314, H317, H318, H331, H350, H360D, H371, H402	AUS	EN	Chemwatch		
Acetone 29/03/2020 07/11/2020	Not Applicable	—		H225, H336, H319	AUS	EN	Sigma-Aldrich (Merck)		

Steps: Add (Create) Part Number

1. Open **Home** module .
2. Click on **Folder name**.
3. Select **Advanced** View switch on the top right corner of the window if the grid view defaults to the Simple View.
4. Hover mouse pointer to Part Number cell along the material name row and select the **Edit** icon . Note that if a part number does not exist for a material, the part number cell displays a dash —.
5. Select the **Add Part Number** text field on the side panel and enter the part number.
6. Click the **Add** button . Message confirms successful operation.
7. Select the **radio button** for the **user's part number**.

 Success ×
 Part No has been saved

Part number display in the Part Number column for the assigned material.

☐ Show subfolders ☒ Advanced View									
Material Name	CAS No	Part Number	Hazard	Hazard Codes	Country	Language	Vendor	Pha...	
SULPHURIC ACID 70% 24/03/2011		1237	?		AUS	EN	George Weston Foods (Jasol Australia)		
DIESEL FUEL 08/01/2024		—	?		USA	EN	Petro-Canada (a part of Suncor Energy)		
Poster Paint 23/12/2022 31/12/2022	Not Applicable	—		H320	AUS	EN	Chemwatch		
12.5% Bleach 01/02/2019 09/05/2020	Not Applicable	—		AUH031, H400, H314	AUS	EN	aiMix Chemicals		

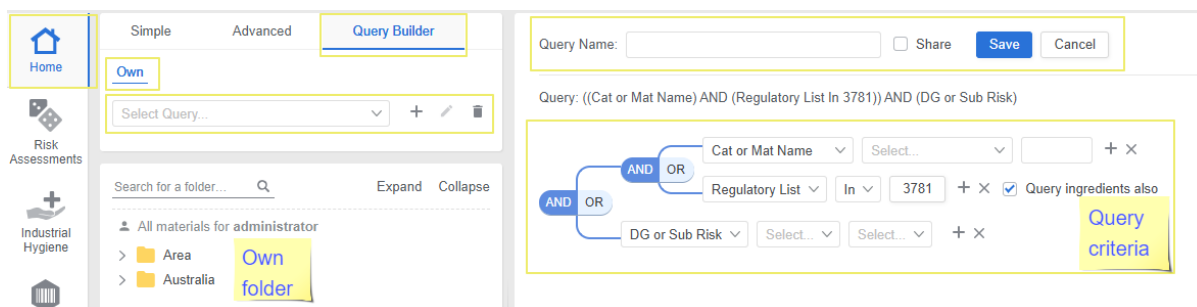
9.0 Query Builder Search

This topic will cover the following objectives.

- Create a query
- Edit a query
- Search operand
- Search by query
- Query builder context menu
- Query ingredients also
- Share query
- User accessibility to query builder mode



Query Builder is an advanced search mode designed to construct search queries for specific chemicals by using a set of rules or search criteria. This mode is accessible through the search panel's "Query Builder" tab.



This chapter provides information on how to use the query builder mode to create queries to search for chemicals of interest located in your own folder inventory. It can be considered as an extension to the Simple Search mode for users that have been granted access to manage queries and run queries in Query Builder mode.

This search mode allows users to refine and tailor their searches by incorporating logical operands (such as AND, OR) and properties to determine which of their chemicals that meet the query search criteria. This search approach enhances the precision in chemical queries to find the relevant chemicals.

- Create a specific query and/or
- Include ingredients to the search query
- Incorporate operands
- Associate a query with tags

Chemical tagging is a practice used to identify markers to substances for the purpose of tracking, analysing data or improving search results for furthering categorisation of chemical search results-based set criteria.

Query Name: Contains Benzene in AUS Regs

Query: ((Cat or Mat Name Contains benzene) AND (Regulatory List In 3781)) AND (DG or Sub Risk Equals 3)

Query search parameter drop down list

Share query with existing tag name

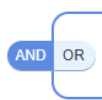
Logical Operands

Query Name: Contains Benzene in AUS Regs

Query: ((Cat or Mat Name Contains benzene) AND (Regulatory List In 3781)) AND (DG or Sub Risk Equals 3)

Logical operands

The Add button **+** in the query allows the addition of the Query Builder operands (Boolean operators) to help refine searches by allowing the combination or exclusion of specific search criteria to narrow down or expand the scope of the query. Combining operands (such as AND, OR) create more complex and precise queries to produce more succinct search results.



These operators assist in navigating complex datasets and extracting relevant information based on the set criteria.

Operator	Button	Description
AND		Used to combine multiple criteria to meet tailored conditions to retrieve records that satisfy all the included terms.
OR		Used to broaden the search by including results that meet at least one of the specified search criteria. It helps explore a wider search to identify an array of related chemicals dependent on the search terms or conditions.

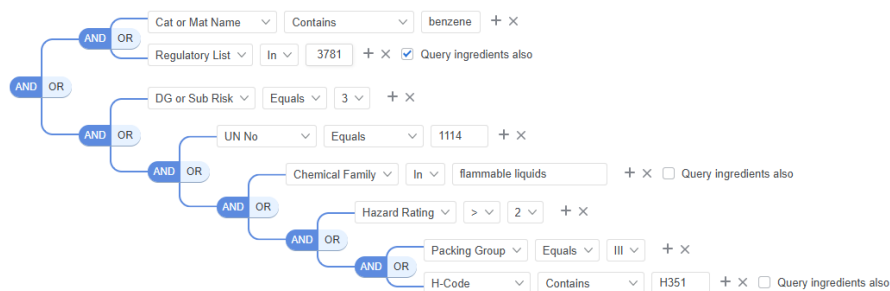
String Operand Drop Down List Options

Equals		
Not Equal		
Contains		
Does not contain		
Starts with		
Ends with		
Does not start with		
Does not end with		
Search Parameters and Operands		
Chemical Family		
In		
Not In		
Hazard Rating		
=		
>		
<		
>=		
<=		
!=		
Unknown		
0		
1		
2		
3		
4		

The example below illustrates the possible combinations of a query using the search parameter to combine and expand a query depending on the search criteria.

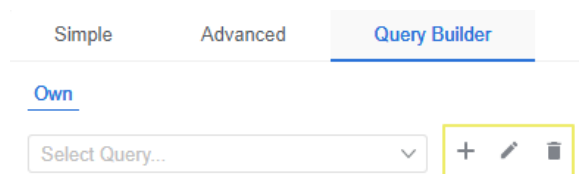
Query Name: ☐ Share

Query: ((Cat or Mat Name Contains benzene) AND (Regulatory List In 3781) AND ((DG or Sub Risk Equals 3) AND ((UN No Equals 1114) AND ((Chemical Family In G9109) AND ((Hazard Rating > 2) AND ((Packing Group Equals III) AND (H-Code Contains H351))))))



9.1 Create a Basic Query

The administrator of the system has the full scope of the Query Builder mode's capabilities by default. The Query Builder mode will show the three buttons to "Add", "Edit" and "Recycle" to create and manage queries.

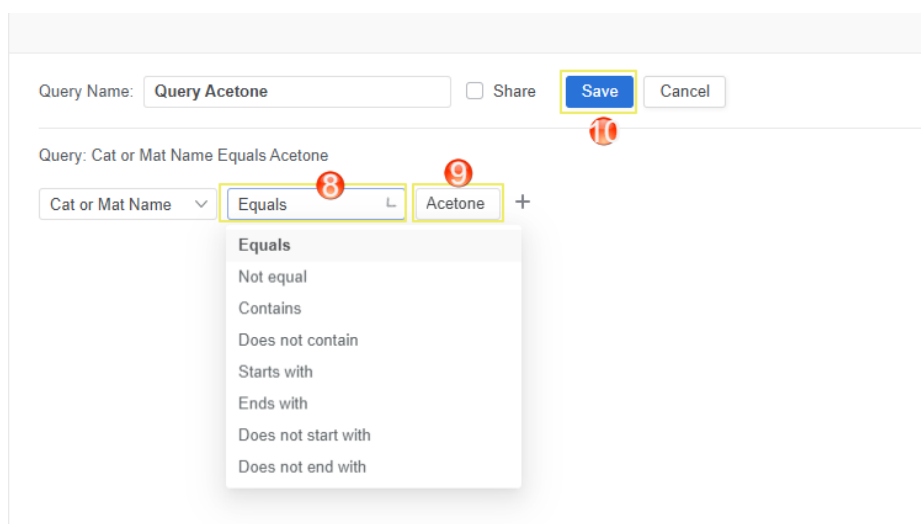
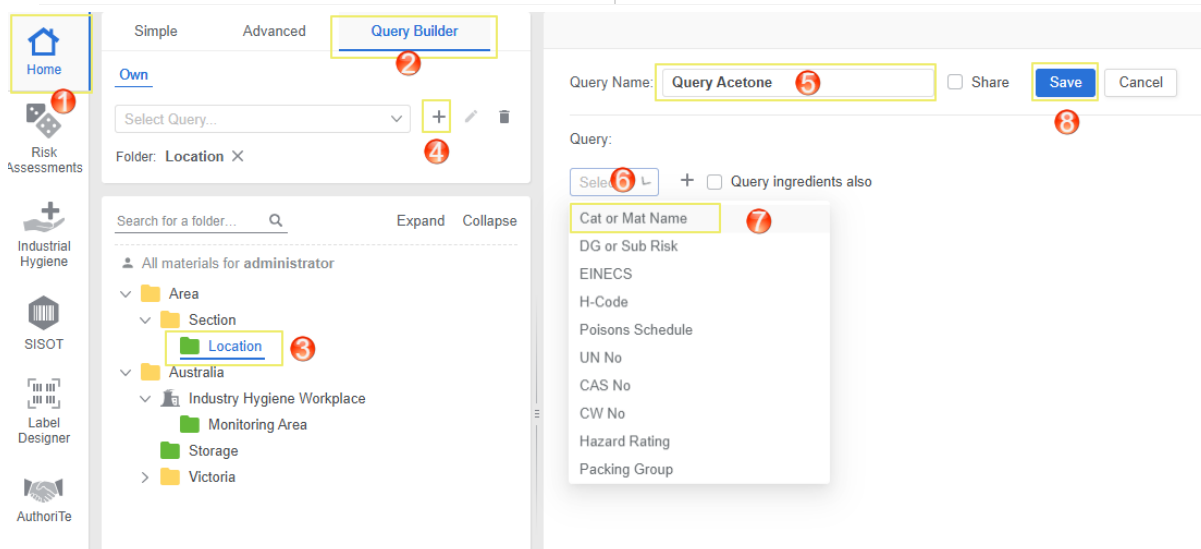


Button	Description
Add 	The Add button enables user to create a query.
Edit 	The Edit button provides user with the ability to edit an existing query.
Recycle 	The Recycle button allows user to delete a query.

