



Chemicals Management Mobile Application

User Guide version 2

[Chemical Management](#)

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1.0 Introduction to Chemwatch Mobile Smart Suite

This topic covers the following objectives.

- What is Chemwatch Mobile Smart Suite App?
- Why Smart Suite?
- Health, Safety & Environmental framework
- Smart Suite Operating System
- Smart Suite Mobile app modules & key features



Chemwatch Mobile Smart Suite is a cloud-based Chemwatch chemicals management mobile application for smart phones and tablet devices.

Why Chemwatch Mobile Smart Suite?

The primary benefits of integrating Smart Suite into the pool of technologies used in any business or organisation is to ensure health, safety and environmental requirements are adhered to for compliance purposes. The specific benefits of using the Smart Suite mobile application include the following key HSE components:

Health, Safety & Environment (HSE) Components

Health (Access to Health and Safety information & worker exposure controls)	Safety (Handling & Storage requirements, personal protective equipment)
Environment (Waste & pollution control)	Regulatory Requirements & Compliance

The mobile app helps to track all chemicals through a centralized chemical management system as part of the health, safety and environment business strategy. The main components of the mobile application include:

- Search
- SDS and other Documents
- Folder Locations
- Risk Assessments
- Analytics
- Settings

Search • Search for chemicals • Access to chemical list online/offline • Mobile worker access in multi-locations, remote sites • View hazard classification ratings for hazardous chemicals • Track chemical locations • Print, Share or Download	SDS & Docs • Access up-to-date SDS • Access to Vendor SDS • Access to Chemwatch Mini SDS • Access to Chemwatch Gold SDS • Access to Emergency response information • View storage, handling and disposal information • Use QR Code generation to scan for SDS view, Inventory List view • Archive documents	Risk Assessments • Perform chemical risk assessments • Reduce risks to a minimum by applying controls • View control bands/risk ratings for hazardous chemicals • Personal protective equipment • Risk assessments approvals • Generate chemical risk assessment reports • Create Jobs and generate Jobs Risk Assessment Reports
Analytics • Create dashboards • Add widgets • View dashboard widgets • Widgets datapoints categories • Dangerous Goods • Dangerous Goods and Packing Group • Regulatory burden • Hazard Rating • Group chart data by number of materials and weight of materials	Settings • Documents management • Home settings • SDS settings • Document storage • Applications settings • Filter settings • Synchronization settings • Access to training/elearning resources	Training • Access to Smart Suite User Guide online • Access to Smart Suite elearning tutorials • Access to ChemCollege suite of short courses • Access to the Chemwatch Bulletin

HSE framework helps businesses and organisations engage in preventing chemical exposure to hazardous chemical use, storage, handling and disposal. HSE compliance with chemical containers and disposal throughout their life cycle requires robust chemicals management

under health, safety and environmental regulations. In practice, users of chemicals at the workplace (local or remote sites) generally gain instant access to chemical safety data sheets and emergency information in the field or on a work site such as a warehouse/shop floor. This chemical safety related information is critical to maintaining a sound chemicals management system and ensure inventory records, stocktake, risk assessments are up to date.

The Smart Suite application syncs data and works with the broader Chemwatch web-system. The mobile app supports online and offline modes, enabling users to retrieve information even when internet connectivity is limited or absent, especially for remote sites or when carrying out field related work.

- Health (Worker Exposure)
- Safety (Storage & Handling)
- Environment (Waste & Pollution Control)
- Legislative Requirements, Frameworks & Standards (Business Compliance)

HSE Compliance (Extended Objectives)

Health (Worker Exposure)	Safety (Storage & Handling)
• Access to Safety Data Sheets (SDS) for all chemical containers on site • Current SDS $\leq$ 5 years old, e.g., Australia • Interpretation of SDS information & GHS • Hazard information and GHS labelling • Worker exposure controls, health monitoring where applicable • Training & competency – chemical management system(s), procedural and reporting requirements	• Chemical storage, incompatibility and segregation requirements • Safe handling • Spills & emergency response • Standard operating procedures & transfers • Engineering controls • Chemical physical properties and hazards • Container integrity, secure & undamaged containers • Tracking and batched container IDs
Environment (Waste & Pollution Control)	Legislative Requirements, Frameworks & Standards (Business Compliance)
• Hazardous & controlled waste classification • Disposal & recycling requirements • EPA waste codes, e.g., State-specific • Waste containers storage • Labelling (GHS) of hazardous waste • EPA licensed contractors • Waste tracking, transport & documentation, e.g., Waste Manifest • Waste reporting requirements & compliance	• Health & Safety Act & Regulations • Environment Protection Regulations (State-specific EPAs) • Transport of Dangerous Goods • ISO standards, e.g., ISO 45001, ISO 14001 • Chemical internal & external audits • Hazardous chemicals & environmental policies • Emergency planning • Regulatory Lists & Reporting, e.g., PFAS chemicals queries

This **On-the-Go** solution is compatible with Android and iOS operating systems. The mobile application is downloadable from the online marketplace:

-  for Android
-  for iOS

Smart Suite combines multiple modules and functions and provides the following key features.

- Chemicals Management
- Assets Management
- Safety Data Sheets (SDS) and other Reports
- Inventory and Container Management
- Chemical Risk Assessments
- Stocktake and Reconciliation

Mobile App Main Modules

Chemicals Management Core Module	Assets Management Syncs with Sisot Web Module
• Chemical register • Chemical health and safety information • Safety Data Sheets and Emergency reports	• Chemical inventory • Container management • Article management

Mobile App Features

Chemical Safety Data Sheets & Other Reports	Inventory and Container Management
• Vendor SDS • Chemwatch Gold SDS • Mini SDS • Labels • Emergency Reports (ER) • Multi-language and SDS formats • Document sharing • QR code support	• Chemical inventory management • Support scan-in scan-out, RFID technology • Track container life cycle • Cloud-sync support for consistency between desktop and mobile applications • Geo-tagging chemical storage locations
Chemical Risk Assessments & Reports	Stocktake and Reconciliation
• Perform chemical risk assessments • Generate chemical risk assessment reports	• Perform stocktake for storage locations • Add, relocate, reconcile containers

With Smart Suite, you may also:

- Share documents using your email account
- Sync chemical inventory to and from the Cloud (with your Chemwatch account)
- Geo Tag location(s) of interest for easier chemical tracking
- Stocktake and reconciliation
- Scan SDS QR code to render Vendor SDS
- Scan folder QR Code to render folder location's inventory list

 In summary, the Chemwatch Mobile Smart Suite app is your mobile “pocket chemical safety and inventory management system”.

2.0 Getting Started

This topic covers the following objectives.

- Getting started with Chemwatch Mobile Smart Suite App
- Download the mobile app from Apple store
- Login to the mobile app
- Single Sign On (SSO)
- Online/Offline mode

What
You'll
Learn

Chemwatch Mobile Smart Suite app is available for both Apple and Android devices from the respective marketplaces (App Store and Google Play).

Apple Device - Market Place App



Android Device - Marketplace App



Download the Chemwatch Mobile Smart Suite App

The user interface provides two user interface theme options.

- Dark Theme
- Light Theme



Dark Theme

The app can be downloaded from the Apple App Store or Android Google Play Store. If you already have a new Chemwatch Smart Suite subscription, follow the steps in the following section to download the app using an Apple or Android device.



Region: AU ▼

☒ Remember me

LOGIN

[SSO login](#)

Light Theme

The app can be downloaded from the Apple App Store or Android Google Play Store. If you already have a new Chemwatch Smart Suite subscription, follow the steps in the following section to download the app using an Apple or Android device.

In this guide, an **Apple mobile device** is used for all instances and sequencing steps on how to use the Smart Suite mobile application with online connectivity.

About App Privacy

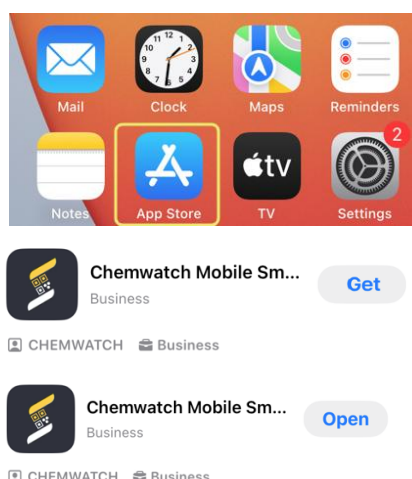
Data privacy is an integral part of Chemwatch IT Security Policy and practices, including data protection, usage and diagnostics. Chemwatch does not collect your personal identity. For more information, contact the support team [here](#).

2.1 Download Smart Suite App

The steps below illustrate how to download the app from the Apple Store marketplace.

Steps to Download Smart Suite App (iOS)

1. Open your Apple device marketplace by clicking on the **Apple Store** App button .
2. Type the text **Chemwatch Mobile Smart Suite** in the text search field.
3. Tap the Chemwatch Mobile Smart Suite **Get** button  to install the mobile application.
4. Click the **Open** button after installation is completed. Your Smart Suite App is now active. Also check your home screen apps if the Chemwatch Mobile Smart Suite app logo appears after the installation process is completed.



Steps to Download Smart Suite App (Android)

1. Open your Android device marketplace by clicking on the **Google Play Store** App button .
2. Type the text **Chemwatch Mobile Smart Suite** in the text search field.
3. Tap the Chemwatch Mobile Smart Suite **Install** button  to install the mobile application.
4. Click the **Open** button after installation is completed.

Chemwatch Mobile SmartSuite



Your Smart Suite App is now active. Also check your home screen apps if the Chemwatch Mobile Smart Suite app logo appears after the installation process is completed.

-  The Chemwatch Mobile App login page provides details on the app's latest version information at the bottom of the page.

2.2 Login to Chemwatch Mobile Smart Suite App

There are two ways to login to the application:

- Manual login
- Single Sign On (SSO)

Manual Login

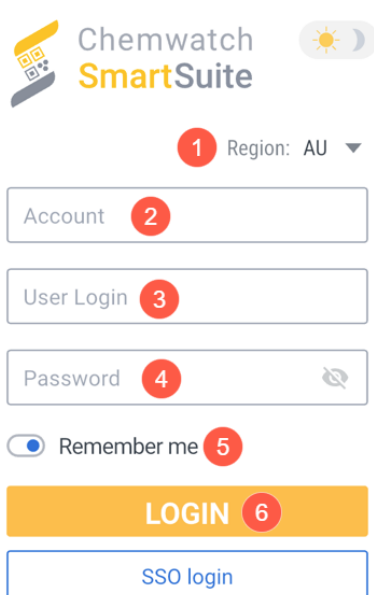
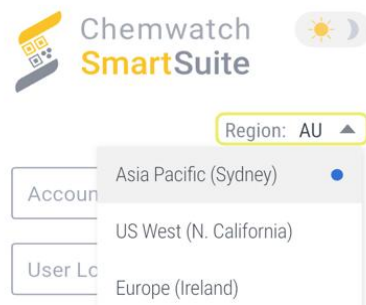
The Chemwatch Mobile Smart Suite App login screen contains three free text fields. The steps below illustrate how to login to the Smart Suite App using the credential provided by your domain administrator within your business or organisation. Note that this activity is a manual operation.

Login Fields and Descriptions

Account	User Login
• This is the domain account name provided by the domain administrator within your organisation or business.	• This is your username provided by the domain administrator.
Password	Remember Me
• Enter your password. If you have forgotten your password, contact your domain administrator.	• Selecting the “Remember me” button  enables the app to recall your login details based on your first login credentials for any subsequent logins.

Steps to Login to Chemwatch Mobile Smart Suite App

Open your device home screen and select the Chemwatch Mobile Smart Suite app button to open it. Follow the steps below to login manually.

	Open the Smart Suite App to enter login details. 1. Select your Region; AU/US West/Europe.  2. Enter your Account (domain name). 3. Type your User Login name. 4. Type your Password. 5. Click the Login button. 6. Data synchronization gets started immediately after successful login.
--	--

- i** Upon login the app will automatically start the synchronization process and a progress bar (%) will be displayed. It is strongly recommended to wait until the process has been completed. synchronizing your domain data.

Upon successful login and synchronization of your domain data, the app display of the user interface shows the navigation panel with a variety of available modules. For organisation with SSO (Single Sign On) set up, follow the prompts as instructed by your domain administrator on how to access the application based on your employee profile.

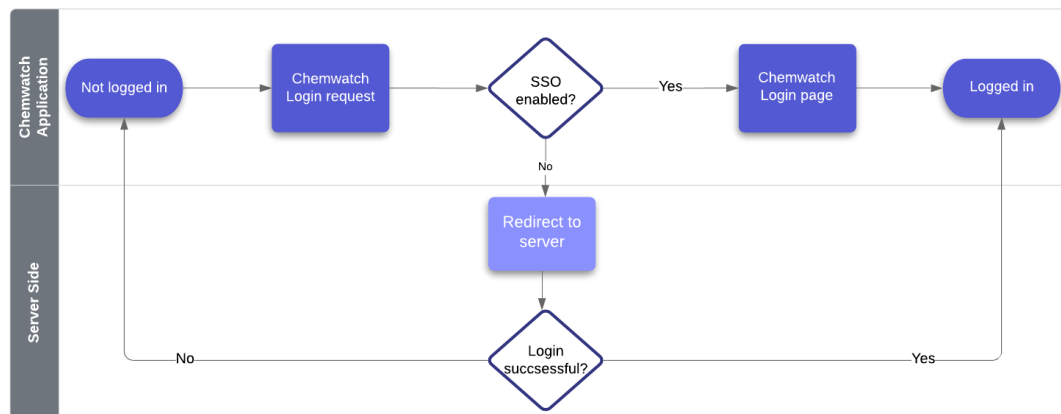
2.3 Single Sign On (SSO)

Generally, Chemwatch systems have two authentication modes options to choose prior to deployment/roll-out, namely:

- **Internal** (three-factor authentication mode),
- **Single Sign On** (SSO) authentication mode.

The Chemwatch application's security system uses a **three-factor authentication mode** where the **account name, user login and password** are required to gain access to the app. This safeguards unauthorized access and does not allow many unsuccessful requests to login and if

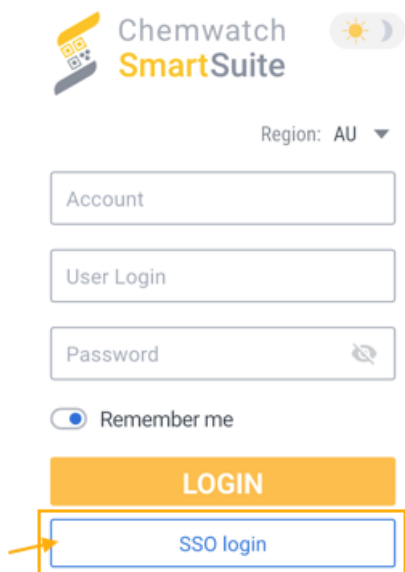
the specified number of attempts have been exhausted, the system will block the user, and additional activities will be required for the domain administrator to unblock the user. The Chemwatch service side has been integrated with a windows platform where login calls are redirected every time a user visits the Chemwatch login page. The simple chart below summarises the basic workflow.



When SSO is activated in your business or organisation network, the following actions are considered by the network administrator.

- Ensure that users are identifiable in their profiles with an approved work email address.
- Users work email addresses will be automatically recognised during first login.
- After users' authentication has been achieved, all other user permissions and privileges must be assigned accordingly.

Single Sign On (SSO) allows clients to login through their own business or organisation's identity provider. SSO authentication follows strict requirements for the supported platform specific protocols. If your business or organisation has opted for the SSO authentication mode to access the Chemwatch Mobile application through the designated SSO provider, either Microsoft or Okta, use the SSO Login option on the Chemwatch Mobile Smart Suite App login page.



Use the SSO Login button only if your organisation uses this authentication mode to login to the Chemwatch Mobile application.

i Users that login using Single Sign On (SSO) will be recognized by encryption. If unsure of how to access the Smart Suite App through SSO, contact your domain administrator or your Customer Service Account Manager by sending an email to customerservice@chemwatch.net. If more information is needed on how to set up SSO, contact it@chemwatch.net.

3.0 Navigation & Settings

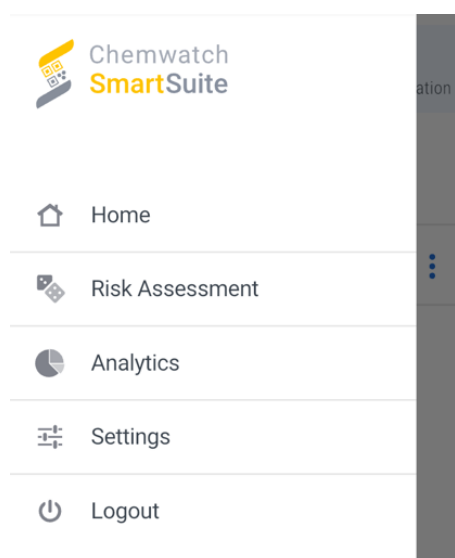
This chapter covers the following navigation elements and app settings.

- Mobile app main screen and settings
- Online/Offline modes
- Search for materials to display reports
- Scan QR Codes
- Perform risk assessments
- Settings and data synchronization
- Elearning/Training Resources



The main modules in the chemicals management mobile application are:

- Home
- Risk Assessment
- Analytics
- Settings



The **Menu Slider** (swipe mode) on the left-hand side displays the mobile app **Modules** available and application **Settings**.