The steps below illustrate how to add (create) a query for a Cat or Material Name that equals "Acetone". This search query excludes ingredients. This query is a basic search to illustrate how to create a simple query to find an exact match in your inventory folder.

Steps: Create a Basic Query for a Material

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click on a **Folder** location to list materials.
4. Click the **Add** button  on the search panel to create a query.
5. Type the name of the query in the **Query Name** text field.
6. Click the **drop-down arrow** to list the search **parameter** options.
7. Click the **Query Search Parameter** from the list of options.
8. Click the **Operand** field drop-down arrow to select the string operand, e.g., Equals.
9. Type the **Cat or Material Name** in the text field. In this worked example, the add ingredients option is ignored.
10. Click the **Save** button . Note that the **Share** option for tagging the query is ignored in this worked example.



A message confirms successful operation

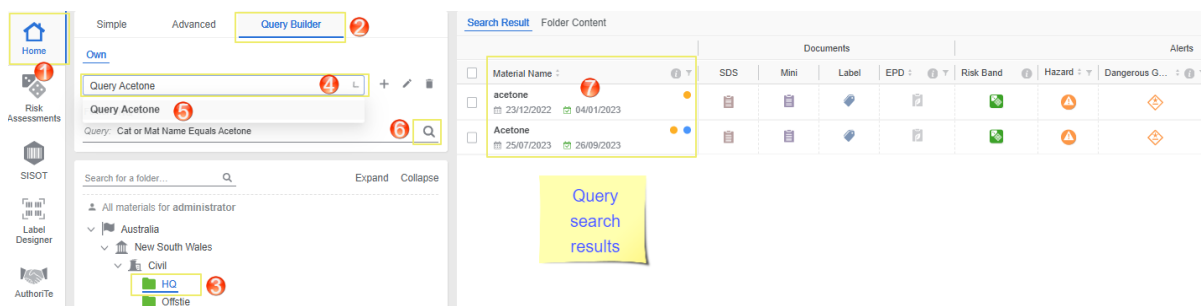
9.2 Search by Cat or Material Name Query

The steps below illustrate how to use an existing search query to quickly find SDS in your own inventory for a product located in a selected folder location. Note that the search query excludes ingredients.

Steps: Search for a Cat or Material Name by Query

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click on a **Folder** location to list materials.
5. Select the **Query Name**.
6. Click the **Magnifying Glass**  to search.
7. Search results display the exact material in the selected folder location.

- Click the drop-down arrow located on the query name text field.

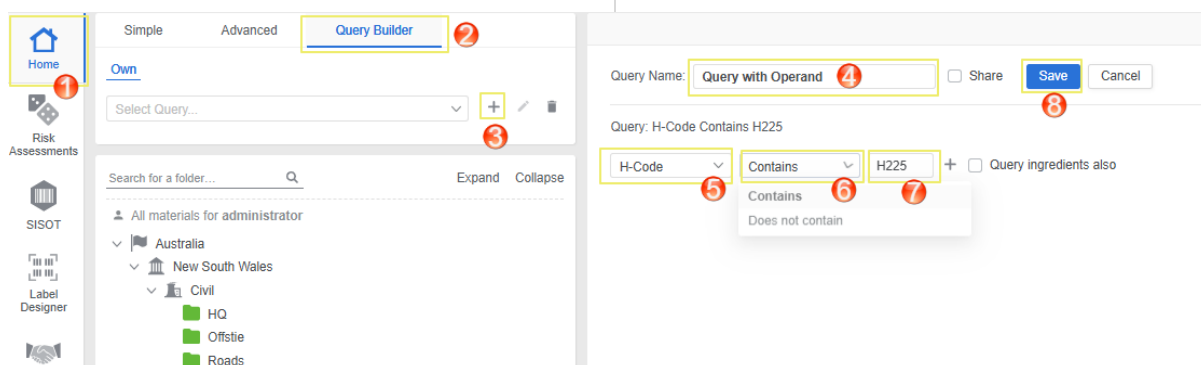


9.3 Create a Query Containing an H-Code and for Search Material(s)

The steps below show how to Add (Create) a query that contains an H-Code to search for hazardous chemicals that are classified as highly flammable liquids, vapours in your inventory. Note that the query excludes searching the database for “Ingredients also”.

Steps: Create a Query that contains an H-Code and Search for Material(s)

- Open **Home** module .
- Click the **Query Builder** tab.
- Click the **Add** button  on the search panel to create a query.
- Type the name of the query in the **Query Name** text field.
- Click the **drop-down arrow** to list the search **parameter** options and select H-Code.
- Click the **Operand** field drop-down arrow to select the string operand, e.g., Contains.
- Type the **H-Code** in the text field, e.g. H225.
- Click the **Save** button .
- Click the **Magnifying Glass**  to search for any material in your own inventory that contains the hazard code H225. This GHS H-Code 255 means that the query will be looking for hazardous chemicals that are classified as highly flammable liquids and vapour.
- Search results display the exact material(s) found in your inventory.



Material Name	CAS No	Hazard	Hazard Codes	Country	Language	Vendor
acetone	67-54-1	2	H225, H319, H336, AUH066	AUS	EN	Chemwatch
benzene	71-43-2	2	H225, H304, H315, H319, H336, H340, H350, H360Fd, H372, H401	AUS	EN	Chemwatch
Ethyl acetate EMPROVE® ESSENTIA...	141-78-6	2	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)
Ethyl acetate EMPROVE® ESSENTIA...	141-78-6	2	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)
Acetone	Not Applicable	2	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)
Acetone	Not Applicable	2	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)
Benzene	71-43-2	2	H225, H304, H315, H319, H340, H350, H372	AUS	EN	Merck Life Science (Sigma-Aldrich)

9.4 Create a Query Containing an Operand and Search for Material(s)

The steps below show how to Add (Create) a query that contains an H-Code to search for hazardous chemicals that are classified as highly flammable liquids, vapours in your inventory. This query will include an Operand (AND, OR) to combine multiple criteria or expand the search to include search results that meet at least one of the specified search criteria. Note that the query excludes searching the database for “Ingredients also”.

Steps: Create a Query that contains an Operand and Search for Material(s)

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click the **Add** button  on the search panel to create a query.
4. Type the name of the query in the **Query Name** text field.
5. Click the **drop-down arrow** to list the search **parameter** options and select H-Code.
6. Click the **Operand** field drop-down arrow to select the string operand, e.g., Contains.
7. Type the **H-Code** in the text field, e.g. H225.
8. Click the **Add button**  to add Operand (AND or OR).
9. Operand defaults to **AND** (you may choose to select OR to expand the search query).
10. Select the search parameter from the drop-down arrow, e.g., **Vendor**.
11. Click the **Operand** field drop-down arrow to select the string, e.g., Contains.
12. Type the specific **Vendor Name** in the text field, e.g. Merck.
13. Click the **Save** button .

Message display successful operation.



14. Click the **Magnifying Glass**  to search for any material in your own inventory that contains the hazard code H225. The query will also include specific Vendor.
15. Search results display the exact material(s) found in your inventory.

Click the "AND" button to switch Operand to "OR"

The search results render found records in your own inventory. In this worked example, the hazard code column displays the H225 code, and the vendor column shows the respective manufacturer “Merck” as per the query operand.

Material Name	CAS No.	Hazard	Hazard Codes	Country	Language	Vendor
Ethyl acetate EMPROVE® ESSENTIA...	141-78-6	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)	
Ethyl acetate EMPROVE® ESSENTIA...	141-78-6	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)	
Acetone	Not Applicable	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)	
Acetone	Not Applicable	H225, H319, H336	AUS	EN	Merck Life Science (Sigma-Aldrich)	
Benzene	71-43-2	H225, H304, H315, H319, H340, H350, H372	AUS	EN	Merck Life Science (Sigma-Aldrich)	

9.5 Regulation Name Query

The query builder mode provides users with a search function to find chemicals within their chemical inventory based on regulatory related instruments. The regulations of chemicals are multifaceted through legislative frameworks designed to ensure safe handling, safe use, labelling, safe storage and disposal to protect human health and the environment. At the core of these instruments are regulatory lists of chemicals, categorised based on their properties, potential hazards and risks.

These regulatory lists form the basis for implementing exposure limits at the local level to adhere to compliance with safety standards. The identification of regulated hazardous chemicals is crucial in ensuring a high level of compliance with chemicals management within the various sectors of the chemical and the environmental economy. The following are some points providing key types of regulatory lists essential for fostering safer working environments and the advancement of chemical risk management.

Regulatory Lists

Summary

Prohibited or Banned Chemical Lists

Chemicals that are banned due to their extreme hazards or potential for misuse, e.g., Annex XVII under REACH.

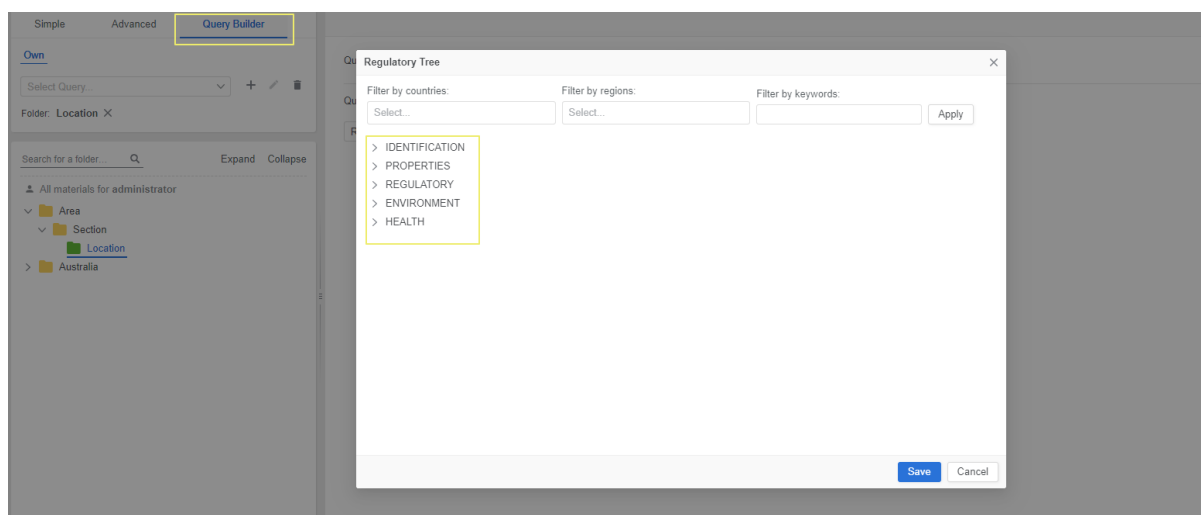
Restricted Chemical Lists

Chemicals permitted only under certain conditions or specific applications, e.g., REACH Regulation, Annex XIV for prior approval requirements of chemical use.