The **Settings mode**  is only applicable to the Chemwatch Mobile application.

Users can also see their internet connectivity status, **Online or Offline**  mode.

The mobile app shows the **Logout**  icon to enable logged-in users to get out of the platform once the work is completed.

Note that the Chemwatch web application contains the complete system settings in which the domain administrator has full access to the entire system, including assigning user roles, permissions and privileges to use the mobile application.

Modular Descriptions

 Home	 Risk Assessment
The Home module is designed with specific components that enable users to view folders, products lists, SDS and folder edit functions.	The Risk Assessment module enables users to perform chemical risk assessments and generate risk assessment reports.
 Analytics	 eLearning
Create dashboards to generate information and statistical data through widgets to present data in graphical analytics.	Learn about the Chemwatch Mobile Smart Suite app, navigation tools and generate the Smart Suite Learning Certificate. Click on the eLearning mode to gain access to learn more about the Smart Suite mobile app.
 Settings	 Logout
The app is managed through documents management settings, application settings, filter settings and synchronization settings. These settings affect the behaviour of the mobile application and how data is presented.	This is your log out button to get out the mobile application. This action reverts to the mobile app login screen.
 User Interface Theme Colour	 Online/Offline
The user interface theme can be switched between dark and light.	Display the current internet connection as Online/Offline mode. Offline mode has limited functionality; however, users can access documents unless they have been deleted.

3.1 Synchronization Settings



Settings Module is amalgamated into these main segments:

Settings Segments	UI Settings Attributes
- Documents Management - Home Settings - SDS Settings - Document Storage - Application Settings - Filter Settings - Synchronization Settings - Training/Elearning Resources - Manuals - Elearning - ChemCollege - Chemwatch Bulletin	 SETTINGS Documents management Home Settings > SDS Settings > Domain and user settings Document storage > Application settings ☒ Provide notifications when an application goes online/offline mode ☐ Enable auto-synchronization of folder contents ☐ Display Risk Band in the Home Mode ☐ Disable app sounds Synchronize

These settings affect the behaviour of the mobile application. The table below provides the descriptions of the mobile application's application **Settings**.

Documents Management

UI Setting Attributes

Home Settings

Use the Switch icon to set the respective attributes that will be enabled for the auto-synchronization process for the mobile app's Home module settings.

- Search Engine: Set Full/Own search option
- Set Date Format based on your region/country
- Default Search Type: Set the default search parameter from the dropdown list; Simple, Name, Vendor, CAS No, CAS No (Ingredient In), CW No, Packing Group, UN No, Vendor Part No
- Country filter
- Language filter
- Default Document Type: SDS, Mini
- UI (User interface) Language
- Group in Own By: CW No, No Grouping
- Group search results by CW No
- Upload your own Signature

Home Settings

Search Engine: Full

Date Format: dd/mm/yyyy

Default Search Type: Simple

Country filter: Australia

Language filter: English

Default Document Type: SDS

UI Language: English

Group in Own By: Document Name

Save

Document Settings

Use the dropdown options to set the respective attributes that will be enabled for the auto-synchronization process for the mobile app's SDS display of information based on SDS Options and SDS Settings:

SDS Options:

- Country
- Language
- Sentence Count
- SDS Font Size
- Visual Appearance
- Show Part numbers
- Display Format

Documents Settings

SDS Options

Country: Australia

Language: English

Sentence count: All

SDS font size: Normal

Visual appearance: Base

Show part numbers: All

Display format: Short

SDS Settings

☐ Trade names in synonyms on SDS

Save

SDS Settings

This section provides document settings on how information will be displayed.

Turn on the Switch icon  to set the desired setting to be activated for Safety Data Sheets respective information to be displayed

SDS Settings:

- Trade names in synonyms on SDS
- Show preferred names in ingredients
- 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 Hazard Alert Code
- Show Multiple CAS
- Chemwatch Hazard Ratings
- Display Format – Short/Long

< Documents Settings

Display format
Short

SDS Settings

- ☐ Trade names in synonyms on SDS
- ☐ Show preferred names in ingredients
- ☐ 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

Save

Document Storage

This section provides document storage size and free disk space.

Use the Switch icon  to set the enable/disabling mode for saving SDS to your memory and/or limited storage size and/or also ask for confirmation before deletion.

Use the Clear button to remove any cache for the following documents to free some space.

- Vendor SDS
- Chemwatch SDS
- Chemwatch MINI
- Alternative Chemwatch SDS
- Alternative Chemwatch MINI
- RA ILO Reports
- UN Reports
- RA Control Documents
- RA User Defined Documents

< Document storage

Documents Storage: 27.36 MB

Free disk space: 92.19 GB

- ☐ Disable saving SDS to your device memory
- ☐ Limited storage size

Vendor SDS	Clear
Amount: 54, size: 20.37 MB	
Chemwatch SDS	Clear
Amount: 43, size: 4.67 MB	
Chemwatch MINI	Clear
Amount: 89, size: 802.84 KB	
Alternative Chemwatch SDS	Clear
Amount: 0, size: 0 B	
Alternative Chemwatch MINI	Clear
Amount: 0, size: 0 B	
RA ILO Reports	Clear
Amount: 90, size: 838.20 KB	
RA UN Reports	Clear
Amount: 84, size: 737.81 KB	
RA Control Documents	Clear
Amount: 0, size: 0 B	
RA User Defined Documents	Clear
Amount: 0, size: 0 B	

Clear all locally stored docs

- ☒ Ask for confirmation before deletion

Application Settings

Notifications Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the auto-synchronization process for the mobile app's notifications.

- Select the Switch icon to provide notifications when the application goes online/offline mode

Auto-synchronisation Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the auto-synchronization process for the mobile application.

- Select the Switch icon to enable automatic synchronization of the folder contents

Risk Band Display Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the synchronization process for the Risk Assessment module.

- Select the Switch to display Risk Band in the Home module

App Sounds Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the synchronization process for the application sounds.

- Select the Switch to disable mobile application sounds

UI Settings Attributes

≡ SETTINGS

Documents management

Home Settings >

SDS Settings >
Domain and user settings

Document storage >

Application settings

☒ Provide notifications when an application goes online/offline mode

☐ Enable auto-synchronization of folder contents

☐ Display Risk Band in the Home Mode

☐ Disable app sounds

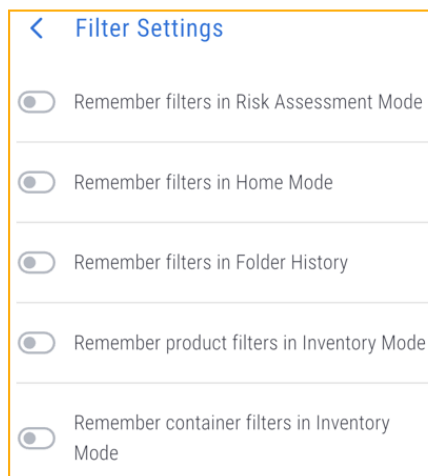
Synchronize

Filter Settings

Filter Settings Options

Use the Switch icon  to set the respective filter setting(s) that will be enabled for the application modes to remember filters.

- Remember filters in Risk Assessment mode
- Remember filters in Home mode
- Remember filters in Folder History
- Remember product filters in Inventory mode
- Remember container filters in Inventory mode



Synchronizations

General Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the synchronization process.

- General Settings
- Folders tree
- Tags

Home Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the synchronization process for the Home module.

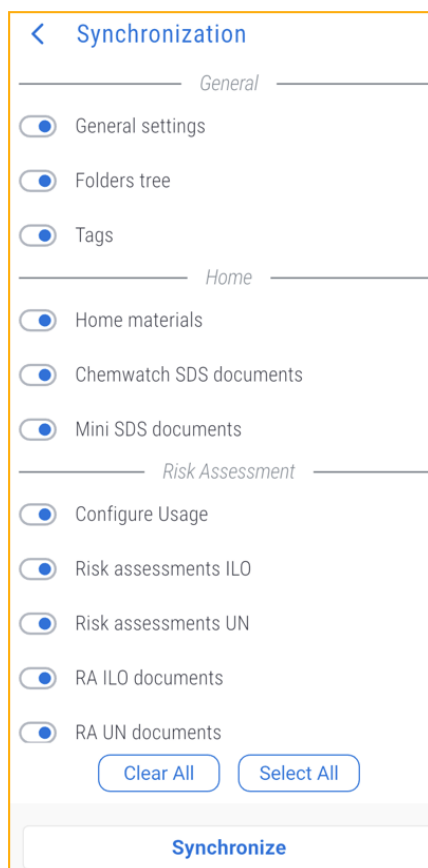
- Home materials
- Chemwatch SDS documents
- Mini SDS documents

Risk Assessment Settings

Use the Switch icon  to set the respective setting(s) that will be enabled for the synchronization process for the Risk Assessment module.

- Configure Usage
- Risk assessments ILO
- Risk assessments UN
- RA ILO documents & RA UN documents

UI Settings Attributes



The following steps show how to apply **Home Settings** for synchronization of the mobile app with the Chemwatch web application.

Steps to Set Mobile App Settings Attributes and Synchronize Data (Home Settings)

Open the Chemwatch Mobile app  from your device home screen to login.

1. Press the **Settings Module**  button in the module's menu slider panel.
2. Click on **Home Settings**.
3. Select the **Search Engine** setting dropdown field to apply the respective setting:
 - Search Engine
 - Full or Own
4. Select the **Date Format** dropdown arrow  to set the respective date format option.
 - Date Format
 - dd/mm/yyyy or mm/dd/yyyy
5. Select the **Default Search** Type dropdown arrow  to set the default type of search.
 - Default Search Type
 - Name
 - Vendor
 - CAS No.
 - CAS No (Ingredient In)
 - DG or Sub Risk
 - CW No.
 - Packing Group
 - UN No.
 - Vendor Part No.
6. Click the **Country filter** field and look up the country and select it to apply setting.
7. Click the **Language filter** field and look up the language and select it to apply setting.
8. Select the Default Document Type dropdown arrow  to apply the respective setting:
 - Default Document Type
 - SDS
 - Mini
9. Click the **UI (User Interface) Language** dropdown arrow  to set the respective user interface language to apply.
10. Click the **Group in Own By** dropdown arrow  to set materials listing by grouping method:
 - Group in Own By
 - Document Name
 - CW No.
 - No Grouping
11. Use the toggle  button to turn it on to **group search results by CW No.**
12. Press the **"My Signature" Upload**  icon to select a soft signature file to upload into the mobile app system for use in other modules, e.g. Risk Assessment Approval.
13. Click the **Save** button **Save** at the bottom of the window.
14. Once all settings categories have been completed, use the **Synchronize** button to sync data.
15. Once the synced data is completed after the synchronization process, the app will display sync report where the **success status** of each component is displayed. Use the Done button to close the window.



Home

Risk Assessment

Inventory

Stocktake and Reconciliation

Smart AaaS

Analytics

Settings

Logout

SETTINGS

Documents management

Home Settings

2



SDS Settings

Domain and user settings



Document storage



Application settings



Provide notifications when an application goes online/offline mode



Enable auto-synchronization of folder contents



Display Risk Band in the Home Mode



Disable app sounds

Synchronize

< Home Settings

Search Engine
Full

3



Date Format
dd/mm/yyyy

4



Default Search Type
Simple

5



Country filter
Australia

6



Language filter
English

7



Default Document Type
SDS

8



UI Language
English

9



Group in Own By
Document Name

10



Save

< Synchronization

- ✓ General settings
- ✓ Folders tree
- ✓ Tags
- ✓ Home materials
- ⚠ Chemwatch SDS documents
Success: 128, Errors: 5
- ⚠ Mini SDS documents
Success: 112, Errors: 3
- ✓ Configure Usage
- ✓ Risk assessments ILO
- ✓ Risk assessments UN
- ⚠ RA ILO documents
Success: 116, Errors: 18
- ⚠ RA UN documents
Success: 112, Errors: 18

15

Done

The following steps show how to apply **Document Settings** for synchronization of the mobile app with the Chemwatch web application. The document settings are categorised into two tabs:

- SDS Options (**SDS Options and SDS Settings**).
- SDS Logo

Steps to Set Mobile App SDS Settings and Synchronize Data (Document Settings)

Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Press the **Settings Module** button in the module's menu slider panel.
2. In **Document Settings**, select the **SDS Options**, select the **Country** setting dropdown  field to apply the respective country.
3. Select the **Language** dropdown arrow  to set the language.
4. Select the **Sentence Count** dropdown arrow  to set All or specific count value.
 - Sentence Count Options
 - All
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
5. Click the **SDS Font Size** dropdown arrow  field and select font size to apply setting.
 - Small
 - Normal
 - Large
6. Click the **Visual Appearance** field dropdown arrow to choose a setting.
 - Base
 - Vanilla
7. Select the **Show Part Numbers** dropdown arrow  to apply the respective setting:
 - All
 - None
 - User Gold
 - User Vendor
8. Click the **Display Format** dropdown arrow  to set the respective setting.
 - Short
 - Long
9. Scroll down the window to **SDS Settings** section and use the toggle  button to turn on the specific SDS settings.
10. Click the **Save** button  at the bottom of the window.



Home

Risk Assessment

Inventory

Stocktake and Reconciliation

Smart AaaS

Analytics

Settings **1**

Logout

SETTINGS

Documents management

Home Settings

SDS Settings **2**

Document storage

Application settings

☒ Provide notifications when an application goes online/offline mode

☒ Enable auto-synchronization of folder contents

☐ Display Risk Band in the Home Mode

☐ Disable app sounds

Synchronize

< Documents Settings

SDS Options

Country **2**
Australia

Language **3**
English

Sentence count **4**
All

SDS font size **5**
Normal

Visual appearance **6**
Base

Show part numbers **7**
All

Display format **8**
Short

< Documents Settings

Display format
Short

9 SDS Settings

- ☐ Trade names in synonyms on SDS
- ☐ Show preferred names in ingredients
- ☐ 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

10 Save

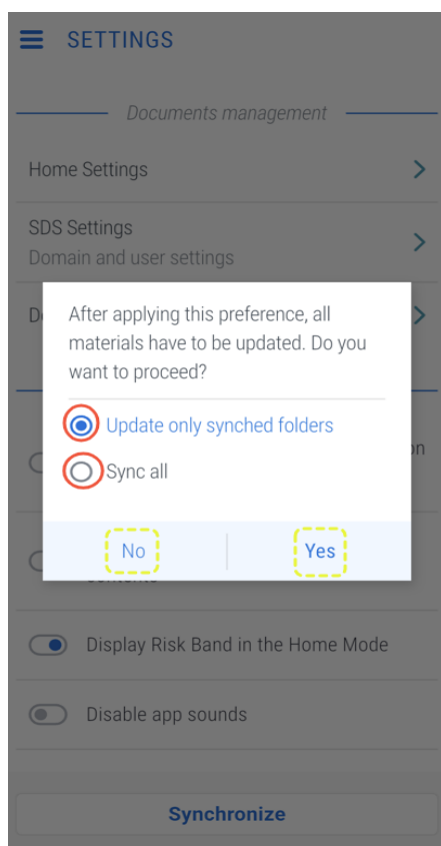
3.1.1 Synchronization Status of Folders and Inventory

Smart Suite App will require synchronization upon first time and subsequently multiple logins to ensure that mobile app data is up to date. The categories of data related sync settings applicable for syncing data:

- Inventory
- Folders
- Manifest
- Risk Assessment

Chemwatch strongly recommends to always synchronize your data to stay up to date.

When the Synchronize button is activated, the app will request confirmation to update only synced folders or sync all. start the synchronisation process and display the updating process until user data sync is completed.

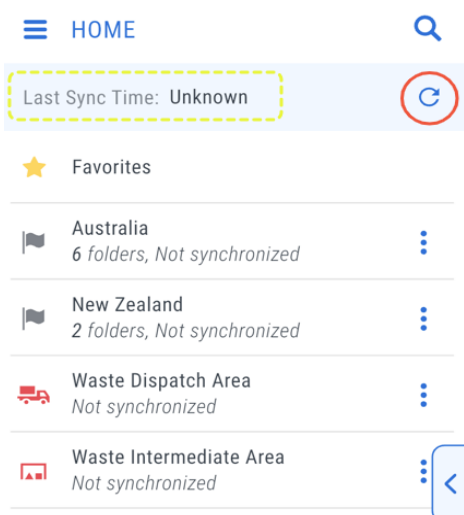


Pressing the **Synchronization** button triggers a message to confirm:

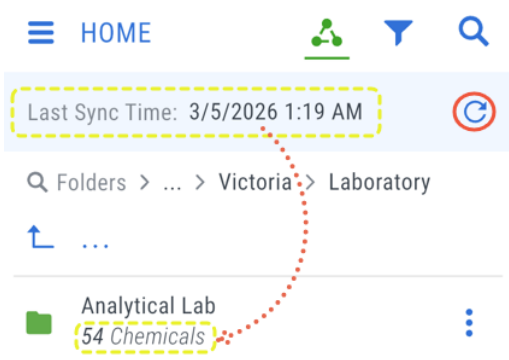
- Updating only synced or
- Sync all.

Wait until the whole process is completed to ensure the mobile app data correlates with the Chemwatch web application data.

Folders can be synchronized at any time using the sync function . This helps users that have specific folder locations to sync their own folders to update the folder inventory to match with the Chemwatch-web application data.