Regulatory Lists	Summary
Substances of Very High Concern (SVHC)	Chemicals with severe health or environmental risks, e.g., Carcinogens, mutagens and reproductive health. For example, REACH identifies SVHCs prioritized for inclusion in the Authorisation List.
Priority Chemical Lists	Chemicals for immediate
Classification Lists	Chemicals classification based on their physical, health and environmental hazards, e.g., GHS provides the standard hazard classes and categories of hazardous chemicals.
Emission or Exposure Limit Lists	Permissible exposure limits (PELs) or emission thresholds to minimize risks to workers and the environment, e.g., OSHA PELs (USA), WHO Guidelines, OELs (Occupational Exposure Limits)

In query builder mode, the regulatory tree structure is categorised with a regulatory tree which consists of the following directories.

- Identification
- Properties
- Regulatory
- Environmental
- Health



The regulatory tree contains filters by:

- Countries
- Regions
- Keywords

These filters help users to narrow down searches for specific information by typing keywords to identify the exact or related regulatory list applicable to the filtering criteria.

Regulatory Tree

Filter by countries:

Afghanistan
Åland Islands
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla
Antarctica
Antigua and Barbuda

Filter by regions:
Select...
International
North America
Central and South America
Asia/Pacific
Europe
Africa/Middle East
Asean
Nordic
The Caribbean
Antarctic Region

Filter by keywords:

Apply

Save

Cancel

Keyword Search Result for “Exposure Limits”

Regulatory Tree

Filter by countries:
Select...

Filter by regions:
Select...

Filter by keywords:
Exposure Limits
Apply

▼ REGULATORY

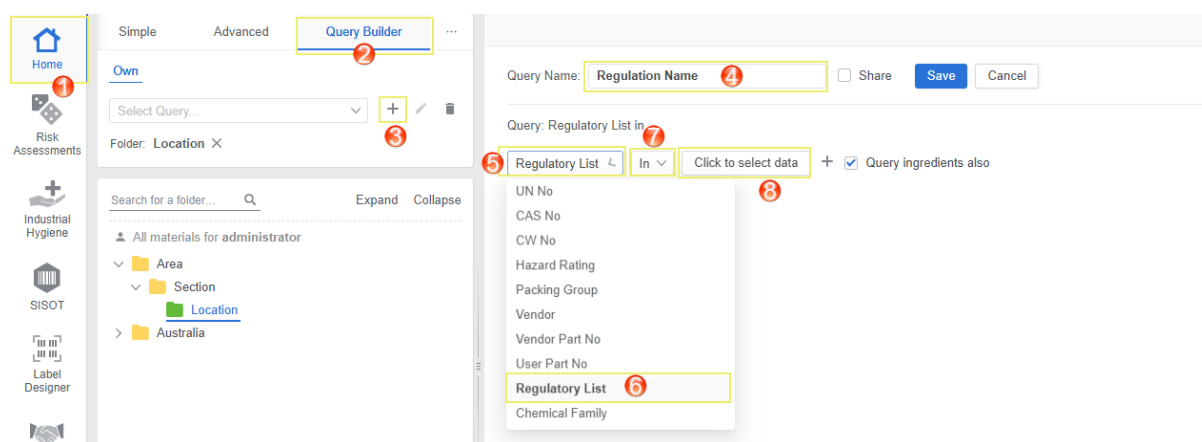
▼ **Exposure Limits**

- ▼ Emergency **Exposure Limits**
 - ☐ US DOE Temporary Emergency **Exposure Limits** (TEELs)
- ▼ Biological **Exposure Limits**
 - ☐ Switzerland Biological **Exposure Limits** (BAT values) (German)
 - ☐ UK Workplace **Exposure Limits** (WELs) - Biological Monitoring Guidance Values
 - ☐ Chile Occupational **Exposure Limits** - Biological Limit Values (Spanish)
 - ☐ Germany Recommended **Exposure Limits** - Biological Workplace Tolerance Values (BAT)
- ▼ Occupational **Exposure Limits**
 - ☐ US - Washington Permissible **exposure limits** of air contaminants
 - ☐ UK Workplace **Exposure Limits** (WELs)
 - ☐ Japan Occupational **Exposure Limits** (Japanese)
 - ☐ Japan Occupational **Exposure Limits** - Provisional Values (Japanese)
 - ☐ Japan Occupational **Exposure Limits** - Reference values corresponding to an individual excess lifetime risk of cancer (Japan)
 - ☐ Japan Occupational **Exposure Limits** for Dusts (Japanese)

Save Cancel

Steps: Create a Regulation Name Query to Search for Materials in Own Inventory

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click the **Add** button  on the search panel to create a query.
4. Type the name of the query in the **Query Name** text field.
5. Click the **Search Parameter drop-down arrow** to list the search parameter options.
6. Select **Regulatory List**.
7. Click the **Operand** field drop-down arrow to select the string operand, e.g., In.
8. Press the “**Click to select data**” field to open the Regulatory Tree window.



9. Filter by **Country**, e.g., United States.
10. Filter by **Region**, e.g., North America.
11. Type the **Keyword** to narrow the search, e.g., Exposure Limit.
12. Click the **Apply** button.
13. Select the relevant exposure limit **regulatory list checkbox** from the results. Note the regulatory code gets displayed in the field.
14. Click the **Save** button  on the regulatory tree window.

Regulatory Tree [X]

Filter by countries: United States of America 9 Filter by regions: North America 11 Filter by keywords: Exposure Limits 11 Apply 12

- REGULATORY
 - Exposure Limits
 - Emergency Exposure Limits
 - ☒ US DOE Temporary Emergency Exposure Limits (TEELs) 15
 - Occupational Exposure Limits
 - ☐ US - Washington Permissible exposure limits of air contaminants
 - ☐ US - Michigan Exposure Limits for Air Contaminants
 - ☐ US - Oregon Permissible Exposure Limits (Z-1)
 - ☐ US OSHA Permissible Exposure Limits (PELs) Table Z-1
 - ☐ US OSHA Permissible Exposure Limits (PELs) Table Z-2
 - ☐ US OSHA Permissible Exposure Limits (PELs) Table Z-3
 - ☐ US NIOSH Recommended Exposure Limits (RELs)
 - ☐ US TSCA New Chemical Exposure Limits (NCEL)
 - ☐ US - Minnesota Permissible Exposure Limits (PELs)
 - ☐ US - California Permissible Exposure Limits for Chemical Contaminants
 - ☐ US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants
 - ☐ US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

14 Save Cancel

15. (Optional) Click the **Query ingredients** **also checkbox** to include any ingredients in the query.

16. Click the **Save** button Save to save the query.

Simple Advanced **Query Builder** ...

Own

Select Query... + -

Folder: Location X

Search for a folder... Expand Collapse

- All materials for administrator
- Area
 - Section
 - Location**
 - Australia

Query Name: Regulation Name Share Save Cancel

Query: Regulatory List in 1238 16

Regulatory List In 1238 + ☒ Query ingredients also

Regulatory List code display

A confirmation message displays successful operation.

✓ Success X

The Query was saved

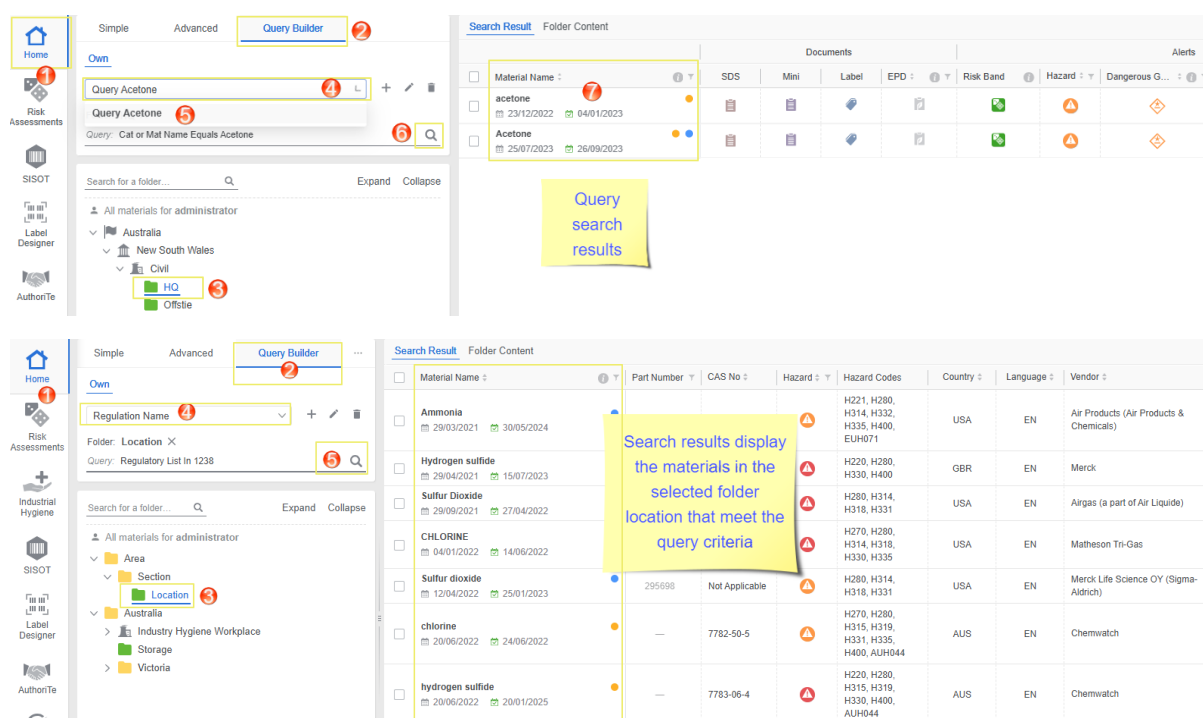
9.5.1 Search by Regulation Name Query

The steps below illustrate how to use an existing search query to quickly find materials in your own inventory for a product located in a selected folder location. Note that the search query includes ingredients.

Steps: Search By Regulation Name by Query

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click on a **Folder** location to list materials.
4. Click the **Query drop-down arrow** located on the query name text field. Select the **Query Name**, e.g., Regulation Name.
5. Click the **Magnifying Glass**  to search.