Sync folders will display the “**Last Sync Time**” unless a sync was never activated, the sync status will show “**Last Sync Time**” as **Unknown**.



Date and Time Sync Details:

- dd/mm/yyyy
- 00/00 AM/PM
- Folder sync shows total number of chemicals

Synchronizing folder(s) enhances the stocktake and reconciliation preparations to ensure that scheduled stocktake takes effect for up-to-date inventory information with the Chemwatch web application data.

Steps to Sync Folders and Inventory Data

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Click on a **Folder** to check sync status (Last Sync Time: dd/mm/yyyy, 00:00 AM/PM).
2. Click on **Sync** icon alongside the sync status to start the synchronization process to match the Chemwatch web data. It is highly recommended to sync data for last sync status Unknown).

3. Wait until **sync process is complete**.
4. Confirm the **Last Sync Time: dd/mm/yyyy, 00:00 AM/PM**.

The Last sync time log provides users with the status of the app data as it pertains to the currently accessed folder and its content.

3.2 Training – Learning Resources

Training Settings – Access to Guidance Materials

≡ SETTINGS

Documents management

Home Settings >

SDS Settings >
Domain and user settings

Sisot Settings >

Document storage >

Application settings

General Settings >

Filter Settings >

Send Log to Server
apps@chemwatch.net Send

Guide to using the application eLearning

Training Segments

Elearning

- Links to Smart Suite elearning tutorials as Quick Start Guides

Manuals

- Links to the Smart Suite User Guide based on the licensed package

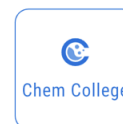
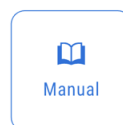
ChemCollege

- Links to Short courses in our ChemCollege hub

Bulletin

- Links to Smart Suite elearning tutorials as Quick Start Guides

< eLearning



4.0 The Home Module, Search and Edit Modes

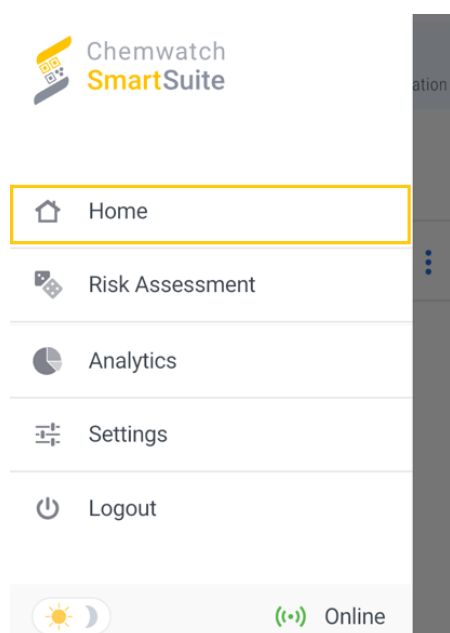
This chapter covers the following navigation and editing elements.

- Home module feature components
- Folders display
- Search functionality
- Scan SDS/QR Code
- Action slider & folder edit
- Folder properties
- Folder view of number of chemicals
- Chemical list filter functionality & grouping method
- Copy, move or delete chemicals
- View, print, share, download (offline mode) documents
- Add volume/weight of a chemical
- Create (add) preferred name for chemical
- Edit part number of a chemical
- Add vendor to an existing chemical
- Add an attachment to an existing chemical
- Add a chemical tag
- View documents (SDS, EPD, HPD)



Home Module Feature Components

The mobile app **Home Screen** defaults to the following user interface elements when selected from the menu slider panel on the left-hand side.



The **Menu Slider** (swipe mode) on the left-hand side displays the modules available and application settings as described in section 3.1.

- **Home** module
- Risk Assessment module
- Training/Elearning
- Inventory mode
- Stocktake and Reconciliation mode
- Analytics
- Settings
- Logout
- User interface colour theme
- Online/Offline mode

The Home Module Features

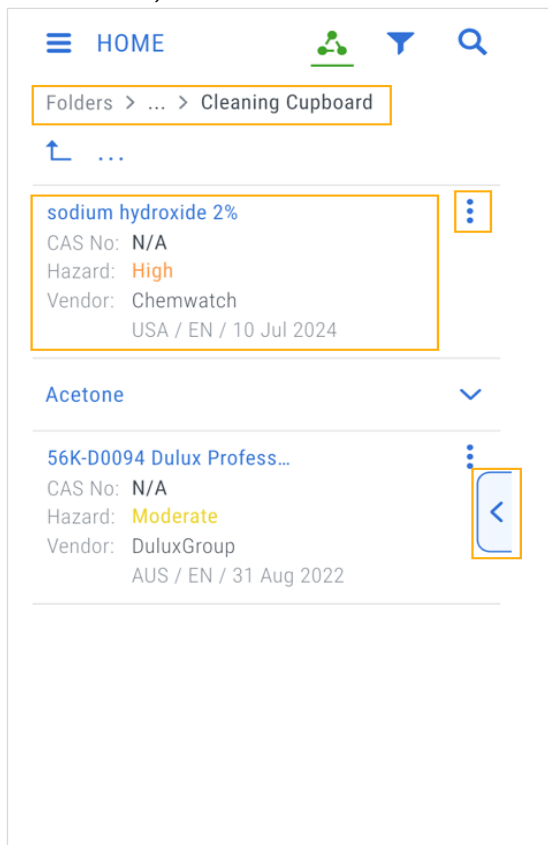
Home

The Home module is designed with specific components that enable users to view folders, products lists, SDS and folder edit functions. Data must be synchronized to the Chemwatch web application to ensure the current information is available.

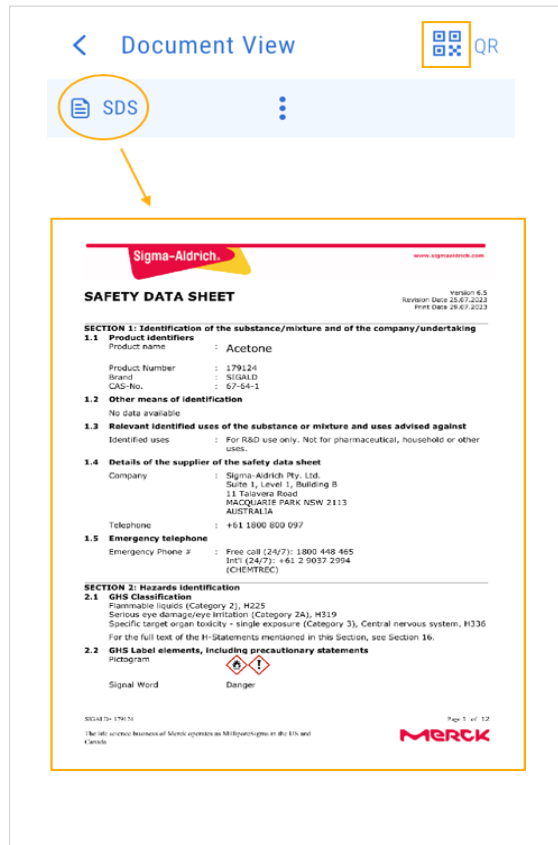
Attributes

- Folder Tree Panel
- Parent and child (sub) folders
- Number chemicals in a location folder
- Action Slider to create(add) new folders, delete folders or download data
- View chemical information; CAS No, Hazard Rating, Vendor, SDS, Issue Date
- View documents (SDS, EPD, HPD)
- Filter settings and grouping method

Folder Patch, Chemical Data & Document View

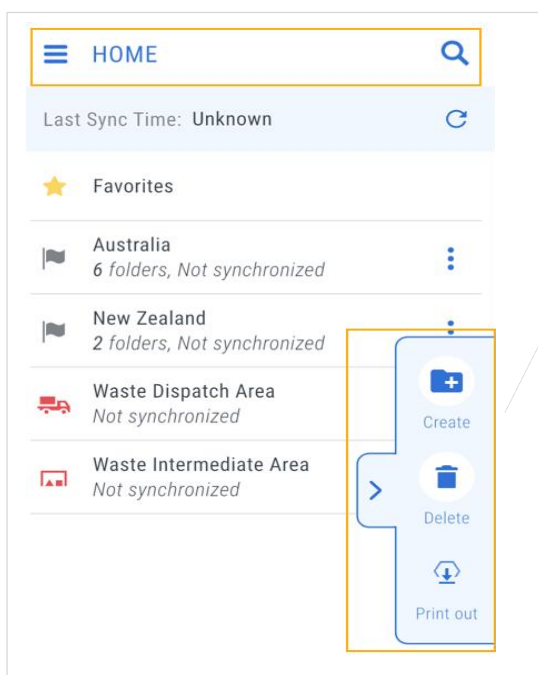


The screenshot shows the Home module interface. At the top, there is a navigation bar with a hamburger menu, the word "HOME", and icons for a folder, a filter, and a search. Below the navigation bar, there is a breadcrumb trail: "Folders > ... > Cleaning Cupboard". Underneath, there is a list of chemicals. The first chemical is "sodium hydroxide 2%" with CAS No: N/A, Hazard: High, and Vendor: Chemwatch. The second chemical is "Acetone" with CAS No: N/A, Hazard: Moderate, and Vendor: DuluxGroup. Each chemical entry has a three-dot menu icon to its right.



The screenshot shows the Document View interface. At the top, there is a navigation bar with a back arrow, the text "Document View", and a QR code icon. Below the navigation bar, there is a list of documents. The first document is "SDS" with a three-dot menu icon to its right. An arrow points from the "SDS" document to a detailed view of the Safety Data Sheet (SDS) for Acetone. The SDS is a document from Sigma-Aldrich, version 6.5, revision 26.67.2023, dated 26.67.2023. It contains sections for identification, hazard identification, and GHS classification.

Folder Slider Panel and Edit Function



In Home module folder tree view mode, there is a folder slider panel on the right-hand side that enables users to:

- Create a new folder(s)
- Delete folders
- Print folder tree

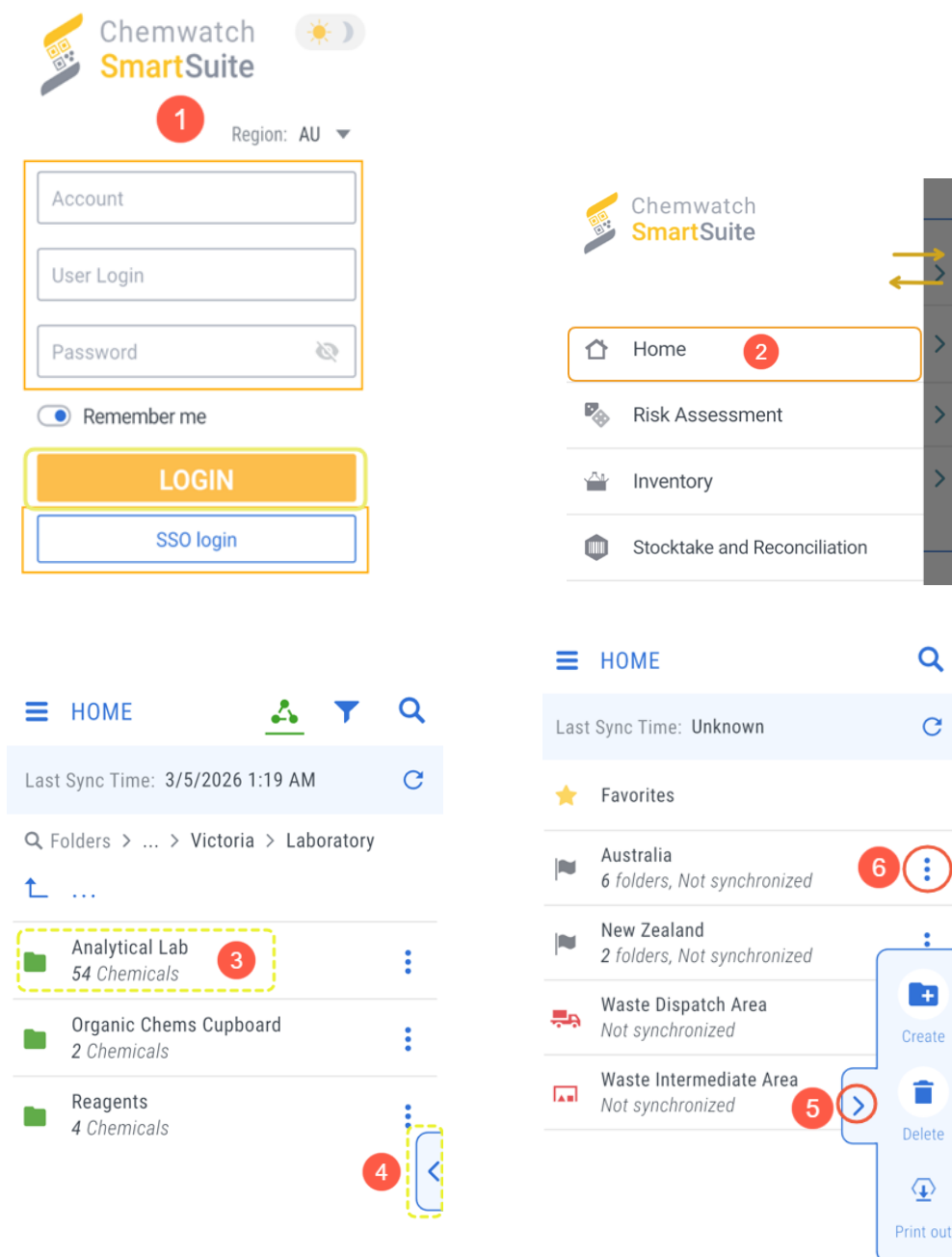
4.1 Folder Display

Data synchronisation with the Chemwatch web application ensures the mobile app displays up-to-date and accurate information, with folder listings matching those in the web application as the primary data source. In the Home module, users can view the following information and other folder attributes.

- Folder names
- Folder types
- Number of subfolders
- The sync status of each folder
- Favorites folder
- Action slider and panel attributes

Steps to View Folders Mode in Home Module

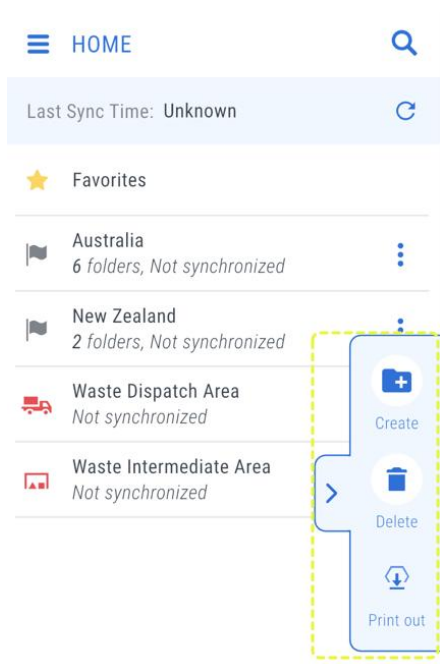
1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button in the menu slider panel on the left-hand side.
3. The app displays the **Folder View panel and attributes**, including the number of folders and sync status.
4. Click the **back arrow** (swipe left) on the **action slider** to view edit functions.
5. Click the **forward arrow** (swipe right) on the **action slider** to close the edit function panel.
6. Click the **stacked dots** alongside a folder to view the folder Edit window.



- To learn more about folder properties, go to section 4.1.1 of this guide.
- To edit a folder, refer to section 4.1.2 of this guide.
- To view chemicals in a folder, examine section 4.6 of this guide.

4.1.1 Action Slider & Folder Editing Panel

When in folder view, specific information is displayed as iterated above in section 4.1.



The action slider provides options for editing folders:

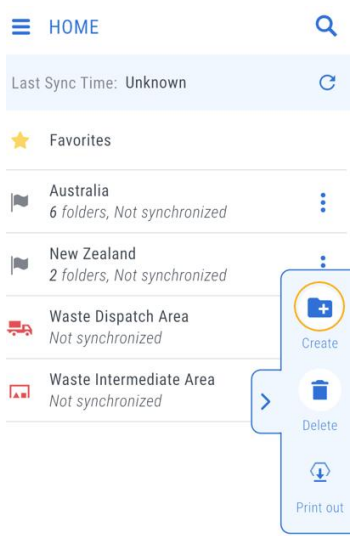
- Create a new folder and set folder properties
- Delete folders
- Print folder tree

Folder Properties

When creating a folder, there are two types of settings related to folders:

- Folder Properties
- Sisot Folder Settings

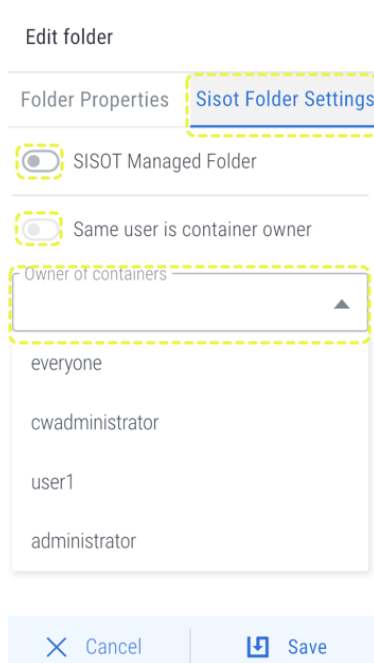
Use the Create button  in the slider panel to view Folder Properties.