Search results display the materials in the selected folder location that meet the query criteria, in this case, TEELs chemicals in the exposure limits in the USA instrument.



Query Builder

Simple Advanced **Query Builder**

Own

Query Acetone

Query: Cat or Mat Name Equals Acetone

Search for a folder...

Expand Collapse

All materials for administrator

Australia

New South Wales

Civil

HQ

Offsite

Search Result Folder Content

Material Name	Part Number	CAS No	Hazard	Hazard Codes	Country	Language	Vendor
Ammonia	29/03/2021	30/05/2024		H221, H280, H314, H332, H335, H400, EUH071	USA	EN	Air Products (Air Products & Chemicals)
Hydrogen sulfide	29/04/2021	15/07/2023		H220, H280, H330, H400	GBR	EN	Merck
Sulfur Dioxide	29/09/2021	27/04/2022		H280, H314, H318, H331	USA	EN	Airgas (a part of Air Liquide)
CHLORINE	04/01/2022	14/06/2022		H270, H280, H314, H318, H330, H335	USA	EN	Matheson Tri-Gas
Sulfur dioxide	12/04/2022	25/01/2023		H280, H314, H318, H331	USA	EN	Merck Life Science OY (Sigma-Aldrich)
chlorine	20/06/2022	24/06/2022		H270, H280, H315, H319, H331, H335, H400, AUH044	AUS	EN	Chemwatch
hydrogen sulfide	20/06/2022	20/01/2025		H220, H280, H315, H319, H330, H400, AUH044	AUS	EN	Chemwatch

Search results display the materials in the selected folder location that meet the query criteria

9.6 View Tags

The administrator can assign users to View and/or Manage Tags .

View Tags on the Materials Grid

Material Name		Hazard	Hazard Codes	Vendor	Current	Tags	Pkg
acetone	03/09/2020 20/07/2021		H225, H319, H336	Chemwatch	0 L	Hazardous X	II
Benzene	21/03/2019 06/04/2021		H225, H372, H350, H340, H319, H315, H310, H304	Agilent Technologies	600 L	Flammable Haz... X	II
Diesel	24/02/2022 25/06/2022		AUH006, H411, H351, H332, H304, H227	United Petroleum	9000 L	Flammable Haz... X	III
fluorine	04/10/2019 07/10/2019		H270, H280, H330, H314, H318, H335	Chemwatch	0 L		Not Applicable

Manage Tags on the Materials Grid

Material Name		Hazard	Hazard Codes	Vendor	Current	Tags	Pkg
acetone	03/09/2020 20/07/2021		H225, H319, H336	Chemwatch	0 L	Hazardous X	II
Benzene	21/03/2019 06/04/2021		H225, H372, H350, H340, H319, H315, H310, H304	Agilent Technologies	600 L	Flammable Hazard	II
Diesel	24/02/2022 25/06/2022		AUH006, H411, H351, H332, H304, H227	United Petroleum	9000 L	Flammable Haz... X	III
fluorine	04/10/2019 07/10/2019		H270, H280, H330, H314, H318, H335	Chemwatch	0 L		Not Applicable

Manage Tags on the Materials Grid through the Tags Constructor mode

Material Name		Hazard	Hazard Codes	Vendor	Current	Tags	Pkg	Tag Constructor
acetone	03/09/2020 20/07/2021		H225, H319, H336	Chemwatch	0 L	Hazardous X	II	Name Save Cancel
Benzene	21/03/2019 06/04/2021		H225, H372, H350, H340, H319, H315, H310, H304	Agilent Technologies	600 L	Flammable Haz... X	II	
Diesel	24/02/2022 25/06/2022		AUH006, H411, H351, H332, H304, H227	United Petroleum	9000 L	Flammable Haz... X	III	

10.0 Tags

This topic will cover the following objectives.

- Create a Tag
- Edit a Tag
- Types of Tags
- Share Query with a Tag
- Search by tagged Query
- Filter materials grid by Tags



Tags  are a user defined parameter and an optional feature. The materials grid contains a Materials Tag Constructor that allows users to view and manage/edit  tags and a tag filter  attribute to enable users to filter materials by specific tags.

Material Name	Auto Approval	Phase	Current Volume	DG	S1	S2	PKG	UN No	Material Tags	Added On	R
acetone									Not Applicable		
ACETONE 28/05/2024			0 L						No Data	06/01/2025 06:03:29	
acetone 23/12/2022 04/01/2023	Conditional		0 L	3			II	1090		06/01/2025 06:06:23	
ammonia									Not Applicable		
benzene									Not Applicable		
hydrogen sulfide									Not Applicable		
sulfur dioxide									Not Applicable		
chlorine									Not Applicable		

Generally, a tag is a piece of information that can be used to share information to other users as an alert mechanism or a means of communication about chemicals used within the workplace. Tags can be set as:

- Manual or
- Automatic

Tag Constructor

Search...

Tag Name	Tag Description	Assignment Type	Shared Query	Actions
No Data				

Add New Tag

* Tag Name:

* Tag Description:

Assignment Type: Manual (selected)
Manual
Automatic

When tags are set up, the materials identifiable with tags will be shown in the materials table as shown in the example below.

Material Name	Auto Approval	Pha...	Current	Volume	DG	S1	S2	PKG	UN No	Material Tags	Added On
acetone					Not Applicable						
ACETONE	28/05/2024			0 L	No Data					Flammable	06/01/2025 06:03:29
acetone	23/12/2022 04/01/2023	Conditional		0 L	3				1090	Flammable	06/01/2025 06:06:23
ammonia					Not Applicable						
benzene					Not Applicable						
Benzene	17/05/2024			0 L	No Data						06/01/2025 06:03:53
benzene	23/12/2022 06/01/2025	Conditional		0 L	3			II	1114	Flammable	06/01/2025 06:05:50

Tags can also be associated with queries through the **Query Builder** mode in the search panel using the **“Share”** checkbox function. This feature allows users to query the database for materials also associated with specific tags for ease of identifying materials based on the criteria of the query.

Simple Advanced **Query Builder**

Own

Select Query...

Folder: Location X

Query Name:

Query:

☐ Share

☐ Query ingredients also

10.1 Create a Manual Tag

The following exercise provides an example on how to add (create) a manual tag to identify flammable hazardous chemicals in a folder inventory.

Steps: Create a Manual Tag

The screenshot shows the Chemwatch GoldFFX interface. On the left, the 'Home' module is selected. The main area displays a list of materials with columns for Material Name, Approval, Phase, Current, Volume, DG, S1, S2, PKG, UN No, and Material Tag. The materials listed are acetone, amonia, and benzene. The 'Material Tag' column shows 'Flammable' for acetone and amonia, and 'Not Applicable' for benzene. A red circle with a number 1 highlights the 'Home' icon in the left sidebar.

1. Open **Home** module .
2. Click on a **Folder** location to list materials.
3. Click the **Materials Tags Edit icon**  to open the **Tag Constructor** window.
4. Type the name of the tag in the **Tag Name** in the tag constructor text field.
*Note that this field is required to be filled to save the tag.
5. Enter the Tag Description in the text field. *Note that this field is required to be filled to save the tag.
6. Select the **Assignment Type dropdown arrow** to list options (Manual or Automatic).
7. Select the **“Manual”** assignment type of tag.
8. Click the **Add** button  to save the entry record.

The screenshot shows the 'Tag Constructor' window. The main area is empty with the text 'No Data'. On the right, the 'Add New Tag' form is visible. It contains the following fields:

- Tag Name:** Flammable (highlighted with a red circle 4)
- Tag Description:** Use with caution and follow procedures. (highlighted with a red circle 5)
- Assignment Type:** Manual (highlighted with a red circle 6, with a dropdown arrow next to it)
- Manual** (highlighted with a red circle 7, as the selected option in the dropdown)
- Automatic** (highlighted with a red circle 8, as the unselected option in the dropdown)
- Add** button (highlighted with a red circle 8)
- Clear** button

 At the bottom right, there is a 'Close' button.

Tag Record Entry Display

The screenshot displays the 'Tag Constructor' interface. It features a table with columns: Tag Name, Tag Description, Assignment Type, Shared Query, and Actions. The first row contains the text 'Flammable', 'Use with caution and follow procedures.', and 'Manual'. To the right of the table is a sidebar titled 'Add New Tag' with input fields for 'Tag Name', 'Tag Description', and a dropdown for 'Assignment Type' (currently set to 'Manual'). At the bottom of the table are pagination controls showing '1' of 10 pages.

Tag Name	Tag Description	Assignment Type	Shared Query	Actions
Flammable	Use with caution and follow procedures.	Manual		

10.2.1 PFAS Regulatory Query and Automatic Tagging

In the chemicals management space, there is an increase in attention on PFAS (Per-and Polyfluoroalkyl Substances) by regulators and stakeholders as this group of manufactured chemicals can be found in water, soil, air, food, homes or workplaces. PFAS related regulations in the USA provide the framework for hazardous and non-hazardous management of waste. PFAS Chemical Lists were developed by EPA and the international community to assist businesses and organisations to identify PFAS chemicals for compliance purposes.

Exposure to PFAS

Research has shown that people can be exposed to PFAS by:

- Working in occupations such as firefighting, chemical manufacturing and processing.
- Drinking water contaminated with PFAS.
- Consuming foods that may contain PFAS, including fish.
- Swallowing contaminated solid or dust.
- Using products made with PFAS or packaged in materials that contain PFAS.
- Breathing air that contains PFAS.

Health Effects of PFAS

Peer reviewed scientific studies show that exposure to certain levels of PFAS may result in:

- Reproductive effects in pregnant women.
- Development effects or delays in children.
- Reduced ability of the body's immune system to fight infections.
- Interference with the body's natural hormones.
- Increased cholesterol levels, risk of obesity.

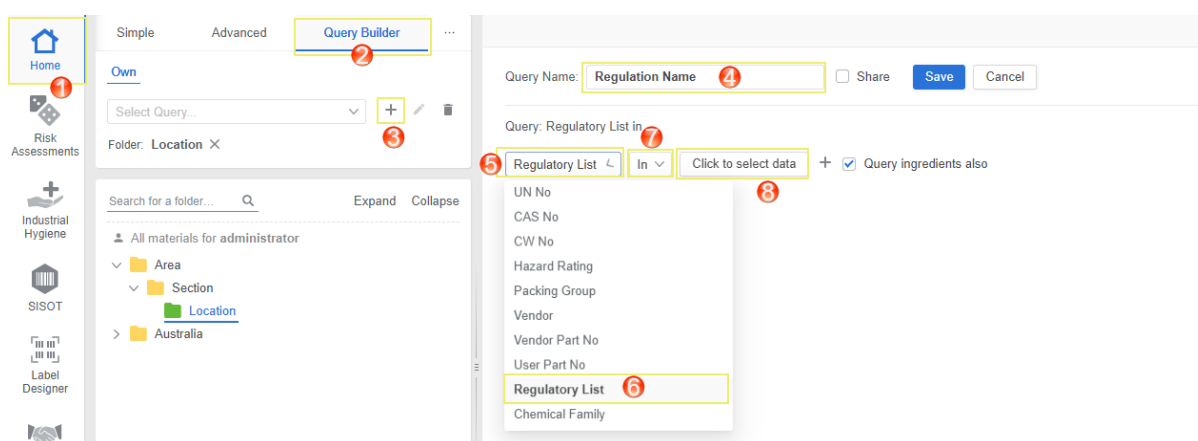
The following exercise provides an exercise on how to add (create) an automatic tag to identify PFAS chemicals in a folder inventory. The information below will help build a query that will be

associated with an automatic tag using the predefined items.

Query name	PFAS Chemical Query
Regulatory	Environment - PFAS
	Regulatory - PFAS
	Hazardous Materials - PFAS
Country	United States
Chemical Inventory	Folder location containing an inventory of chemicals
Tags	PFAS tag must be created as an automatic tag to easily identify any chemicals when using the search query.
Query Builder user attributes	Users must be permitted to create queries in query builder mode and set automatic tags.

Steps: Create a PFAS Regulatory Query to Identify PFAS Chemicals

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click the **Add** button  on the search panel to create a query.
4. Type the name of the query in the **Query Name** text field, e.g., PFAS Chemical Reg Query.
5. Click the **Search Parameter drop-down arrow** to list the search parameter options.
6. Select **Regulatory List**.
7. Click the **Operand** field drop-down arrow to select the string operand, e.g., In.
8. Press the **“Click to select data”** field to open the Regulatory Tree window.



9. Filter by **Country**, e.g., United States.
10. Filter by **Region**, e.g., North America.
11. Type the **Keyword** to narrow the search, e.g., PFAS.
12. Click the **Apply** button.
13. Select the relevant exposure limit **regulatory list checkbox** from the results. Note the regulatory code gets displayed in the field.
14. Click the **Save** button  on the regulatory tree window.

Regulatory Tree

Filter by countries: United States of America  9

Filter by regions: North America  11

Filter by keywords: PFAS  1

Apply 

ENVIRONMENT

PFOS, PFAS, PFOA and Related Compounds

☐ US - Kentucky PFAS firefighting foam restrictions

☒ US EPA Master List of PFAS Substances 

☐ US Interstate Technology & Regulatory Council (ITRC) PFAS Environmental Fate and Transport fact sheet - Table 3-1 Log Koc \

☐ US Interstate Technology & Regulatory Council (ITRC) Naming Conventions and Physical and Chemical Properties of Per- and I

☐ US EPA PFAS: Collection of GC-MS and LC-MS standards: Food Contact Materials

☐ US EPA PFAS: Cross-Agency Research List

☐ US EPA PFAS: ToxCast Chemical Inventory

☐ US EPA PFAS: List of 75 Test Samples (Set 1)

☐ US EPA PFAS: Chemical Inventory Insoluble in DMSO

☐ US EPA PFAS: Listed in OECD Global Database

☐ US EPA PFAS: List from the Swedish Chemicals Agency (KEMI) Report

☐ US EPA PFAS: NORMAN Community-Compiled List

☐ US EPA PFAS: Structure-based Categories

☐ US EPA PFAS structures in DSSTox

 **Save** Cancel

15. (Optional) Click the **Query ingredients also checkbox** to include any ingredients in the query.

16. Select the **"Share"** checkbox to associate the query with the automatic tagging feature.

17. Click the **Save** button  to save the query.

Simple Advanced **Query Builder**

Own

Select Query...

Search for a folder... Expand Collapse

All materials for administrator

Area

Section

Location

Australia

Query Name: PFAS Chemical Reg Query  Share  Save Cancel

Query: Regulatory List in 7400

Regulatory List In 7400 +  Query ingredients also

Regulatory List code

Select the "Share" Checkbox to enable "Automatic Tag" to associated with the query.

A confirmation message displays successful operation.

 Success

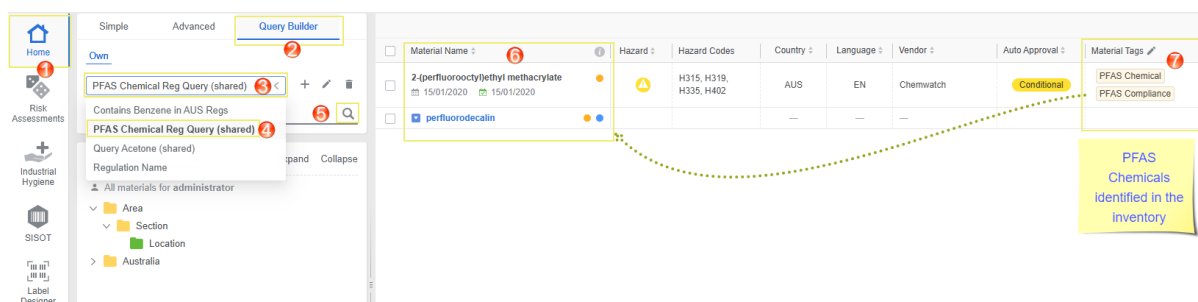
The Query was saved

10.2.2 Search by Regulation Name Query to Find PFAS Chemicals

The steps below show how to use an existing search query to quickly find materials in your own inventory for PFAS chemicals. Note that the search query includes ingredients.

Steps: Search By Regulation Name by Query to Find PFAS Chemicals

1. Open **Home** module .
2. Click the **Query Builder** tab.
3. Click the **Query drop-down arrow** located on the query name text field.
4. Select the **Query Name**, e.g., PFAS Chemical Reg Query.
5. Click the **Magnifying Glass**  to search by query for PFAS chemicals.
6. Search results display the materials in your own inventory that meet the query criteria, in this case, PFAS chemicals.
7. The PFAS Compliance tag is also displayed automatically within the Material Tag Name column for each material row.



10.2 Create an Automatic Tag and Set a Query

Automatic tags improve searchability and consistency in identifying specific materials in your own inventory based on predefined rules. Automatic tags can be shared with queries in Query builder mode to automatically tag materials based on a search criteria.

This feature helps users to categorize data efficiently without requiring any manual input, especially when handling with a large pool of data. The following exercise provides an example on how to add (create) an automatic tag and add a description of the tag.

Steps: Create an Automatic Tag

The screenshot shows the Chemwatch GoldFFX interface. On the left is a sidebar with navigation icons for Home, Risk Assessments, Industrial Hygiene, SISOT, and Label. The main area is titled 'Simple' and contains a search bar and a list of materials. The materials list includes columns for Material Name, Approval, Phase, Current, Volume, DG, S1, S2, PKG, UN No, and Material Tag. Materials listed include acetone, amonnia, and benzene, each with a 'conditional' tag and a 'Flammable' label.

1. Open **Home** module .
2. Click on a **Folder** location to list materials.
3. Click the **Materials Tags Edit icon**  to open the **Tag Constructor** window.
4. Type the name of the tag in the **Tag Name** in the tag constructor text field.
**Note that this field is required to be filled to save the tag.*
5. Enter the **Tag Description** in the text field, e.g. PFAS Chemical, EPA Reporting. **Note that this field is required to be filled to save the tag.*
6. Select the **Assignment Type dropdown arrow** to list options (Manual or Automatic) and select the “**Automatic**” assignment type of tag.
7. Select the “**Shared Query**” name. **Note that this field is required.*
8. Click the **Add** button  to save the entry record.

The screenshot shows the 'Tag Constructor' window. It has a table with columns: Tag Name, Tag Description, Assignment Type, Shared Query, and Actions. The table contains two rows: 'Flammable' (Manual) and 'PFAS Chemical' (Automatic). To the right is the 'Add New Tag' form with fields for Tag Name, Tag Description, Assignment Type, and Shared Query, each with a red circle number indicating the step. The 'Add' button is at the bottom right.

Tag Name	Tag Description	Assignment Type	Shared Query	Actions
Flammable	Use with caution and follow procedures.	Manual		
PFAS Chemical	Per- and Polyfluoroalkyl Substance, EPA Reporting for Compliance.	Automatic	PFAS Chemical Reg Query	

Add New Tag

* Tag Name: PFAS Compliance 4

* Tag Description: Appears in Per-and Polyfluoroalkyl Substances Chemical List 5

Assignment Type: Automatic 6

* Shared Query: PFAS Chemical Reg Qu... 7

8 Add Clear

Close

Tag Record Entry Display

Tag Constructor

Search...

Q

Tag Name	Tag Description	Assignment Type	Shared Query	Actions
Flammable	Use with caution and follow procedures.	Manual		
PFAS Chemical	Per-and Polyfluoroalkyl Substance, EPA Reporting for Compliance.	Automatic	PFAS Chemical Reg Query	
PFAS Compliance	Appears in Per-and Polyfluoroalkyl Substances Chemical List	Automatic	PFAS Chemical Reg Query	

< 1 >

10 / page

Add New Tag

* Tag Name : PFAS Compliance

* Tag Description : Appears in Per-and Polyfluoroalkyl Substances Chemical List

Assignment Type : Manual

Add

Clear

Close

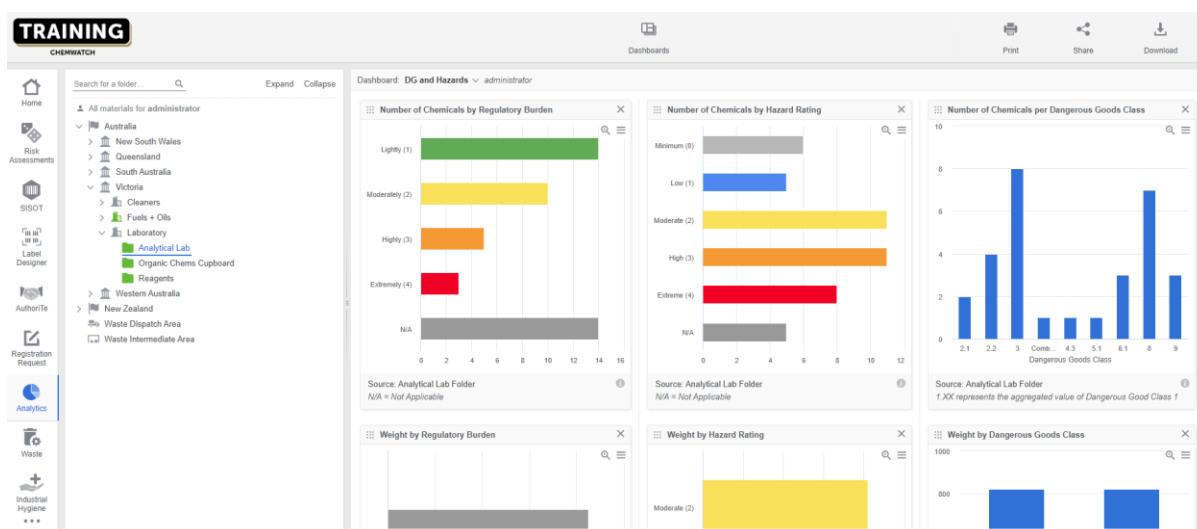
11.0 Analytics

This topic will cover the following objectives.