Slider Panel	Folder Properties Tab
	Create Folder Folder Properties Sisot Folder Settings Folder Name * Folder Type * Storage Folder owner ☒ Store Materials ☐ Shared to the World Countries * Australia Cancel Create

The table below summarises the folder and SISOT folder properties displayed after activating “Create” folder action.

Folder Properties	Folder Attributes
Folder Name and Folder Type Fields Use the folder creation fields to give the folder a name and choose a folder type from the dropdown list. Note that a “Storage” Folder  (green) is allowed to store materials, by default, the “Store Materials” toggle  is enabled. All other types of folders do not allow to store materials, use the “Store Materials” switch icon  if the folder will be used to add products/containers SDSs.	- Folder Name* (Required) - Folder Type* (Required) - Area - Region - Site - State - Building - Detached Building - Storage - Assembly Occupancy - Business Occupancy - Educational Occupancy - Factory Industrial Occupancy - Mercantile Occupancy - Residential Occupancy - Storage Occupancy

If the folder is a SISOT folder, use the SISOT Folder Properties tab to set it as a SISOT folder.

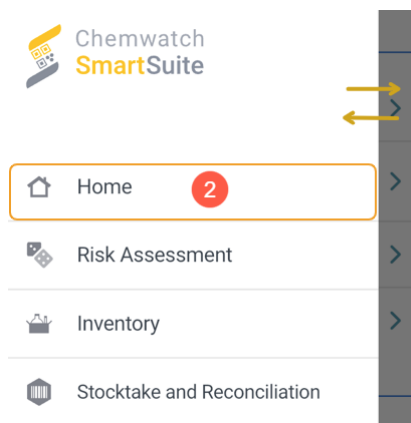
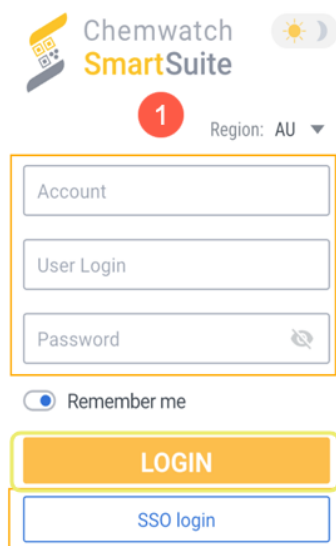
SISOT Folder Properties	Folder Attributes
Use the switch icon  to turn on “SISOT Managed Folder”. - Use the toggle  to enable “Same user as container owner”. - Use the drop-down arrow to assign the “Owner(s) of Containers for the folder - Select User from the “Owner of container” dropdown arrow 	

4.1.2 Create/Edit a Folder and Set Folder Properties

The steps below show how to create a new folder and set folder properties.

Steps to Create New Folder

1. Open the **Chemwatch Mobile app**  from your device home screen to login.
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
3. The app displays the **Folder View panel and attributes**, including the number of folders and sync status.
4. Click the **Slider Panel** arrow  (swipe left) middle-right of the user interface to open the edit options.
5. The **Folder Properties** tab is displayed as the default view. **Type the name of the new folder** in the Folder Name* (required field).
6. Click the **Folder Type*** (required field) drop-down arrow and select the type of folder.
7. Select the **Folder Owner** from the list of users available in your domain.
8. Use the **Store Materials** switch  to enable this new folder to allow adding products/containers into the “Storage Folder”.
9. Select the **“Country”** attribute to be set for this new folder to allow specific country of SDS to be stored in this folder.
10. Select the **“Language”** attribute to be set for this new folder to allow specific language of SDS to be stored in this folder.
11. Click the **Save** button.



Edit folder

Folder Properties
Sisot Folder Settings

Folder Name *
 Australia 5

Folder Type *
 Country 6

Folder owner 7 Q

☒ Store Materials 8

☐ Shared to the World

Countries *
 Australia 9 10

✕ Cancel 11
Save

Folder Properties

- Folder Name
- Folder Type
- Folder Owner
- Store Materials
- Hide/Unhide Folder
- Shared to the World
- Country(ies)
- Language(s)

Use the radio ☐ button to turn on folder property

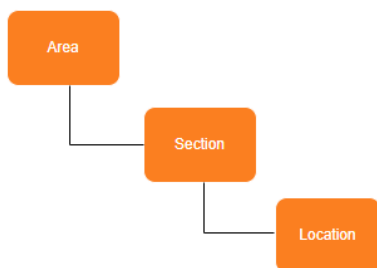
- Apply to this folder
- Copy country and labguage to all subfolders
- Replace country and language for all subfolders

Use the toggle ☐ button to turn on folder property

- Manifest Facility Area
- Industry Hygiene Monitoring site
- Capture Location and allow app access location when open

★ Users can also select the **Favourites** icon to bookmark folder as a favourite folder. This will be displayed alongside the folder in the folder tree panel.

Note that the worked example above illustrates the country level folder. A folder structure may represent actual sites at a global level of business operations to the n^{th} node, the lowest level of storage where chemicals are used or stored on premises (**Areas, Sections and Locations**).



Generally, when the first-time data sync is completed, that process trickles down to mapping the folder structure as represented in the Chemwatch web application.

4.1.3 Delete a Folder

The steps below show how to delete a folder. All deleted folders will be funneled into the recycle bin and records are archived in folder history.

Steps to Delete a Folder

Open the Chemwatch Mobile app  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. The app displays the **Folder View panel and attributes**, including the number of folders and sync status.

Note that if the folder to be deleted is a subsidiary to a parent folder, ensure to expand the parent folder first to view subfolders.

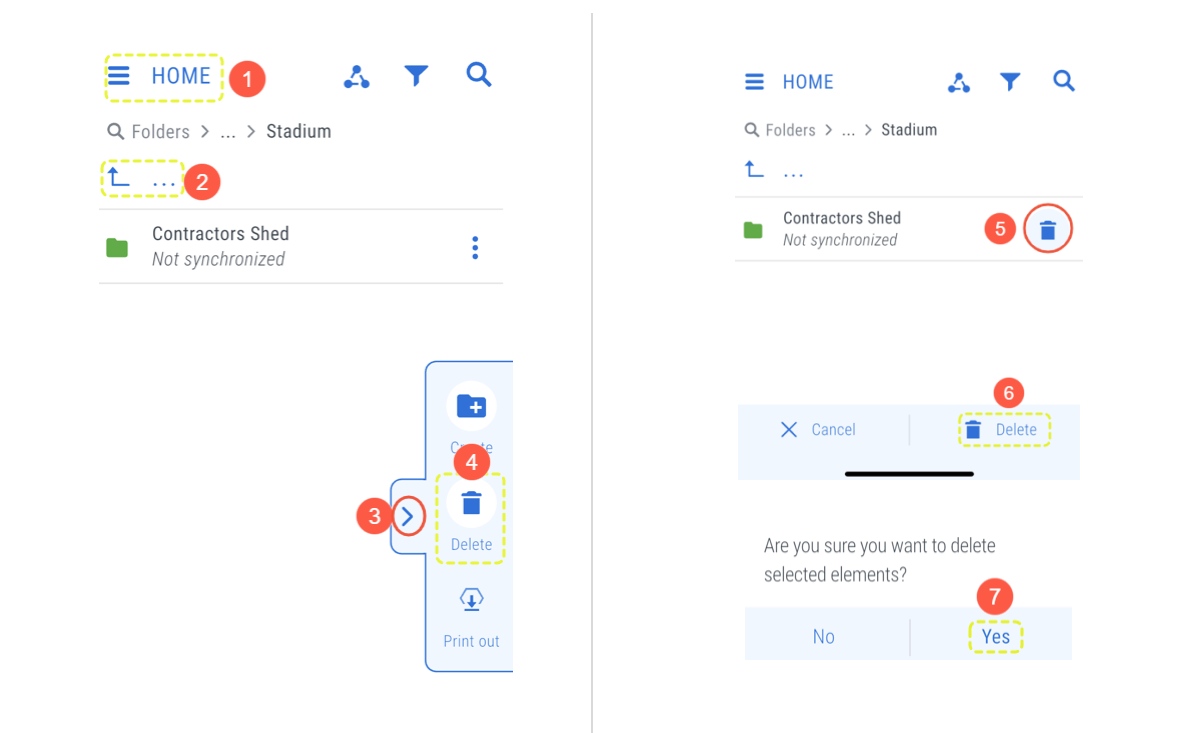
3. Click the **Slider Panel** arrow  (swipe left) middle-right of the user interface to open the edit options.

4. Click the **Delete** button .
5. Select the **Recycle Bin (Delete)** icon alongside the folder name.

Note that user must be a folder owner or must be assigned folder edit rights to be able to delete a folder. *If unsure of your access and folder permissions, consult with your domain administrator.*

6. Click the **Delete** button at the bottom right corner of the window.
7. A message displays to confirm action. Select the **Yes** option to confirm deletion of the folder. If not certain of this action, click the “No” button.

Note that if a folder is deleted from mobile app, this will be reflected in the web application after folder sync.



4.2 Search Modes

The **Search mode** provides three search options to look up materials from the Chemwatch full collection or from your own inventory.

- Simple
- Advanced
- Queries

The steps below show how to set the desired **Home** module search mode.

Set Search Mode - Simple	UI Layout
Set Simple search mode to enable basic search for materials by: • Material Name • Product Name • Chemical Name	

Set Search Mode – Advanced Options	UI Layout
Set Advanced search mode to enable advanced search using the selected parameter from the advanced search options: • Name (Material Name, Product Name, Chemical Name) • Vendor (Manufacturer) • CAS No. • CAS No. Ingredient In • DG or Sub Risk • CW No. • Packing Group • UN No. • EINECS • Document Number • Vendor Part No	

Set Search Mode - Queries	UI Layout
Set Query Builder search mode to enable queries to search for materials. Created Queries are provided as search options, for example, the following list is shown on the right-hand side panel. • Flammables Query: (dGClass equals 2.1 OR (((dGClass equal 3) OR dGClass equal 4.1))	

Steps to Set the Search Mode in Home Module

1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.



3. Click the **Magnifying Glass**  button on the top right hand side corner of the user interface to open the search mode options window.

HOME



4. Select the **Search mode** option.
 - Simple
 - **Advanced**
 - Queries

Note that the Simple mode does not provide any options as it defaults to the basic search by material name, chemical name or product name. In this worked example, click the **Advanced** search option.

5. Set the **Advanced Search Parameter** listed on the right-hand side panel options.

General	
Name	
Vendor	
CAS No	☒
CAS No Ingredient In	
CW No	
Packaging Group	
UN No	

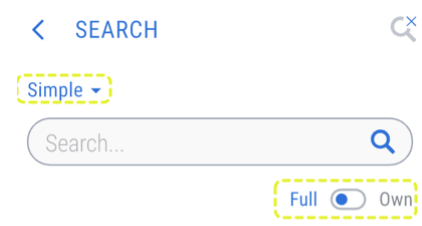
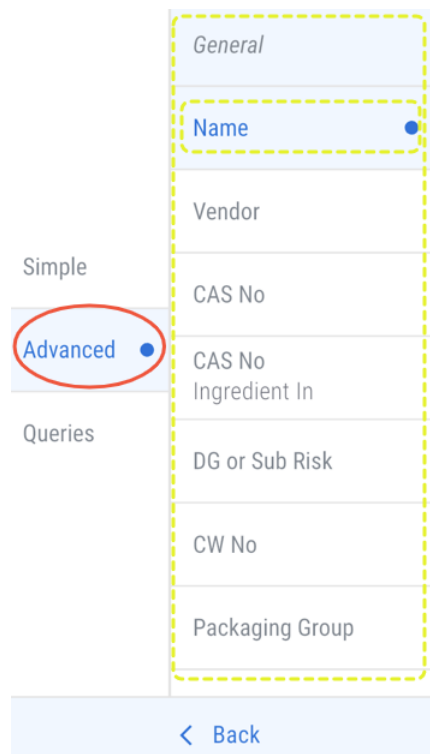
Simple ☒ Advanced ☒ Queries

6 < Back

- Name (default)
- Vendor
- **CAS No.**
- CAS No. Ingredient In
- DGC or Sub Risk
- CW No.
- Packing group

6. Click on the **Back**  button to display the set search mode.
7. Start your advanced search using the set parameter.

Descriptions of Search Modes and UI Layout

Simple Search Mode	UI Layout
Simple search mode enables users to conduct basic search for materials. - Search engine must be set to Full/Own search option - Searches can be conducted by simply entering the name of the material, chemical name or product name	 The UI layout for Simple Search Mode shows a top navigation bar with a back arrow and the word 'SEARCH'. Below this is a 'Simple' dropdown menu. A search input field with a magnifying glass icon is present. At the bottom right, there is a toggle switch labeled 'Full' and 'Own', with 'Full' currently selected.
Advanced Search Mode	UI Layout
Advanced search mode enables users to conduct searches for materials by using specific search parameters. Use the Full/Own switch to set the search mode database path. Set the search parameter from the Advanced mode: - Name - Vendor - CAS No. - CAS No (Ingredient In) - DG or Sub Risk - CW No. - Packing Group - UN No. - EINECS - Document Number - Vendor Part No.	 The UI layout for Advanced Search Mode shows a list of search parameters. The 'Advanced' mode is selected, indicated by a red circle and a blue dot. The parameters listed are: General, Name (selected with a blue dot), Vendor, CAS No, CAS No Ingredient In, DG or Sub Risk, CW No, and Packaging Group. A 'Back' button is at the bottom.

Full/Own Switch

The search mode provides two search paths (reference database):

- Full
- Own

Full Switch	UI Layout
The Full switch searches the entire Chemwatch database, providing access to a broader range of SDSs and materials, particularly when a product is not found in the user's own inventory.	
Own Switch The Own switch limits searches for the organisation's inventory, returning smaller, more precise results with exact or closely related product matches.	

4.2.1 Simple Search by Material Name

In this section, **Simple Mode Search** by material name from the own inventory is used to show how to look for a chemical or product to display a vendor SDS.

Steps to Simple Search in Own Inventory for a Product in Home Module

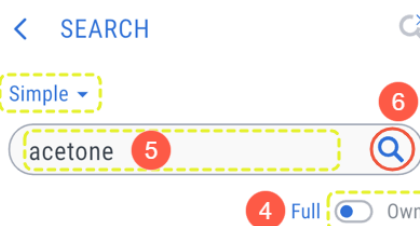
1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button in the menu slider panel on the left-hand side.



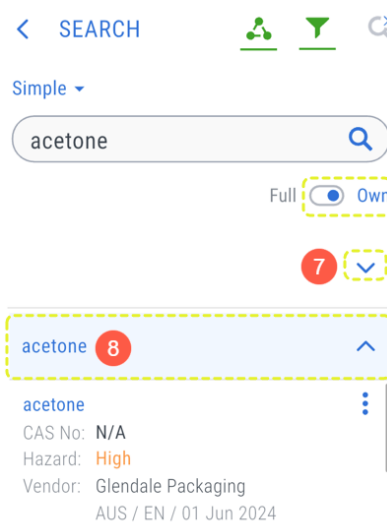
3. Click the **Magnifying Glass** button to open the default Simple Search mode.



4. In **Simple search mode**, set the search database path to **Own**.
5. Type the **Name** of the chemical or product in the search text field.



8. Click on the **Product Name** to render the **SDS** in Documents View Mode.



- Press the **Magnifying Glass** in the search text field or **Search** button. If the material is found, an exact or associated match(es) will display in search results.
- Click on the **Product Name** dropdown arrow to expand and view details of the information.

- Whilst in Documents View mode, use the **stacked dots** alongside the SDS icon to select other types of optional documents.
 - Main Documents
 - Alternative Documents
 - Special Documents

Vendor SDS Document View Mode

A Vendor SDS is a manufacturer's product safety data sheet.

16 Sections of SDS

- Product Identification
- Hazard Identification
- Composition/Ingredients
- First Aid Measures
- Fire Fighting Measures
- Accidental Release Measures
- Handling and Storage
- Exposure Controls/Personal Protection
- Physical and Chemical Properties
- Stability and Reactivity
- Toxicological Information
- Ecological Information
- Disposal Considerations
- Transport Information
- Regulatory Information
- Other Information

Importance of SDS Format and Content

- Compliance:** The standardized format ensures compliance with regional and international regulations (e.g., GHS, OSHA, REACH).
- Safety:** Detailed content helps protect workers, emergency responders, and the public by providing clear guidelines for handling chemicals safely.
- Consistency:** The globally recognized format ensures uniformity, making it easier for users to find relevant safety information quickly, regardless of the country or jurisdiction.

< Document View

SDS

9



SAFETY DATA SHEET

Issue Date: 07-Dec-2018 Revision Date: 00-May-2023 Version: 1.4

Section 1: Identification	
Product identifier:	Axelson
Product Name:	1482617
Product Code(s):	
Other means of identification:	MX418
Safety data sheet number:	
Recommended use of the chemical and restrictions on use:	
Recommended Use:	Laboratory Use, Solvent
Uses advised against:	No information available
Details of manufacturer or importer:	
Supplier:	HACH Pacific, 26 Binsley Street, Dandenong South, VIC 3175, Australia, Tel: 1300 887 735
Manufacturer:	Hach Company, P.O. Box 389, Loveland, CO 80539, USA, +1(970) 666-5060
Emergency telephone number:	13 11 20

Section 2: Hazard(s) identification	
GHS Classification:	
Flammable liquids	Category 2 - (H225)
Serious eye damage/eye irritation	Category 2A - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Label elements:	
Pictogram:	
Exclamation mark	
Signal word:	! DANGER
Hazard statements:	

EN / UGHS Page: 1 / 12

Note:

If the selected material displays a Chemwatch authored SDS, the documents view mode will provide the following documents' components:

- Main Documents
- Emergency Response Reports
- Special Documents

4.2.1.1 Documents View Mode

The Documents View Mode provides other optional documents when viewing a product's SDS.