- Create dashboards (Default/Private)
- Editing dashboards
- Create widgets
- Types of charts
- Dashboard layout options
- Print, share or download dashboard report



The **Analytics** module  provides users with a tool to create widgets and draw data from the business inventory to generate reports and statistical information. The module pulls data from the Own collection based on selected widgets to generate charts for analytical use.



Analytics Features	Attributes
Folders Panel Users can view folder panel and select the respective folder location to use as a source of data generation for analytics.	• Folder structure • Folder inventory • Data source (Own collection)
Categories of Dashboard Widgets The following dashboard widgets categories are available to pull data for analytics. • Dangerous Goods Class • Dangerous Goods Class and Packing Group	List of Widgets • Number of Materials per Dangerous Goods Class • Weight by Dangerous Goods Class

- Regulatory Burden
- Hazard Rating

Chart Data is grouped by:

- Number of materials
- Weight

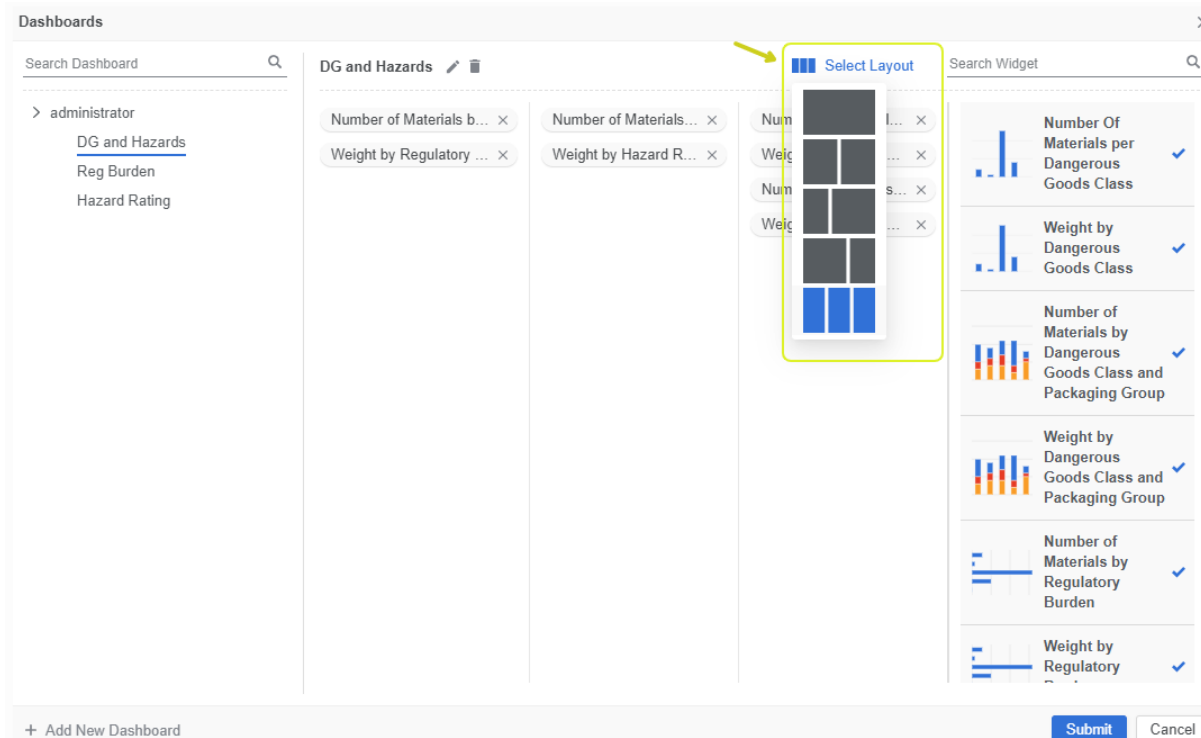
- Number of Materials by Dangerous Goods Class and Packing Group
- Weight by Dangerous Goods Class and Packing Group
- Number of Materials by Regulatory Burden
- Weight by Regulatory Burden
- Number of Materials by Hazard Rating
- Weight by Hazard Rating

Dashboard Layout

The Analytics module interface provides dashboard layout options to display reports visualization on how widgets are arranged. Each layout option is shown as a small schematic preview of grey block indication different layout structures:

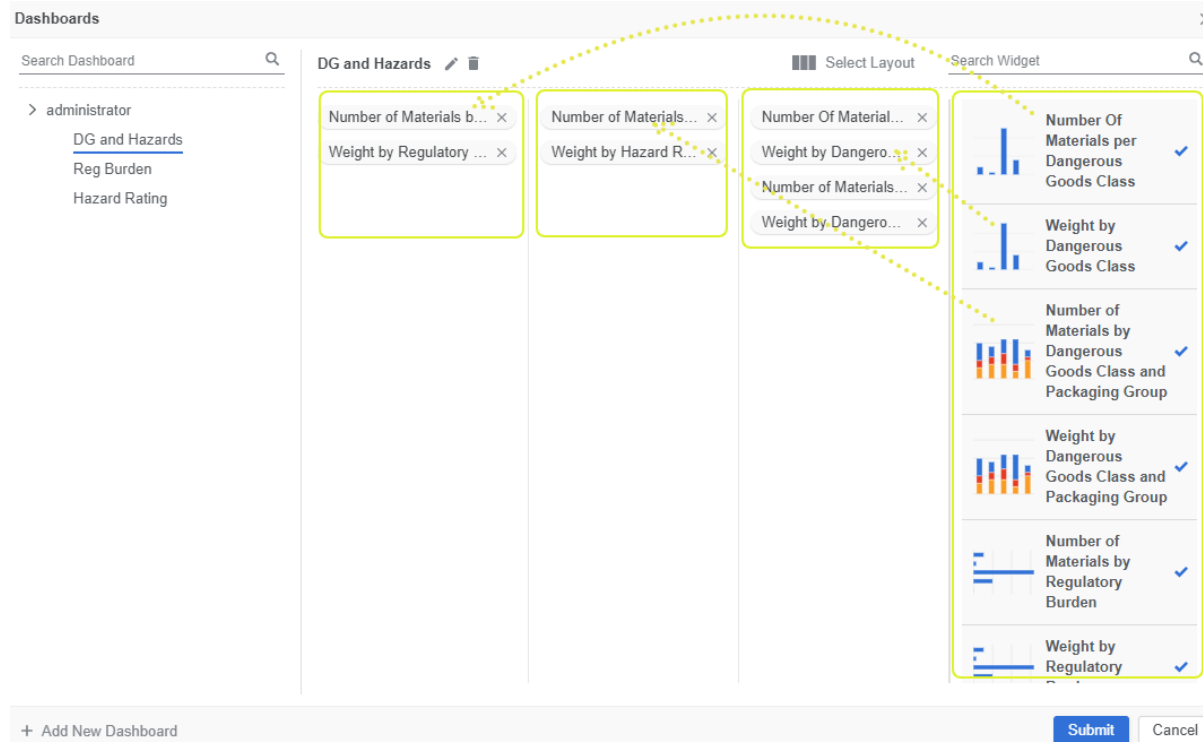
- Single Layout Full Width (Top Option)
- Two-Column 50/50 Split Layout (Second Row)
- Repeated Two-Column Layout (Third and Fourth Row)
- Three-Column Layout (Fifth Row)

The layout selector allows users to define how many widgets will show per row and how space is distributed for visual hierarchy of the dashboard.

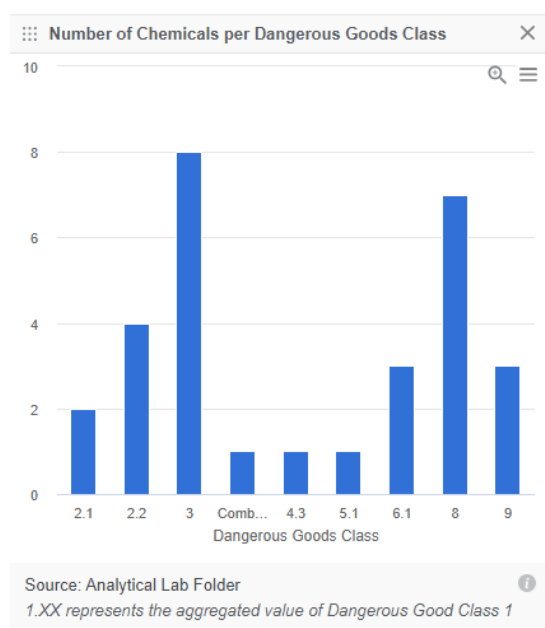


Dashboard Builder

The dashboard builder enables users to drag and drop widgets into the segmented columns based on the layout configuration to populate with widget charts.



The graph below shows the number of chemicals per dangerous goods class for a selected folder inventory.



The dashboard used in this example is generated based on the “Number of Chemicals per Dangerous Goods Class” widget.

DG Class Distribution

The graph depicts a typical inventory visibility and tracking the number of dangerous goods by DG Class for specific folder location.

Objective

Display how the inventory is distributed across DG Classes using a bar graph visualization of data,

Example

- Dangerous Goods Class
X-axis: DG Class (1-9)
- Aggregated Quantity
Y axis: Value (Number of Chemicals per DG Class)

11.1 Create a Dashboard and Generate Report

The steps below illustrate how to create a dashboard and add widgets to generate statistical data based on a selected folder inventory.

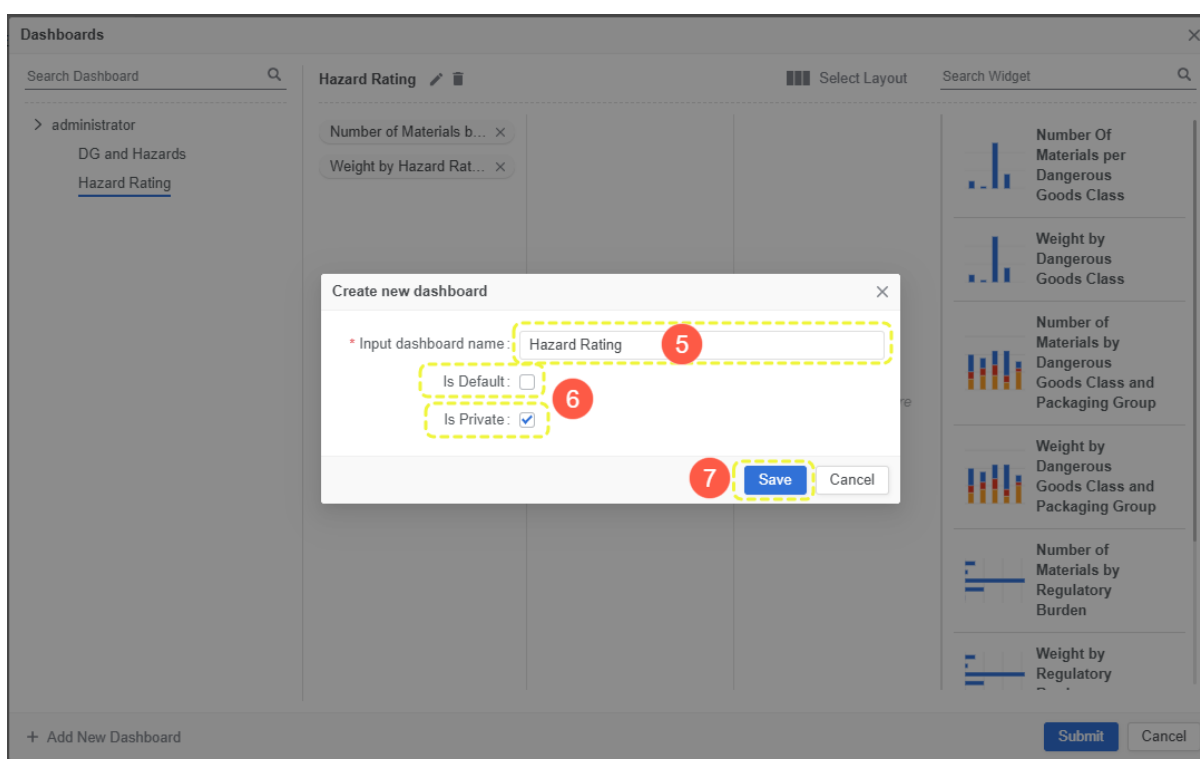
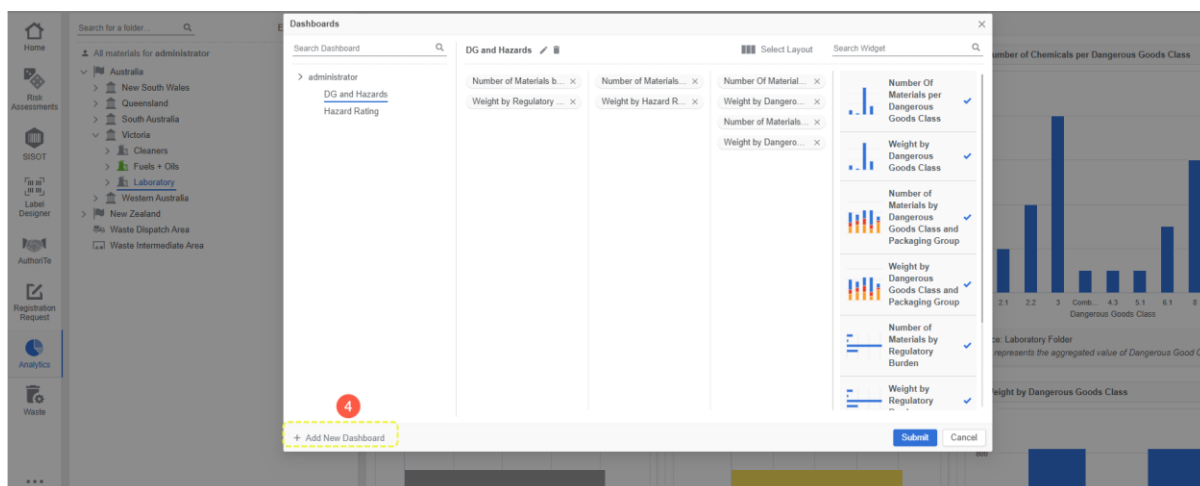
Steps: Create Dashboard and Add Widgets to Generate Data

1. Click the **Analytics** module button .
2. Click on a **Folder** location.

Note that the folder inventory will be used as the source of data to be generated in a dashboard.

3. Click the **Dashboard** button  on the analytics toolbar.
4. Click **Add + New Dashboard** at the bottom left corner of the dashboard window.
5. Input the **Dashboard Name**.
6. Select checkbox for “Is Default” and/or “Is Private”.
7. Click the **Save** button to save dashboard name with attribute.

8. Select **Widget(s)** on the right-hand side panel and drag and drop it into the segment layout. The following widgets are used as an example.
 - Number of materials by Hazard Rating
 - Weight by Hazard Rating
9. Click the **Layout** button  on the top right section of the dashboard window.
10. Select the **Layout option** that best suites data presentation style.
11. Click the **Submit** button to save the dashboard and widgets to generate statistical data.
12. Dashboard widgets statistical information is generated based on selected folder inventory. Select Download option format.



Dashboards

Search Dashboard

administrator

- DG and Hazards
- Hazard Rating

Hazard Rating

Number of Materials b... x

Weight by Hazard Rat... x

Weight by Regulator... x

Number of Materials... x

8

Drag your Widget Here

Number of Materials by Dangerous Goods Class and Packaging Group

Weight by Dangerous Goods Class and Packaging Group

Number of Materials by Regulatory Burden

Weight by Regulatory Burden

Number of Materials by Hazard Rating

Weight by Hazard Rating

+ Add New Dashboard

Submit Cancel

Dashboards

Search Dashboard

administrator

- DG and Hazards
- Hazard Rating

Hazard Rating

Number of Materials b... x

Weight by Hazard Rat... x

Weight by Regulator... x

Number of Materials... x

9

10

Drag your Widget Here

Number of Materials by Dangerous Goods Class and Packaging Group

Weight by Dangerous Goods Class and Packaging Group

Number of Materials by Regulatory Burden

Home

Risk Assessments

SISOT

Fit at

Label Designer

AuthorTe

Registration Request

Analytics

Waste

Search for a folder...

Expand Collapse

All materials for administrator

- Australia
 - New South Wales
 - Queensland
 - South Australia
 - Victoria
 - Cleaners
 - Fuels + Oils
 - Laboratory**
 - Western Australia
 - New Zealand
- Waste Dispatch Area
- Waste Intermediate Area

Hazard Rating administrator

Number of Chemicals by Hazard Rating

Minimum (0)

Low (1)

Moderate (2)

High (3)

Extreme (4)

N/A

Source: Laboratory Folder

N/A = Not Applicable

Weight by Hazard Rating

Moderate (2)

Source: Laboratory Folder

N/A = Not Applicable

Number of Chemicals by Regulatory Burden

Lightly (1)

Moderately (2)

Highly (3)

Extremely (4)

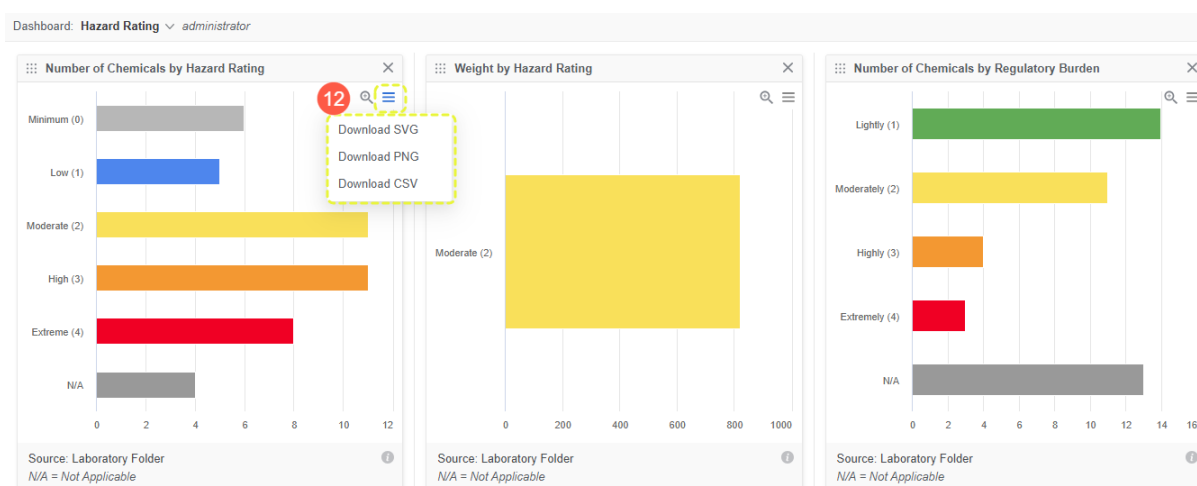
N/A

Source: Laboratory Folder

N/A = Not Applicable

Weight by Regulatory Burden

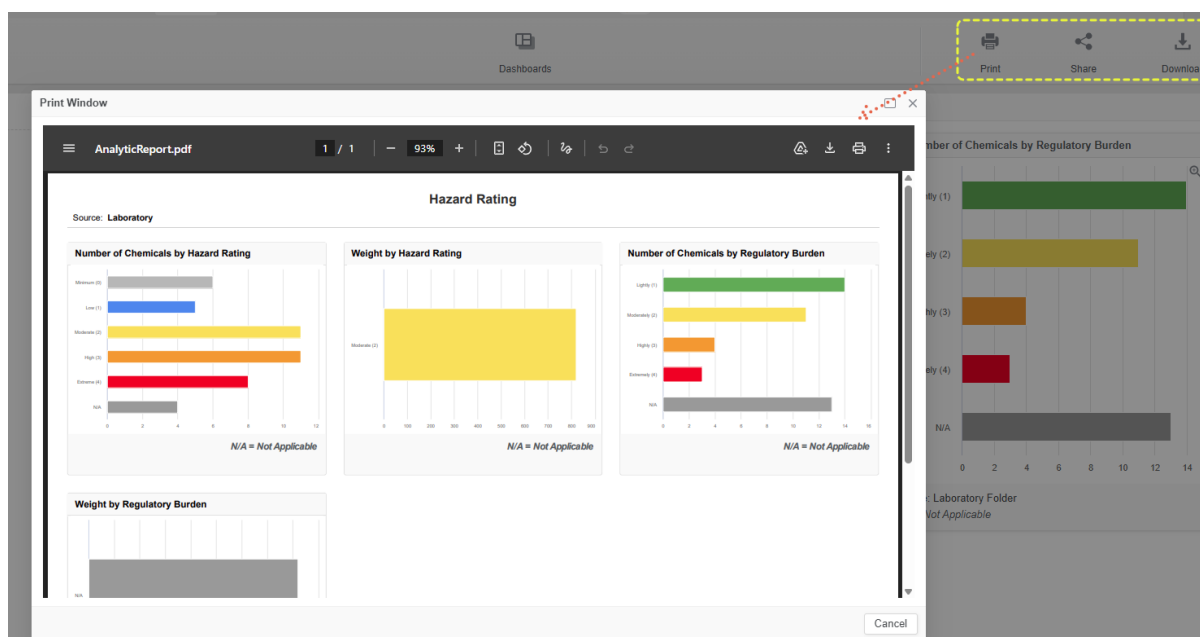
Dashboard Widgets Report Data in Graphical (X-Y) Representation



Generated data can be downloaded in three formats:

- SVG
- PNG
- CSV

Print, Share or Download the report using the UI PSD toolbar options.