- Main Documents
- Alternative Documents
- Special Documents



Document View Mode

The Documents View Mode provides access to view the following types of documents.

Main Documents

- SDS (Vendor)
- Mini

Alternative Documents

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

Special Documents

- HPD
- EPD

SDS conveys essential information about the chemical's properties and hazards to ensure safe handling, use, storage, and disposal. SDS must be kept up to date.

< Document View QR

Main Documents

- ☒ SDS ☐ MINI

Alternative Documents

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

- ☐ CHINA

Special documents

- ☐ HPD



Copy



Move



Delete



Share



Descriptions of Document Types

The tables below provide descriptions of the main documents and alternative documents.

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 colour coded (hazard rating) safety data sheet.
Label	Provides a list of Chemwatch default label templates with different label format and sizes and enables users to create their own custom label as User Defined labels .
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 Personal Protective Equipment (PPE) 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.

Alternative Documents	Description
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. 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.

4.2.2.2 Print Label Documents

Chemwatch provides a default list of label templates available to generate label information for a material based on the label format, size and language. User Defined templates are customised label templates by a user to their own specific compliance label requirements. Custom templates are managed in the Label Designer module in the web application.

Generally, chemicals are categorised as:

- Consumer-chemical products and labelling requirements must meet poison standards
- 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

Labels are rendered in acrobat reader pdf format and can be printed or downloaded externally for further use. There are various label formats and sizes to choose from depending on the chemical container size label requirements. Products (chemicals) have different labelling requirements depending on their use in the workplace. To generate a label for a selected material or product in the mobile app's Home module, use the slider panel's **Print Out** button.


Print out

Label Document Templates

Chemwatch Default Label Templates

- Label template name
- Label format
- Label size
- Language

User Defined

- Custom label format and size
- Translations in label template

Label Information

- Product name
- Hazard statements (H codes)
- GHS Pictograms
- Precautionary statement (P codes)
- Manufacturer/Supplier details
- Emergency contact

 HOME



Folders > ... > RAP - PFAS Substances

 ...

Trifluoroacetic acid

Poly(chlorotrifluoroethyle...

CAS No: N/A
Hazard: N/A
Vendor: Merck Life Science (Sigma-Aldr
AUS / EN / 25 Apr 2025

acrylic acid, butyl ester, t...

CAS No: 68227-96-3
Hazard: Low
Vendor: Chemwatch
AUS / EN / 10 Jul 2024
Tags: RAP - PFAS

FLUOROLUBE® S-30 US

CAS No: 9002-83-9
Hazard: N/A
Vendor: Huntsman (Vantico)
AUS / EN / 03 Apr 2024

 Create

 Offline

 Delete

 Print out

GHS label Information

Label Information (GHS)	Description
Product Identifier	Chemical name or identification number.
Signal Words	"Danger" or "Warning" to indicate the severity of the hazard.
Hazard Statements	Standardised phrases describing the nature of the hazard (e.g., "Causes skin irritation").
Precautionary Statements	Recommendations on safety measures (e.g., "Wear protective gloves").
Supplier Identification	Manufacturer or distributor information.
Pictograms	Standardised hazard symbols (e.g., Flammable, toxic, or corrosive substances).
GHS Pictograms	
Other Information	Any information about the hazards, first aid and emergency procedures relevant to the chemical, which are not otherwise included in the hazard statement or precautionary statement, emergency phone number.



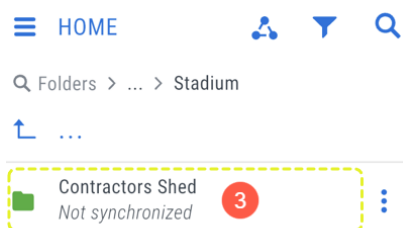
The following steps illustrate how to generate a label (format and size) for a specific material.

Steps to Generate a Label for Material in a Folder.

1. Open the **Chemwatch Mobile app**  from your device home screen to login.
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.



3. Click on a **Folder**  to open a chemical list.



4. Remember to sync your data to ensure your folder chemical list is up to date (dd/mm/yyyy) by clicking on the **Sync** icon .
5. Open on the **Slider** panel  (swipe left).
6. Click the **Print Out** button .
7. Select the **Labels dropdown arrow**  from the Documents' generator window to select the **Default**/User Defined option.

8. **Scroll down the list** of default label templates to select the **checkbox** alongside the specific **label template name** thumbnail, e.g., GHS 2 per A4_Portrait.
9. Click on a **Select** button  to go back to the chemical list to choose the material name.

10. Click the **Add icon**  to select the material name to generate the selected label for).

Notice the icon turns blue .

11. Click the **Print Out** button  at the bottom right corner of the window.

12. Click the **Print Out** button  on the automatically opened side panel.

13. Click the Document **View** button  to generate the label information based on the selected label template. Other options available are **Share**  and **QR code** .

14. The selected label template generates the document view  of the **material's label format filled with the label information**, e.g., GHS_2 Labels per A4 page.

HOME

Last Sync Time: 4/23/2026 3:42 PM 4

Placarding Bar

Folders > ... > Analytical Lab

...

Hazard: High
Vendor: Chemwatch
AUS / EN / 10 Mar 2023

acetone
CAS No: N/A
Hazard: High
Vendor: MP Biomedicals
AUS / EN / 08 Jun 2018

acetone
CAS No: N/A
Hazard: High
Vendor: Huntsman
AUS / EN / 23 Dec 2022

5

6

Create
Offline
Delete
Print out

List

Documents

Inventory

Labels 7

DefaultUser Defined

8

GHS 2 per A4_Portrait

Update

Select

9

Offline Archive

Generated Documents

HOME

Last Sync Time: 4/23/2026 3:42 PM

Placarding Bar

Folders > ... > Analytical Lab

...

Hazard: High
Vendor: Chemwatch
AUS / EN / 10 Mar 2023

acetone
CAS No: N/A
Hazard: High
Vendor: MP Biomedicals
AUS / EN / 08 Jun 2018

acetone
CAS No: N/A
Hazard: High
Vendor: Huntsman
AUS / EN / 23 Dec 2022

acetone
CAS No: 67-64-1

10

11

Print out

Folders > ... > Analytical Lab

...

Hazard: High
Vendor: Chemwatch
AUS / EN / 10 Mar 2023

acetone
CAS No: N/A
Hazard: High
Vendor: MP Biomedicals
AUS / EN / 08 Jun 2018

acetone
CAS No: N/A
Hazard: High
Vendor: Huntsman
AUS / EN / 23 Dec 2022

12

Create
Offline
Delete
Print out

Smart Suite App User Guide, Version 2

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4.2.2.3 View Sustainability Product Documents (EPD, HPD)

Steps to View EPD, HPD Documents for Material in a Folder.

- 



6. Scroll down the Documents View Mode to show the Special Documents section and select the **HPD** or **EPD** icon to load the respective document for the chemical.

HOME

Folders > ... > Stadium

...

Contractors Shed
Not synchronized 3

- Click on a **Chemical Name** to open SDS in Document View Mode.

Acetone 4

56K-D0094 Dulux Profess...

CAS No: N/A

Hazard: Moderate

Vendor: DuluxGroup

AUS / EN / 31 Aug 2022

- Click on the **stacked dots** alongside the SDS icon to access other document types.

Document View QR

First Aid PPE

Toxicological Environmental

Fire Fighting Spills

SOP Advice to Doctor

CHINA

Special documents

HPD 6

The colour coded (representing the sustainability rating) document displays in Documents View mode. Refer to the HPD, EPD Document View Mode details section to learn more about these types of Special Documents based on the worked example.

- Click the **Document View Back** icon to go back to the chemicals list window.

HPD Document View Mode

Sections of HPD Document

- Section 1 – HPD Summary
- Section 2 - Content in Descending Order of Quantity
- Section 3 – Certifications and Compliance

HPD Document Content

- Product Greenscreen
- Product Regulatory Burden
- Product Hazard Rating
- Ingredient Composition
- Risk Rating
- Lists of certification and standards compliance where applicable

Chemwatch
Powered by Innovation

Health Product Declaration

PCR Tag of: 68K-20084 Dulux Professional Fast Finish Undercoat & Ceiling Flat
Manufactured by: DuluxGroup

Product Description: This section can be edited in edit mode
Classification: This section can be edited in edit mode

Section 1 Summary

Product Greenscreen	Product Regulatory Burden	Product Hazard Rating
LTJNK	2 Moderately Regulated	2 Moderate

Product Automated Risk Assessment Rating **State Liquid**

	Operating Temperature	Volatility/Dustiness	Scale of Use	Frequency of Use	Risk Band
Assembly Use	25 °C	Powder	Millilitres	Weekly <30 minutes	1
Educational Use	25 °C	Powder	Millilitres	Daily 30-60 minutes	3
Residential Use	25 °C	Powder	Millilitres	Weekly 30-60 minutes	2
Residing of Tenant (for construction industry only - applied to walls, etc.)	25 °C	Low	Litres	Daily >4 hours	4
Mercantile Use	25 °C	Powder	Litres	Weekly >4 hours	4
Business Use other than Laboratories	25 °C	Powder	Millilitres	Daily 30-60 minutes	3
Industrial Use	25 °C	Powder	Litres	Daily 1-4 hours	4
Storage Use	25 °C	Powder	Litres	Monthly 1-4 hours	1

Does this product contain nanoparticles or fibrous materials?: **Unknown — composition incomplete (0.12% specified)**
Can this product be recycled?: **Not Answered**
Does this product contain uncharacterised residuals or impurities?: **Not Answered**

Section 2 Content in Descending Order of Quantity

Substance 1: 1,2-benzisothiazoline-3-one Substance Risk: **N/A** Composition: **<0.06 %**

Greenscreen	Regulatory Burden	Hazard Rating
LT-P1	1 Lightly Regulated	3 High

1,2-benzisothiazoline-3-one Automated Risk Assessment Rating **State Liquid**

	Operating Temperature	Volatility/Dustiness	Scale of Use	Frequency of Use	Risk Band
Assembly Use	25 °C	Powder	Millilitres	Weekly <30 minutes	1
Educational Use	25 °C	Powder	Millilitres	Daily 30-60 minutes	3
Residential Use	25 °C	Powder	Millilitres	Weekly 30-60 minutes	2
Residing of Tenant (for construction industry only - applied to walls, etc.)	25 °C	Low	Litres	Daily >4 hours	4
Mercantile Use	25 °C	Powder	Litres	Weekly >4 hours	4
Business Use other than Laboratories	25 °C	Powder	Millilitres	Daily 30-60 minutes	3
Industrial Use	25 °C	Powder	Litres	Daily 1-4 hours	4
Storage Use	25 °C	Powder	Litres	Monthly 1-4 hours	1

Substance 2: 6-chloro-3-methyl-4-isothiazolin-3-one Substance Risk: **N/A** Composition: **<0.06 %**

EPD Document View Mode

Sections of EPD Document

- EPD Summary, EPD Confidence Score (%)
- Life Cycle Inventory Assessment Results
- Ingredients

Importance of EPD Document Content

- Climate Change Parameters, Units, Total (A1-A3) values
- Climate Change Rating (A, B, C, D, ?)
- Ingredients Composition, LCA Confidence
- Contact Information

Chemwatch
Powered by Innovation

Environmental Product Declaration

PCR 1 tag of: 68K-20084 Dulux Professional Fast Finish Undercoat & Ceiling Flat
Manufactured by: DuluxGroup

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 = **60%**

Life Cycle Inventory Assessment Results

3.9 kg CO2 eq

Parameter	Units	Total (A1-A3)
Climate Change Fossil Fuels	kg CO2 eq	3.9
Climate Change Biogenic	kg CO2 eq	0.0096
Climate Change Land Use	kg CO2 eq	0.0035
Climate Change Total	kg CO2 eq	3.9

Climate Change Rating

A B C D ?

Parameter	Units	Total (A1-A3)
Acidification	mol H+ eq	0.023
Eutrophication Freshwater	kg P+ eq	0.0011
Eutrophication Marine	kg N+ eq	0.0044
Eutrophication Terrestrial	mol 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
Depletion-Weighted Water Use	m3 world eq	2.4

Parameter	Units	Total (A1-A3)
Hazardous Waste Disposed	kg	1.6 × 10 ⁻⁶
Non-hazardous Waste Disposed	kg	0.37
Radioactive Waste Disposed	kg	5.3 × 10 ⁻⁶

Ingredients

Ingredient Name	Cas Number	% w/w Population	LCA Confidence
1,3-benzisothiazoline-3-one	2634-33-5	<0.05	0.5
6-chloro-3-methyl-4-isothiazolin-3-one	26172-05-4	<0.05	0.5
3-methyl-4-isothiazolin-3-one	2692-20-4	<0.05	0.5
Ingredients determined to be non-hazardous or below reporting limits			Balance

Contact Information

DuluxGroup
70 Marjorie Avenue Villawood 2163 NSW AUS
company.info@duluxgroup.com.au
Not Available

4.2.2 Advanced Search

The **Advanced Search** mode allows users to find chemicals or products in a quicker way to retrieve exact match(es) based on the advanced search parameter applied.

Advanced Search Parameters Descriptions

Name: Search by the name of the product or chemical.	
Vendor: Search by the vendor or manufacturer name or supplier name.	
CAS No.: Search by CAS No. (Chemical Abstract Substance Number).	
CAS No. (Ingredient In): Search by CAS No. Ingredient In.	
DG or Sub Risk: Search by Dangerous Goods Class or Sub Risk.	
CW No.: Search Chemwatch Number.	
Packing Group: Search by Dangerous Goods Packing Group.	
UN No.: Search by the United Nations Number of the substance.	
EINECS: Search by the European Inventory of Existing Commercial Chemical Substance number.	
Document Number: Search by the document number.	
Vendor Part No.: Search by Vendor part number.	

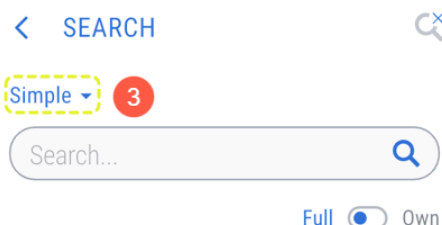
The steps below illustrate how to search for a product or chemical name by **CAS No.**

Steps to Search for a Product using Advanced Search CAS No.

1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button in the menu slider panel on the left-hand side.



3. Click the default **Simple** dropdown arrow in the search panel to open the search mode options window.



4. Select the **Advanced** option to set the search parameter, e.g. **CAS No.**
5. Click the **Back** button at the middle bottom area of the advanced search mode options window.
6. Use the toggle button to set the reference path to search in Full or **Own**.
7. Type the **CAS No.** of the chemical or product in the search text field, e.g., 67-64-1.
8. Click the **Magnifying Glass** to perform the search by CAS number. If the material is found, an exact or associated match(es) will display in search results.
9. Select the **Chemical Name** to display the SDS.

The screenshot shows a search interface with a sidebar on the left containing 'Simple', 'Advanced' (highlighted with a red circle and a blue dot), and 'Queries'. The main area has a 'CAS No' field highlighted with a yellow dashed box and a blue dot. Below the sidebar, there is a 'Back' button highlighted with a yellow dashed box and a blue dot.

The screenshot shows a search interface with a 'SEARCH' header. Below it, there is a 'CAS No' dropdown menu. A search bar contains the text 'Search...' and a magnifying glass icon. To the right of the search bar, there is a toggle switch labeled 'Full' and 'Own'. Below the search bar, there is a large empty box with a yellow dashed border, indicating where search results would be displayed.

Document View Mode – SDS Display

The screenshot shows the 'Document View' interface. At the top, there is a 'Document View' header with a QR code icon. Below it, there is a 'SDS' button. The main content area displays the 'SAFETY DATA SHEET' for 'Acetone' from 'Sigma-Aldrich'. The document includes sections for 'Identification of the substance/mixture and of the company/undertaking', 'Hazard identification', and 'Precautionary statements'. The document is titled 'Version 6.5' and 'Revision Date 25.07.2023'.

4.3 Scan SDS QR Codes

Chemwatch QR Codes are a gateway to efficient, compliant and sustainable supply chain management to benefit businesses and organisations to streamline product information management and transparency. QR codes simplify data retrieval to access essential information for each product at a click of a button to quickly scan and facilitate informed chemical handling and decision-making processes, promoting compliance.

Key information accessible via QR Codes:

- Safety Data Sheets (SDS)
- Chemical Inventory List
- Manifest List
- One-page Mini SDS

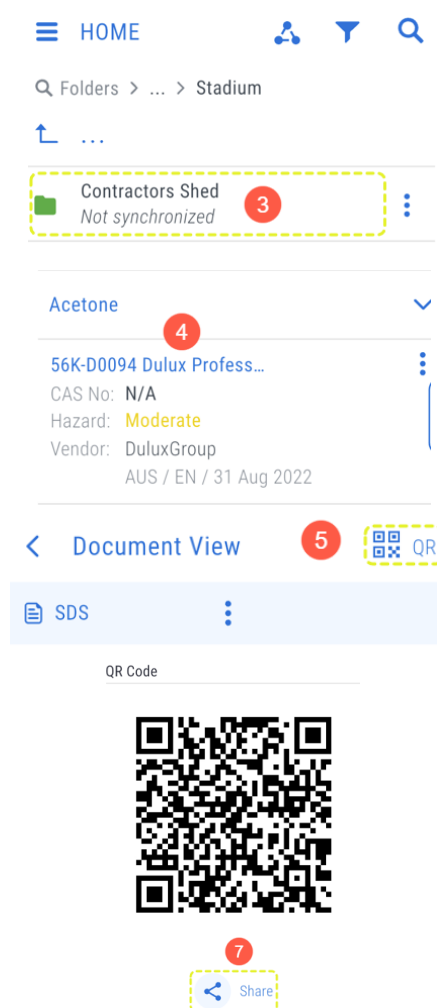
Access to documents via QR codes scanning must be enabled by the domain administrator for mobile app users to render respective documents. It is also important to enable mobile devices settings to allow scanning using the camera.

Steps to View SDS in Home Module and Scan SDS QR Code and Share (via email)

1. **Open the Chemwatch Mobile app**  from your device home screen to login.
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.



3. Click the **Folder Name**  to open the list of chemicals.
4. Click the **Chemical Name** to view SDS.
5. Click on the **SDS QR Code** button on the top right corner of the Document View mode.
6. Click on the **Share**  icon to send the QR code image via email.
7. Use the mobile device camera to **Scan the QR Code** in your email to render the Vendor SDS.



4.4 Search and Add Chemical to a Folder

In this section, **Simple Search** by name from the own inventory is used to show how to look for a chemical or product to display a vendor SDS.

Steps to Search for a Chemical in Full Collection and Add it to a Folder

1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button in the menu slider panel on the left-hand side.
3. Click the **Magnifying Glass** button to open the default Simple Search mode.
4. Set the Simple mode search database path to **Full**.
5. Type the **Name** of the chemical or product in the search text field.
6. Press the **Magnifying Glass** or **Search** button. If the material is found, an exact or associated match(es) will display in search results.
7. Click the **material name dropdown arrow** to list multiple vendor SDS records.
8. Select the **Copy** icon alongside the material name to copy the product SDS.
9. Click the **Select Folder** button at the bottom right corner of the window to choose the destination folder location.
10. Select the **Add** icon alongside the folder name to add the material SDS.
11. Click the **Yes** button in the Info message window to confirm action.

Material SDS will be added into the designated folder location.

Home 2

HOME 3

Search for a folder

Favorites

Australia
6 folders, Not synchronized

SEARCH

Simple

acetone 5 6

4 Full Own

Acetone 7

Acetone
CAS No: N/A
Vendor: Hach (a part of Danaher) 8
AUS / EN / 09 May 2023

< SEARCH

Simple ▾

acetone

Full ☒ Own ☐

Acetone 7

Acetone
CAS No: N/A 8
Vendor: Hach (a part of Danaher)
AUS / EN / 09 May 2023

Ledipasvir acetone
CAS No: 1441674-54-9
Vendor: Chemwatch
ANY / ANY / 10 Jan 2023

vanillylidene acetone
CAS No: 1080-12-2
Vendor: Chemwatch
ANY / ANY / 20 Jun 2022

bromoacetone
CAS No: 598-31-2
Vendor: Chemwatch
ANY / ANY / 20 Jun 2022

✕ Cancel 9
 Select Folder

< SELECT FOLDER(S)

Folders > Australia

...

New South Wales
3 folders

Queensland
3 folders

RAP - PFAS Substances 10

+

South Australia
1 folder

Info

Add item(s) to RAP - PFAS Substances

11 Yes
No

Note that if a folder that is not designated as a storage folder (meaning that the folder property “**Store Materials**” was **not applied** when creating the folder) in this case, an information window will pop-up with the message “**You can’t store materials in this folder**”.

You can't store materials in this folder

OK

Note that a “**Storage**” folder (green) is allowed to store materials, by default, the “Store Materials” toggle icon is enabled. To learn more about folder property “Store Materials”, go to section 4.1.2 of this guide.

“Store Material” Folder Property

Folder Properties Sisot Folder Settings

Folder Name *

Folder Type *
 Country ▾

Folder owner

Store Materials

Green Folder (allowed to store materials)

< SELECT FOLDER(S)

Folders > ... > Victoria > Laboratory

...

Analytical Lab

+

Organic Chems Cupboard

+

4.4 Filtering and Grouping Chemical List

HOME →

Q Folders > ... > RAP - PFAS Substances

↑ ...

Trifluoroacetic acid

CAS No: 76-05-1
Hazard: **Extreme**
Vendor: Merck Life Science (Sigma-Aldrich)
AUS / EN / 28 Sep 2025
Tags: **RAP - PFAS**

Trifluoroacetic acid

CAS No: N/A
Hazard: N/A
Vendor: Merck (Sigma-Aldrich)
AUS / EN / 08 Jul 2025

Poly(chlorotrifluoroethyle...

CAS No: N/A
Hazard: N/A
Vendor: Merck Life Science (Sigma-Aldrich)
AUS / EN / 25 Apr 2025

There are two main filtering methods available in the mobile app to filter materials list:

- Filter
- Group

The mobile app provides filtering features to apply specific filter criteria to quickly narrow down a material list to display only those chemicals that satisfy the selected filter condition.

- Group Filter
- Hazards/Data Filter

Chemical hazards filtering provides an instant way to identify hazardous chemicals without manually reviewing every chemical in an inventory. This significantly reduces the time required to analyse and locate substances that may pose risks to human health or the environment in the workplace.

The application enables users to filter chemicals using hazard indicators based on the Globally Harmonized System of Classification and Labelling of Chemicals (GHS hazard codes) and Dangerous Goods (DG) classes from the UN Dangerous Goods Model Regulations. These filters allow the system to quickly display materials that may be high-risk chemicals or that require special handling, storage, or control measures.

By using these hazard filters, organisations can improve safety, streamline risk assessments, and support regulatory compliance when managing hazardous chemicals in the workplace. There is some use cases in a workplace that may require a safety officer to identify:

- Carcinogens
- Flammable liquids stored on site,
- Sensitisers
- Oxidisers
- Embryo toxins
- Corrosives
- Mutagens

Filter

Use Hazards or Data Filter with Sorting toggle .

The **Hazards/Data Filter** contains these main filtering categories:

- Hazards/Data Filers
- Classification Available
- Vendors
- Countries
- Languages
- Tags
- Regulatory Burden
- Dangerous Goods
- HPD
- EPD

Group

Use the Grouping Filter options:

- Document Name

Document Name is the name of the material SDS (pures or mixtures).

- CW No. (Chemwatch Number)

CW No. is a Chemwatch internal registered identification number assigned to a material (chemical) in the full database.

The following table provides the descriptions of these hazard/data filter categories.

Filters

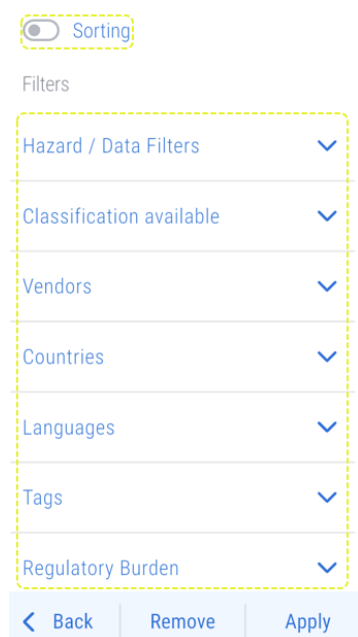
Sort

Use the toggle icon  to **Sort** by these options. Select the **"No Sorting"** option on the dropdown to go back to the main filter window.

Filter Options

Filter by:

- Material Name
- Regulatory Burden
- Volume

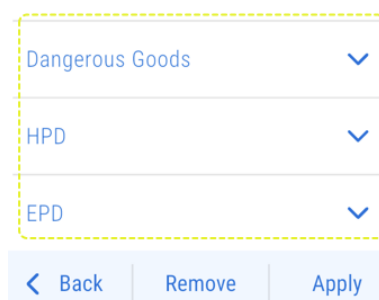


Sorting 

Filters

- Hazard / Data Filters
- Classification available
- Vendors
- Countries
- Languages
- Tags
- Regulatory Burden

< Back Remove Apply



Filter by:

- Dangerous Goods
- HPD
- EPD

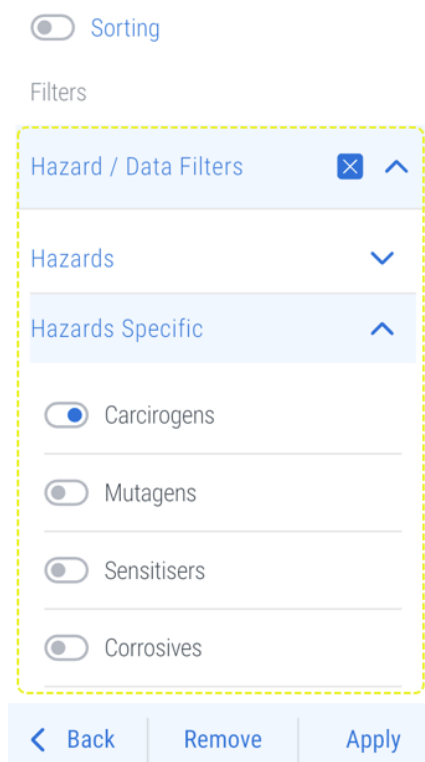
< Back Remove Apply

Hazard/Data Filters

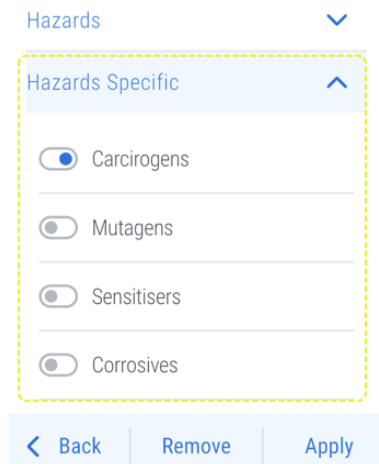
Use the dropdown arrow ▼ to choose the type of filter category:

- Hazards
- Specific Hazards
- Dangerous Goods
- Dangerous Goods Specific

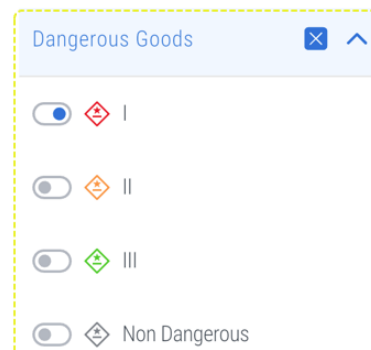
The **Hazards filter** enables users to filter the items by all hazards, non-hazardous, health, environment, physical.



The **Hazards Specific filter** allows users to filter by carcinogens, mutagens, sensitisers, corrosives, peroxide formers, reprotoxins, embryotoxins.



The **Dangerous Goods Filter** provides users options to items by all dangerous goods, non-dangerous goods.



The **Dangerous Goods-Specific filter** enables users to narrow down the list by filtering for corrosives, explosives, flammables, oxidisers, toxic/harmful, radioactive, water reactive, miscellaneous.

Classification Available

This section provides two classification options:

- Chemwatch Classification
- Vendor Classification

Turn on the Switch icon  to filter data by Chemwatch classification.

Turn on the Switch icon  to filter data by Vendor classification.

Vendors

This section provides listed Vendors available in your selected folder inventory for your SDSs.

Use the Switch icon to turn on a specific Vendor for the product(s).

Use the “**Show More**” button to all available vendors to filter the folder inventory.

Countries

Use the Switch icon to turn on the country or countries that are applicable to the folder.

- Filter by country depending on the number of SDSs available for that country in the selected folder inventory.

Languages

Use the Switch icon to turn on the language or languages that are applicable to the folder.

- Filter by language depending on the number of SDSs available for the language in the selected folder inventory.

Tags

Use the Switch icon to turn on any tag to filter by tag(s).

- Filter the inventory list with any specific tag. The number products that contain the tag in the chemical inventory is shown alongside the specific tag.

Regulatory Burden

Use the Switch icon to turn on a specific regulatory burden rating.

- Filter by specific regulatory burden rating to identify products that are lightly, moderately, highly or extremely regulated.

Dangerous Goods

Use the Switch icon to turn on Dangerous Goods Packing Group. Packing Group (PKG) is the grading of danger for materials classified as dangerous goods.

- Filter the inventory by dangerous goods packing group I, II, III or non-dangerous to identify dangerous goods by level of danger.

PKG	Icon	Level of Danger
I		Greater danger
II		Medium danger
III		Minor danger
Non-Dangerous		Non-dangerous

HPD

Use the Switch icon  to turn on the Health Product Declaration (HPD) rating.

- Filter the inventory by HPD rating of the product to identify transparency and health impact associated with building and construction, identify those products that may pose risks to human health and the environment.

EPD Class	Filter Icon	Colour-Code
A		Green
B		Yellow
C		Orange
D		Red
?		Grey

☐ Sorting

Filters

Dangerous Goods  

☒  I

☐  II

☐  III

☐  Non Dangerous

HPD 

EPD 

[< Back](#)

[Remove](#)

[Apply](#)

EPD

Use the Switch icon  to turn on the Health Product Declaration (EPD) rating.

- Filter the inventory by EPD rating to identify products impact to the environment showcasing the products carbon footprint and other sustainability metrics.

Green Screen Rating	Filter Icon	Colour-Code
NoGS1		Green
LT-UNK		Yellow
LT-P1		Orange
LT-1		Red
?		Grey

☐ Sorting

Filters

Dangerous Goods  

☒  I

☐  II

☐  III

☐  Non Dangerous

HPD 

EPD 

[< Back](#)

[Remove](#)

[Apply](#)

4.4.1 Filter by Hazards/Data and Other Categories

The steps below illustrate how to filter an inventory folder list of chemicals by hazards/data for any products that fall under the category for hazardous chemicals that are classified as carcinogen.

Carcinogenic chemicals in the system are identified by H-Codes (hazard codes) based on the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Hazard Codes (H-Codes) and Hazard Statement

Hazard Code	Hazard Statement
H-350	May cause cancer
H350i	May cause cancer by inhalation
H351	Suspected of causing cancer

Pure substances and mixtures (ingredients at a specific concentration or (otherwise specific)) in accordance with specific health and safety regulations, are categorised as:

- Prohibited Carcinogens
- Restricted Carcinogens

Examples, Australian WHS Regulations (Schedule 10)

Prohibited Carcinogen	CAS Number	Chemical Structure
Benzidine	92-67-1	$\begin{array}{c} \text{NH}_2 \quad \text{NH}_2 \\ \quad \\ \text{---} \text{---} \text{---} \end{array}$
4-Dimethylaminoazobenzene	60-11-7	$\begin{array}{c} \text{N}(\text{CH}_3)_2 \\ \\ \text{C}_6\text{H}_4\text{---N=N---C}_6\text{H}_5 \end{array}$
4-Nitrodiphenyl	92-93-3	$\begin{array}{c} \text{NO}_2 \\ \\ \text{C}_6\text{H}_4\text{---C}_6\text{H}_5 \end{array}$

Restricted Carcinogen	CAS Number	Restricted Use	Chemical Structure
Benzene	71-43-2	All uses involving benzene as feedstock contain >50% of, by volume.	$\begin{array}{c} \text{H} \\ \\ \text{H} \text{---} \text{C}_6\text{H}_5 \end{array}$
Dimethyl Sulfate	77-78-1	All uses of dimethyl sulfate are restricted.	$\begin{array}{c} \text{O} \\ \\ \text{CH}_3\text{---O---S---O---CH}_3 \\ \\ \text{O} \end{array}$
Ethylene dibromide	106-93-4	Used as a fumigant	$\begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{Br---C---C---Br} \\ \quad \\ \text{H} \quad \text{H} \end{array}$

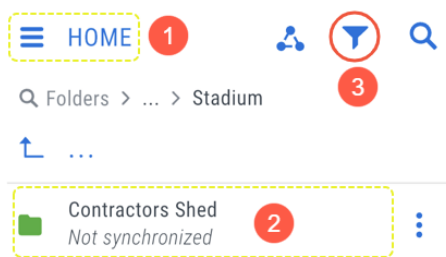
Identifying carcinogenic materials in the workplace helps businesses and organisations protect workers from long-term exposure risks, implement exposure controls, meet regulatory requirements, conduct risk assessments, product SDS, labelling containers, and hazard communication.

The steps below show how to filter a materials list by hazards, specifically - carcinogens.

Steps to Filter Inventory Chemical List by Carcinogens

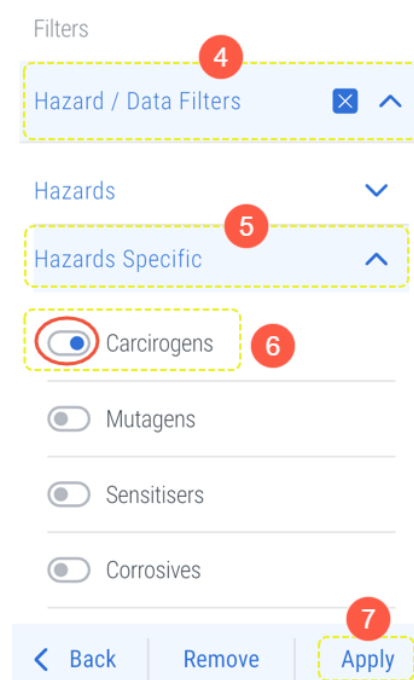
Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list.
3. On the top right corner of the list window, select the **Filter**  icon to open the filtering options window.