Appendix

Alternative and Special Documents Descriptions

The documents view mode provides other optional documents when viewing a product's SDS.

- Main Documents
- Alternative Documents
- Special Documents

List of Documents

The table below lists the variety of documents available in documents view mode.

Main Documents	Alternative Documents	Special Documents
• SDS • Mini	• Chemwatch SDS • Chemwatch MINI SDS • First Aid • PPE • Toxicological • Environmental • Fire Fighting • Spills • SOP • Advice to Doctor • CHINA	• HPD (Health Product Declaration) • EPD (Environmental Product Declaration)

Document Type Descriptions

Main Documents	Description
SDS	Provides access to the manufacturer or vendor SDS, full safety data sheet of the selected product.
Mini	Mini is a one-page hazard summary safety data sheet.
Alternative Documents	Description
Chemwatch SDS	Displays the independently authored full Chemwatch safety data sheet for the selected chemical name. The document is also colour coded depicting the hazard rating of the chemical.
Chemwatch Mini	Renders the Chemwatch independently authored one-page hazard summary safety data sheet for the selected chemical name. The document is also colour coded depicting the hazard rating of the chemical.

First Aid	Renders the Chemwatch authored First Aid report with first aid measure response to ingestion, eye contact, skin contact, inhalation, and indication of any immediate attention. This information includes exposure symptoms, medical attention and special treatment. The document is also colour coded depicting the hazard rating of the chemical.
PPE	Provides access to PPE (Personal Protective Equipment) information on individual protection measures (PPE graphics relevant for the selected chemical), eye and face protection details, skin protection, hands and feet protection, body protection, thermal hazard (if applicable for the selected chemical), respiratory protection (where applicable for the selected chemical). The document is also colour coded depicting the hazard rating of the chemical.
Toxicological	Provides access to the most important symptoms and health effects (both acute and delayed) for inhalation, ingestion, skin contact, eye contact, chronic and indication of any immediate medical attention and special treatment. The document is also colour coded depicting the hazard rating of the chemical.
Environmental	Renders an environmental report with information on the chemical effects, key chemical properties; solubility, volatility, environmental fate, marine pollutants and ecotoxicity. The document is also colour coded depicting the hazard rating of the chemical.
Fire Fighting	Provides the classification details for dangerous good/hazardous chemical and flammability rating (in accordance with NFPA where applicable). The information is important for fighting measures during an emergency and details the chemical properties, emergency response, extinguishing media, fire explosion hazard, fire-fighting details. The document is also colour coded depicting the hazard rating of the chemical.
Spills	Renders a spills and disposal report with emergency response information for minor spills, major spills and the class of the chemical and release information for land spills (small, medium). The document is also colour coded depicting the hazard rating of the chemical.
SOP	The Standard Operating Procedure (SOP) report provides information on the exposure controls appropriate engineering controls, types of contaminants, precautions for safe handling, storage incompatibility, eye and face protection, skin protection, hands and feet protection, body protection, respiratory protection and any other protection. The document is also colour coded depicting the hazard rating of the chemical.
Advice to Doctor	The report provides first aid advice to doctors and symptomatic treatment for acute or short repeated exposure, medical toxicology, dermal, eye, oral and systemic management information. The document is also colour coded depicting the hazard rating of the chemical.

CHINA	ChInA is an acronym for “Chemical Incident Advisory” codes and the report provides information on how to deal with spills (minor or major), fires, contact with water and other emergencies. The data is codified to give emergency responders details and protective actions at a glance to manage the incidence, whilst minimizing the risk of miscommunication and the nature of the hazard and required response. The document is also colour coded depicting the hazard rating of the chemical.
Special Documents	Description
HPD	Health Product Declaration report (HPD) report is a standard document that provides transparency about the material/chemical and its health impact associated with building and construction, promoting healthier working environments, and easily identify products that may pose risks to human health and the environment through Chemwatch hazard ratings and regulatory burden.
EPD	Environmental Product Declaration (EPD) report provides essential insights into the product’s environmental impact, showcases the product’s carbon footprint and other important sustainability metrics, including water depletion, land/water usage, pollution and more.

Summary Structure of SDS

Comprehensive SDS structure requirements are available in the code of practice for the preparation of SDS.

Section	Headers
1. Product identifier & identity for the chemical	- Product Identifier - Other means of identification - Recommended use of the chemical and restrictions on use - Suppliers name, address, and phone number - Emergency phone number
2. Hazard Identification	- Classification of the hazardous chemical - Label elements, including precautionary statements - Other hazards which do not result in classification
3. Composition/information on ingredients	- Identity of chemical ingredients - CAS number and other unique identifiers - Concentration of ingredients
4. First Aid Measures	- Description of necessary first aid measures - Symptoms caused by exposure - Medical Attention and Special Treatment
5. Fire Fighting Measures	- Suitable extinguishing media - Specific hazards arising from the chemical - Special protective equipment and precautions for fire fighters
6. Accidental release measures	- Personal precautions, protective equipment, and emergency procedures - Environmental precautions - Methods and materials for containment and cleaning up
7. Handling and Storage	- Precautions for safe handling - Conditions for safe storage, including any incompatibilities
8. Exposure controls/personal protection	- Control parameters – exposure standards, biological monitoring - Appropriate engineering controls - Personal protective equipment (PPE)
9. Physical and chemical properties	- Appearance - Odour - Odour threshold - pH - Melting point/freezing point - Boiling point and boiling range - Flash point - Evaporation rate

	• Flammability • Upper/lower flammability or explosive limits • Vapour pressure • Vapour density • Relative density • Solubility • Partition coefficient: n-octanol/water • Auto-ignition temperature • Decomposition temperature • Viscosity • Specific heat value • Particle size • Volatile organic compounds content • % volatile • Saturated vapour concentration • Release of invisible flammable vapours and gases
Additional parameters	• Shape and aspect ratio • Crystallinity • Dustiness • Surface area • Degree of aggregation or agglomeration • Ionisation (redox potential) • Biodurability or biopersistence
10. Stability and Reactivity	• Reactivity • Chemical stability • Conditions to avoid • Incompatible materials and possible hazardous reactions • Hazardous decomposition products
11. Toxicological information	• Information on routes of exposure • Symptoms related to exposure • Numerical measures of toxicity • Immediate, delayed, and chronic health effects from exposure • Exposure Levels • Interactive effects • Data limitations
12. Ecological information	• Ecotoxicity • Persistence and degradability • Bioaccumulative potential • Mobility in soil • Other adverse effects
13. Disposal considerations	• Safe handling and disposal methods • Disposal of any contaminated packaging

	• Environmental regulations
14. Transport information	• UN number • Proper shipping name • Transport hazard class(es) • Packing group • Environmental hazards • Special precautions during transport • Hazchem Code
15. Regulatory information	• Safety, health, and environmental regulations specific to the product in question • Poisons Schedule number
16. Other information	• Date of preparation or review • Key abbreviations or acronyms used

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, Emit 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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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 MSDS will depict the applicable NFPA diamond where applicable. Note that the SDS Settings panel will have to be checked/marked for this diamond or graphic to show in the MSDS.

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., water)	0	Materials that will not burn under typical fire conditions (e.g., carbon dioxide), 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., acetone)	1	Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur (e.g., mineral oil). 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., diethyl ether)	2	Must be moderately heated or exposed to relatively high ambient temperature before ignition can occur (e.g., diesel fuel) 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., chlorine)	3	Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions (e.g., gasoline). 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 injury (e.g., hydrogen cyanide , phosphine , carbon monoxide , sarin)	4	Will rapidly or completely vaporize at normal atmospheric pressure and temperature, or is readily dispersed in air and will burn readily (e.g., acetylene , diethylzinc). Includes pyrophoric substances. Flash point below 23°C (73°F)
Special (White)		Instability/Reactivity (Yellow)	
The white "special notice" area can contain several symbols. The following symbols are defined by the NFPA 704 standard.		0	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. helium)
OX	Oxidizer (e.g., potassium perchlorate , ammonium nitrate , hydrogen peroxide)	1	Normally stable, but can become unstable at elevated temperatures and pressures (e.g. propene)
W	Reacts with water in an unusual or dangerous manner (e.g., cesium , sodium , sulfuric acid)	2	Undergoes violent chemical change at elevated temperatures and pressures, reacts violently with water, or may form explosive mixtures with water (e.g., white phosphorus , potassium , sodium)
SA	Simple asphyxiant gas . Specifically limited to the following gases: nitrogen , helium, neon, argon , krypton and xenon . ^[2]	3	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. ammonium nitrate , chlorine trifluoride)
		4	Readily capable of detonation or explosive decomposition at normal temperatures and pressures (e.g., nitroglycerin , chlorine azide , chlorine dioxide)

Chemwatch Elearning

Chemwatch provides a training library as a gateway to learning more about the software application through our learning site. Use the link provided to access the elearning quick start guide, products, translations, and courses.

QUICK START GUIDE A collection of short videos to get you started.	PRODUCTS Complete training presentations for the Chemwatch applications.	TRANSLATIONS Translated training modules in multiple languages.	COURSES Accredited and non-accredited courses in chemicals management and safety
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Go to: <https://chemwatch.training/bh-home/>

Training

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**IT'S NOT THE HAZARD
IT'S THE RISK!**

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