4. Click the **Hazards/Data filters** category dropdown arrow .
5. Select the **Hazards Specific** dropdown to view options.
6. Turn on the **Carcinogens** toggle .
7. Click the **Apply** button at the bottom right corner of the filter window.

The blue filter  icon turns green to reflect found results for any chemical classified as hazardous by carcinogenic effects.



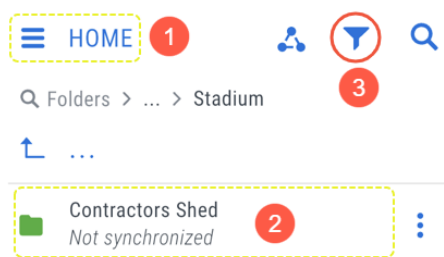
8. Select the **Filter** icon (green) to turn it off and go back to the filter window.

The following steps illustrate how to filter an inventory folder list of chemicals by hazards/data filters for any products that pose a greater level of danger (PKG I).

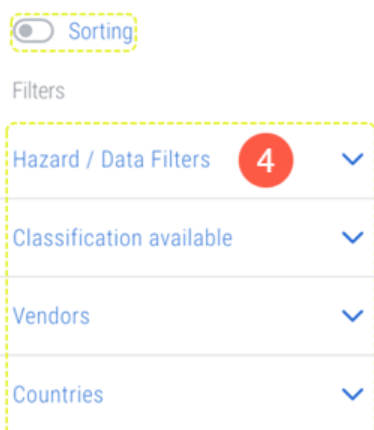
Steps to Filter Inventory Chemical List by Dangerous Goods Packing Group I

Open the **Chemwatch Mobile app**  from your device home screen to login.

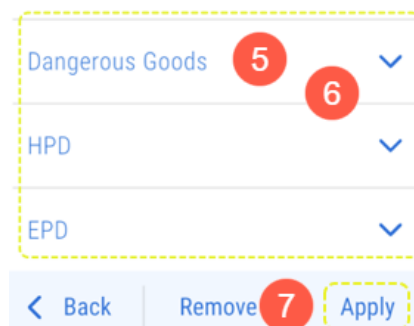
1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list.
3. On the top right corner of the list window, select the **Filter**  icon to open the filtering options.



4. Click the **Hazards/Data filters** category dropdown arrow .



5. Click on the **Dangerous Goods** dropdown to view packing group options.
6. Turn on **Packing Group (PKG I)** toggle  button.
7. Click the **Apply** button at the bottom right corner of the filter window.



The blue filter  icon turns green to reflect found results for any chemical that is classified as a dangerous good and great danger.

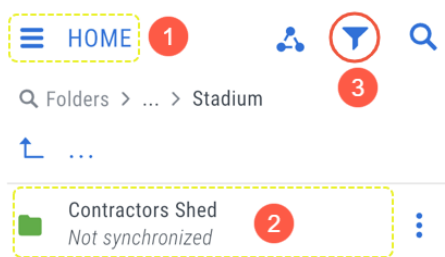
8. Select the **Filter** icon (green) to turn it off and go back to the filter view window.
9. Click the **Remove** button at the bottom of the filter window to reset it to default.

The steps below illustrate how to filter an inventory folder list of chemicals by hazards/data filters for any products that pose a greater level of danger (PKG I).

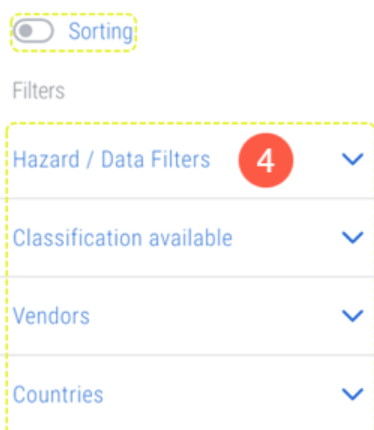
Steps to Filter Inventory Chemical List by Country

Open the **Chemwatch Mobile app** from your device home screen to login.

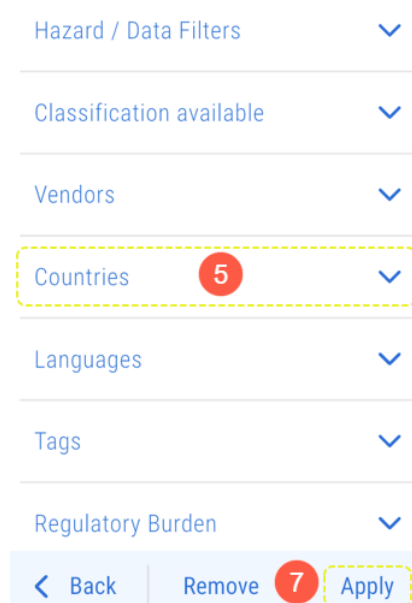
1. Tap the **Home Module** button in the menu slider panel on the left-hand side.
2. Click on a **Folder** to open a chemical list.
3. On the top right corner of the list window, select the **Filter** icon to open the filtering options.



4. Click the **Hazards/Data filters** category dropdown arrow .



5. Click on the **Country** dropdown to view country(ies) associated with SDSs in the folder.
6. Choose a Country by switching on the toggle button alongside the specific **Country Name**.
7. Click the **Apply** button at the bottom right corner of the filter window.

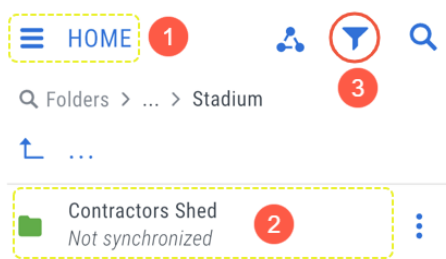


The blue filter icon turns green to reflect found results for chemical SDSs by that specific country.

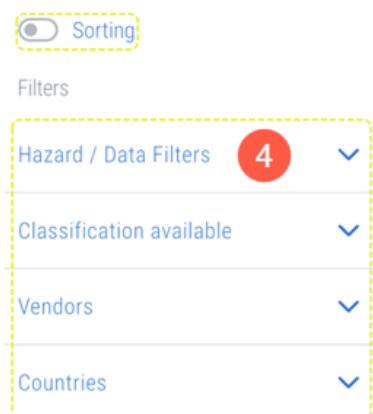
8. Select the **Filter** icon (green) to turn it off and go back to the filter view window.
9. Click the **Remove** button at the bottom of the filter window to reset it to default.

Steps to Filter Inventory Chemical List by Language

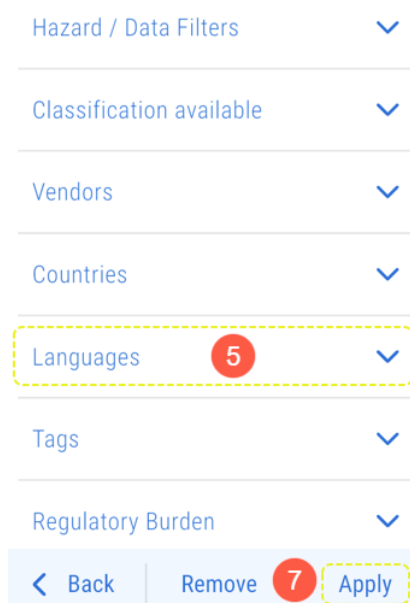
1. Open the **Chemwatch Mobile app** from your device home screen to login.
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
3. Click on a **Folder**  to open a chemical list.
4. On the top right corner of the list window, select the **Filter** icon to open the filtering options.



5. Click the **Hazards/Data filters** category dropdown arrow .



6. Click on the **Language** dropdown to view language(es) associated with SDSs in the folder.
7. Choose a Language(s) by turning on the **Language** toggle  button.
8. Click the **Apply** button at the bottom right corner of the filter window.



The blue filter icon turns green to reflect found results for the chemical SDSs by that specific language.

9. Select the **Filter** icon (green) at the top right corner to turn it off and go back to the filter view window.
10. Click the **Remove** button at the bottom of the filter window to reset it to default.

4.4.2 Filter by Grouping Method

The Group  Filter method enables users to filter an inventory chemical list by grouping materials using the following filtering parameters:

- Document Name
- CW No.

The table below provides the grouping method descriptions.

Document Name	Group By ☐ Document Name ☒ CW No
The Document Name option enables users to filter inventory list of chemicals by the name of document (i.e. vendor SDS document name).	
CW No.	
The CW No. (Chemwatch Number) option allows users to filter inventory lists of chemicals by Chemwatch Number. A Chemwatch Number is a registered identification for the material in the Chemwatch database.	

The steps below show how to use the grouping method to filter materials by CW No.

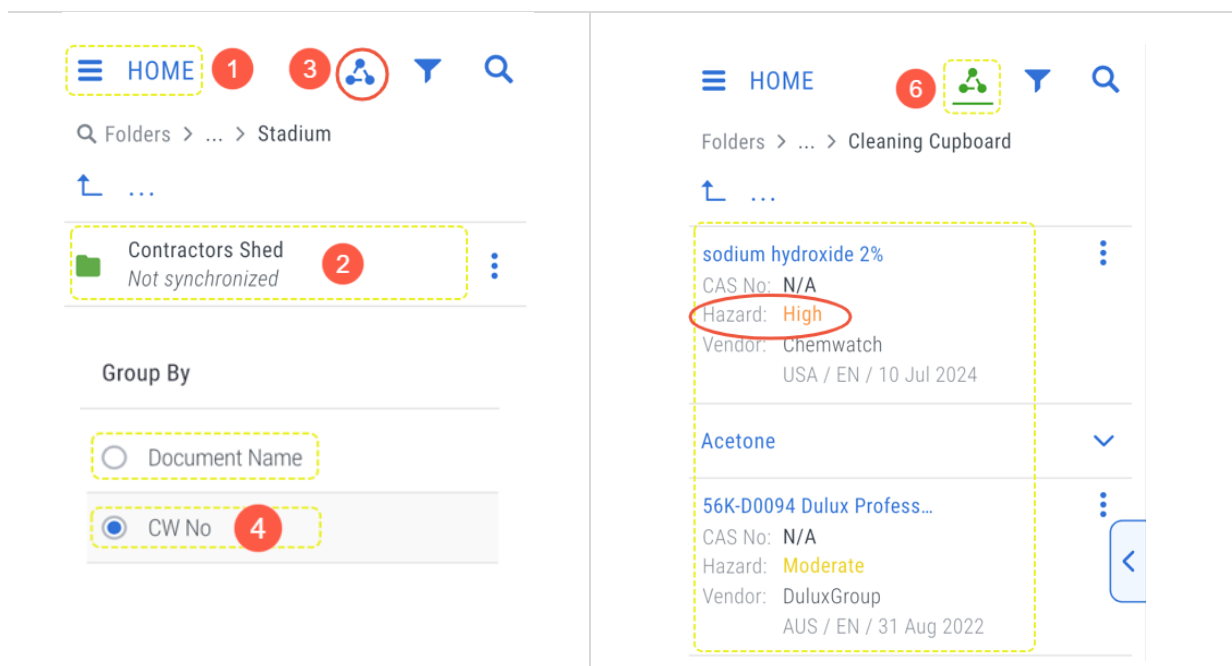
Steps to Filter Inventory Chemical List by CW No.

Open the Chemwatch Mobile app  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list.
3. On the top right corner of the list window, select the **Group Filter**  icon to open the filtering options.
4. Click the **CW No.** radio ☐ button option.
5. Click the **Back**  **Back** button to view the grouped materials by CW No.

The blue group filter  icon turns green  to reflect filtered results. The filtered material list shows the vendor as Chemwatch with the corresponding Chemwatch hazard ratings (colour coded).

6. Select the **Green Group Filter**  icon at the top right corner to turn it off.
7. Click on the **Remove** button at the bottom of the filter window to reset it to default.



4.5 Copy, Move or Delete Chemicals

The mobile app functionality provides material distribution into folders allowed to store materials or recycle bin.

Material Distribution Functions	Attributes
Copy Material(s) Users can add or copy materials into a folder.	- Access to folder (parent/subfolder) - Folder inventory - Read-write folder permission to copy material(s) - Folder history
Move Material(s) Users can move single or multiple material(s) into another folder.	- Access to folders (source or destination folder) - Folder inventory - Read-write folder permission to move material(s) - Folder history
Delete Material(s) Users can delete single or multiple material(s). Deleted materials are funneled into the recycle bin. The folder history captures all folder activity logs for reference and tracking of deleted items.	- Access to storage folders and recycle bin - Folder inventory - Read-write folder permission - Folder history

Copy, Move and Delete functions are dependent on user folder permissions and privileges assigned to users. These user access attributes help to control who can or is permitted to copy, move or delete materials. In a chemicals management system, the ability to copy, move or delete chemicals helps to keep inventories up to date, accurate and compliant with data/records management as part of the business health and safety obligations related to the following categories:

- Chemical Register (Inventory)
- Hazardous Chemical Register
- Risk Assessment Register
- Placarding Reporting
- Manifest Hazard Facility Reporting
- Dangerous Goods Register

It is imperatively important to keep track of the movement of products or chemical containers within the business or organisation to identify any discrepancies in inventory stocktake and reconciliation.

Chemical Details and Attributes Window

Viewing materials details and distribution functions in chemical details window.	• Edit (Preferred Name) • View SDS • Vendor (Manufacturer) • Add Vendor • Country/Language SDS Country/Language • SDS Issue Date (dd/mm/yyyy) • Hazard Rating (Very High/Extreme, High, Moderate, Low.) • Copy material • Move material • Delete material • Share (Email SDS) • Offline (Download SDS) • Attachments • Tags Optional feature	
acetone Glendale Packaging AUS / EN / 01 Jun 2024 Hazard Rating: High Auto Approval: Conditional View Copy Offline Move Share Delete Attachments Tags More Details		

Copy Material

The steps below show how to copy a chemical (i.e., to create a record of an existing chemical in your inventory) to another folder or site. This action is generally used when the same chemical is stored in multiple locations or used by different departments for the same or varying purposes.

Steps to Copy Material into a Folder.

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Home Module** button in the menu slider panel on the left-hand side.
2. Click on a **Folder** to open a chemical list.
3. On the right of the chemical name, select the **stacked dots** to access the copy function in the chemical details and attributes window.
4. Click the **Copy** icon to copy material.

If a parent (, , etc.) folder's copy icon is selected and it's **not allowed to store material**, an alert message will display. Click the Ok button to continue to expand parent folder to view storage subfolders where materials are allowed to be stored.

5. Select the **Copy icon** alongside the **storage folder** **name** where the chemical is to be copied into.

The Information window displays to confirm destination folder.

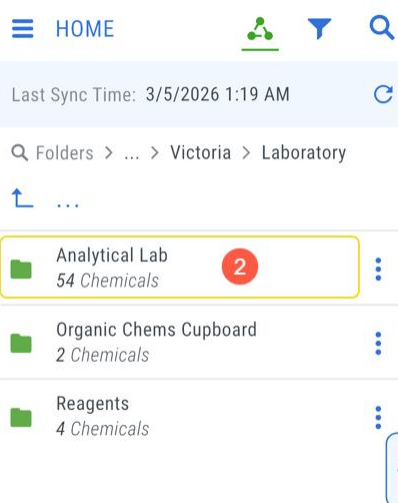
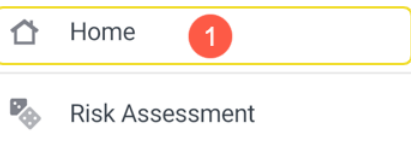
6. Select the **Yes** button to confirm action. Material is copied into the destination folder.

Note:

If the document exists in the destination folder, message displays that identical copies are not allowed.

Such document exists already in this folder. Identical copies are not allowed.

OK



HOME

Last Sync Time: 3/5/2026 10:50 AM

Folders > ... > Analytical Lab

acetone

acetone

CAS No: N/A

Hazard: High

Vendor: MP Biomedicals

AUS / EN / 08 Jun 2018

ACETONE

CAS No: 67-64-1

Hazard: High

Vendor: Diggers (a part of Recochem)

AUS / EN / 28 Feb 2022

acetone

MP Biomedicals

AUS / EN / 08 Jun 2018

Hazard Rating: High

Auto Approval: Conditional

View

Copy

Offline

Move

Share

Delete

Attachments

SELECT FOLDER(S)

Folders > ... > Victoria > Laboratory

Analytical Lab

Organic Chems Cupboard

Reagents

Info

There are no child folders. Move chosen item to the folder Reagents?

Don't ask again

Yes

No

Material Copied into Folder

acetone

acetone

CAS No: N/A

Hazard: High

Vendor: MP Biomedicals

AUS / EN / 08 Jun 2018

 Move Material

The steps below show how to move a chemical from one location to another folder. This manual action transfers a chemical from a source folder to a destination folder.

Steps to Move Material into another Folder.

Open the Chemwatch Mobile app  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list.
3. On the right corner of chemical, select the **stacked dots**  to access the move function in the chemical details and attributes window.

4. Click the **Move**  icon to move material.
5. Select the **Move**  icon alongside the destination folder  where the chemical is to be transferred to.
6. The Information window displays confirmation of the moved material into destination folder. Select the **OK** button to close window.



 Home **1**

 Risk Assessment

≡ HOME



Last Sync Time: 3/5/2026 1:19 AM 

🔍 Folders > ... > Victoria > Laboratory

⬆ ...

 Analytical Lab **2**
54 Chemicals

 Organic Chems Cupboard
2 Chemicals

 Reagents
4 Chemicals



HOME

Last Sync Time: 3/5/2026 10:50 AM

Folders > ... > Analytical Lab

...

acetone

acetone
CAS No: N/A
Hazard: High
Vendor: MP Biomedicals
AUS / EN / 08 Jun 2018

ACETONE
CAS No: 67-64-1
Hazard: High
Vendor: Diggers (a part of Recochem)
AUS / EN / 28 Feb 2022

acetone
• MP Biomedicals
AUS / EN / 08 Jun 2018
Hazard Rating: High
Auto Approval: Conditional

View

Copy

Offline

Move

Share

Delete

Attachments

SELECT FOLDER(S)

Folders > ... > Victoria > Cleaners

...

Carril de Limpieza

5

Cleaning Cupboard

Info

There are no child folders. Move chosen item to the folder Carril de Limpieza?

☐ Don't ask again

6 Yes No

Material Moved into the Folder

acetone

acetone
CAS No: N/A
Hazard: High
Vendor: MP Biomedicals
AUS / EN / 08 Jun 2018



Delete Material

The steps below show how to delete a chemical from a folder. This action will remove the chemical record from the mobile application. Chemicals get deleted because they are generally no longer in use or held in that location and removed.

Steps to Delete a Material from a Folder

Open the Chemwatch Mobile app  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list.
3. On the right corner of chemical, select the **stacked dots**  to access the delete function.

4. Click the **Delete**  (Recycle) icon to remove material.

The Information window displays to confirm deletion of selected material.

5. Select the **Yes** button to confirm the delete action.

The chemical will be removed from the folder into the recycle bin.



 Risk Assessment

≡ HOME



Last Sync Time: 3/5/2026 1:19 AM 

🔍 Folders > ... > Victoria > Laboratory



 Analytical Lab
54 Chemicals 

 Organic Chems Cupboard
2 Chemicals

 Reagents
4 Chemicals



Material gets removed from the Folder.

Generally, a chemicals management system's main objective is to capture information on how chemicals are managed in the workplace. This information includes areas, sections and locations where chemicals are stored or used within a business or organisation. These chemicals must be easily identified by specific information.

The main components for chemical identification, hazards and safety information, availability of SDS, issue date of SDS, manufacturer (vendor), location, quantity, user of the chemical or container owner, regulatory information is listed below.

Chemical Identification	Hazards and Safety Information
• Chemcial name • Trade name or product name • CAS number • Synonyms • EC number, where available • UFI number, if applicable • Manufacturer or Vendor • SDS availability, country and language	• GHS hazard classification • Hazard categories • Hazard statements & codes • Signal word • Precautionary statements • Label information

Physical and Chemical Properties	Regulatory
- Physical state (solid, liquid, gas or aerosol) - Flammability, if applicable - Explosivity, if applicable - Boiling point, flash point, if applicable - Appearance - Odour	- PFAS Listing - National inventory listing - Lists of concern - Restrictions or bans - Transport regulations - Prohibitions - National security - Exposure limits & airborne concentration
Storage and Handling	Lifecycle
- Site - Area - Building - Room - Storage type - Storage compatibility requirements - Personal Protective Equipment	- Manufacturer details - Product code or batch number - Acquired date - Expiry date - Active - Inactive - Obsolete
Manufacturer or Supplier Information	Responsibility and Tracking Containers
- Manufacturer (Vendor) Name - Address - Business Location - General Contact Information - Emergency Contact Information - Country of Operation - Website	- Container quantity - Risk assessments and controls - Emergency response and readiness - Stocktake - Reconciliation - Reporting and audit trail - Date modified - Movement of containers - Disposal requirement - Container ownership and accountability

Interpreting Chemical Information

The mobile application provides users with folder access to chemical inventory data at a glance. In summary, these are the data points viewable from the chemical inventory list.

- Folder Name (selected location node)
- Chemical or Product Name
- CAS No. (if available)
- Hazard
- Vendor
- Country
- Language
- Issue Date

Folder Inventory Chemicals List	Chemical Information

Chemical Hazard Information

Specific classification information for a chemical is presented in the chemical details window with more details.

- Chemical Name or Product Name
- Hazard Rating
- Hazard Codes (H Codes)

A chemical hazard rating provides levels to different types of chemicals classified as hazardous or non-hazardous in the chemical inventory as part of **hazard communication**. This information is shown at a glance to inform the user about the chemical summary data to be able to interpret the nature of the hazard any hazard category based on its classification, physical hazard, health hazard or environmental hazard.

There are two main international instruments applicable to chemical classification:

- **GHS** (Globally Harmonised System for the Classification of Hazardous Chemicals)
- **UNDG** (United Nations Dangerous Goods)

Regional bodies, countries and states globally localize these instruments to tailor legislation to meet health and safety and environmental standards.

The table below provides the interpretation of material (chemical) related data accessible in the mobile application's windows.

Chemical Hazard Information

sodium hydroxide 2% 

● Chemwatch 

USA / EN / 10 Jul 2024

Hazard Rating: High 

Auto Approval: Conditional 

[More Details](#) 

Current Volume  Unit

Hazard Codes
H290 H314

Part Number
Not Applicable 

[Notes](#)

Description

- Hazard Rating

Chemwatch provides hazard rating for the chemical based on GHS classification. The hazard rating summary with colour coded icons is provided below.

[Hazard Icon](#) [Hazard Rating](#)

	Very Highly (Extremely) hazardous
	Highly hazardous
	Moderately hazardous
	Low hazard
	Minimum/Non-hazardous

- Hazard Codes

A hazard code (**H-Code**) identifies the **hazard statement** based as per GHS classification. The code starts with the letter H and followed by 3 digits based on the inherent chemical properties.

Chemical Hazard Information

sodium hydroxide 2% 

● Chemwatch 

USA / EN / 10 Jul 2024

Hazard Rating: High 

Auto Approval: Conditional 

[More Details](#) 

Current Volume  Unit

Hazard Codes
H290 H314

Part Number
Not Applicable 

[Notes](#)

Description

- Volume/Weight

The volume/weight segment provides three fields to enter product container or package size. These fields are **Current**, **Maximum** and **Licensed** to enter applicable values and respective Unit Measure type.

Volume units apply to liquids and gases whilst Weight applies to solids, powders or package/load.

The system of unit category for measurement used in the system:

- Metric
- Imperial
- Imperial US

Dangerous Goods Information	Description										
More Details Regulated Phase Out: Not Applicable EPD: View HPD: View Dangerous Goods: More sodium hydroxide 2% UN number: 1824 Class: 8 Subrisks: Not Applicable PKG: III Close	Dangerous Goods Classification (DG Classes) Chemwatch provides the dangerous goods classification for the substance where applicable. The hazard rating summary with colour coded icons is provided below. <table> <tr> <th>Data Point</th><th>Description</th></tr> <tr> <td>UN Number</td><td>Substance classified as a dangerous good and is assigned to a DG Class.</td></tr> <tr> <td>Class</td><td>Dangerous Goods Class range from DGC1 to DGC 9.</td></tr> <tr> <td>PKG</td><td>Packing Group determines the level of danger. There are levels, PKG I, II and III.</td></tr> <tr> <td>Subrisk</td><td>A secondary hazard that a dangerous good presents in addition to the primary hazard class.</td></tr> </table>	Data Point	Description	UN Number	Substance classified as a dangerous good and is assigned to a DG Class.	Class	Dangerous Goods Class range from DGC1 to DGC 9.	PKG	Packing Group determines the level of danger. There are levels, PKG I, II and III.	Subrisk	A secondary hazard that a dangerous good presents in addition to the primary hazard class.
Data Point	Description										
UN Number	Substance classified as a dangerous good and is assigned to a DG Class.										
Class	Dangerous Goods Class range from DGC1 to DGC 9.										
PKG	Packing Group determines the level of danger. There are levels, PKG I, II and III.										
Subrisk	A secondary hazard that a dangerous good presents in addition to the primary hazard class.										

Chemwatch extends chemical information interpretation through regulatory burden and product declarations and tags.

More Chemical Hazard Related Information	Description										
More Details CAS No: Not Applicable Extraction Date: 19.07.2024 Reg.Burden: Moderately Regulated Phase Out: Not Applicable EPD: View HPD: View	Regulatory Burden Calculation measure of regulation surrounding a substance in the regulatory list to indicate the level of regulation based on the product's ingredients frequency of appearance in regulatory lists. <table> <tr> <th>Regulatory Burden Icon</th><th>Regulatory Burden Rating</th></tr> <tr> <td></td><td>Extremely regulated</td></tr> <tr> <td></td><td>Highly regulated</td></tr> <tr> <td></td><td>Moderately regulated</td></tr> <tr> <td></td><td>Lightly regulated</td></tr> </table>	Regulatory Burden Icon	Regulatory Burden Rating		Extremely regulated		Highly regulated		Moderately regulated		Lightly regulated
Regulatory Burden Icon	Regulatory Burden Rating										
	Extremely regulated										
	Highly regulated										
	Moderately regulated										
	Lightly regulated										

Tags	Description
	Tags A Tag is a user defined parameter and an optional feature that enables users to label a chemical as an attribute to chemical information. It is generally used as a piece of information as an alert mechanism or a means of communicating hazard information or other within the workplace. Tags are created in the web application as manual or automatic tags. Users can only set already existing tags in the mobile application. Query Builder (Chemwatch Web Application) Automatic tags are associated with queries created in Query Builder mode. Any materials that meet the query conditions will be easily identified in the tag field. Product Tags can also be associated with Red Flags and when applied, the Red Flags will display alongside the product/chemical name as a communication alert tool in the mobile application.

4.7 Add Volume/Weight of a Chemical

Understanding the volume or weight of hazardous chemicals is a critical adherence to safety protocols. The volume or weight can be set using the volume/weight categories:

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.

Regulations specify the maximum allowable quantities of hazardous chemicals for storage and transportation. Liquids and gases are often measured in volume such as liters or gallons. The units of measurement are standardized to express the magnitude or quantity of the materials in a folder based on volume/weight. The steps below show how to add volume/weight of a chemical in a folder.

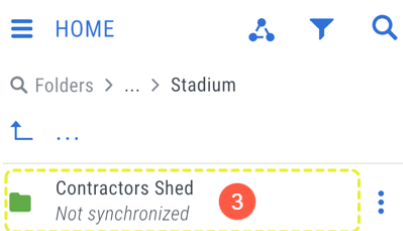
Steps to Add Volume/Weight of a Chemical in a Folder

1. Open the **Chemwatch Mobile app**  from your device home screen to login.

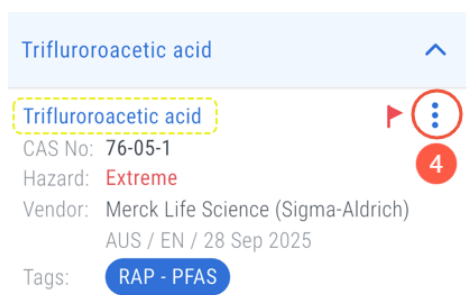
2. Tap the **Home Module** button  in the menu slider panel on the left-hand side.



3. Click on a **Folder**  to open a chemical list or expand parent folder to the appropriate node for a storage folder where materials are enabled to be stored.

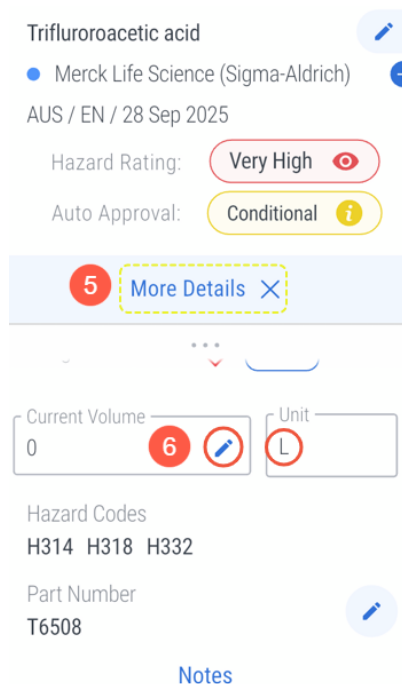


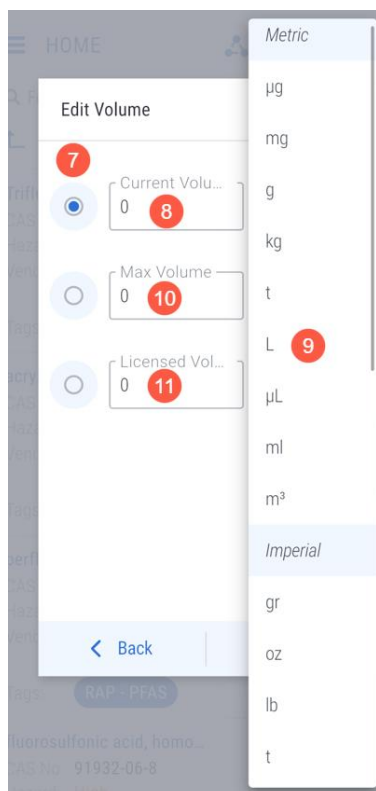
4. Select the **stacked dots**  on the alongside the chemical name to open the material edit window.



5. Click the **More Details** button, drill down to more fields until you have the Current Volume and Unit fields in view.

6. Click on the Current Volume **Edit**  icon to type the **values** and assign **Unit measure**.
7. Select the **Current/Max/Licensed Volume/Weight** radio  button.
8. Enter the specific **Amount (Value)** in the Current Volume text field.
9. Set the **Unit** measure.
10. Enter the specific **Amount (Value)** for Maximum Volume text field.
11. Set the **Unit** measure.
12. Enter the specific **Amount (Value)** in the Licensed Volume text field and the **Unit** measure.
13. Click the **Save** button at the bottom right corner of the edit window.
14. Click the **Back**  button to go back to the chemicals list.





Unit	Symbol
Nanogram	µg
Milligram	mg
Gram	g
Kilogram	kg
Ton	t
Litre	L
Nanoliter	µL
Microliter	mL
Cubic metre	m ³

Unit	Symbol
Grain	gr
Ounce	oz
Pound	lb
Ton	t
Quarter	quarter
Fluid ounce	fl oz
Gallon	gal
Gill	gi
Pint	pt
Quart	qt
Cubic foot	ft ³

4.8 Create a Preferred Name for a Chemical

A **Preferred Name** is any name that can be created in the system and assigned to material for ease of searching the respective SDS, especially if the chemical or product name is longer than usual. In this context, it simplifies finding the exact match.

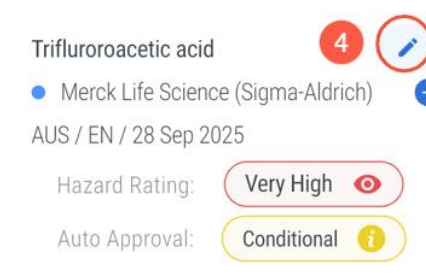
The steps below provide guidance on how to create preferred names for a chemical or product.

Steps to Create a Preferred Name for a Chemical or Product

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Home Module** button in the menu slider panel on the left-hand side.
2. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where materials are enabled to be stored.

4. Click the **Preferred Name Edit** button, located at the top right corner of the edit window alongside the chemical or product name.





3. Select the **stacked dots**  on the alongside the chemical name to open the material edit window.

Trifluoroacetic acid 

Trifluoroacetic acid  

CAS No: 76-05-1

Hazard: **Extreme**

Vendor: Merck Life Science (Sigma-Aldrich)

AUS / EN / 28 Sep 2025

Tags: **RAP - PFAS**

Preferred Name

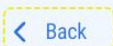
Add Preferred Name  

Material name

 Trifluoroacetic acid 

User's preferred name

List is empty

- Enter the **Preferred Name** in the text preferred name field.
- Click the **Add+**  button to save the record entry.
- Select the **User Preferred Name** radio 
- Click on the **Back**  button at the bottom of the edit window and click on an empty area of the screen to retrieve the chemical inventory list.

User's Preferred Name Display

Any added preferred name will be listed in the preferred name window as a “**User's Preferred Name**” and will also be shown in the chemical inventory listing.

Preferred Name

Add Preferred Name 

Material name

 benzene

User's preferred name

 ttataria   



4.9 Edit Part Number of a Chemical

A **Part Number** is any number that can be created in the system and assigned to material for ease of searching the respective SDS, especially if the chemical or product is to be identifiable by another type of product ID/Code, stock or batch number. In this context, it simplifies finding the exact match for the product. There are two types of part numbers:

- Vendor Part Number
- User Part Number/Global

A **Vendor Part Number** is the type of number that is assigned by the Vendor (Manufacturer) to the product. This number cannot be changed by a user as it is a reference identity number for the product issued by the manufacturer of the product.

A **User Part Number** is the type of number created by the user of the product (custom number) for internal purposes only. This type of part number can be linked to a Chemwatch Gold SDS material or a Vendor SDS as a User Vendor identity number.

The steps below provide guidance on how to create a user part number for a material.

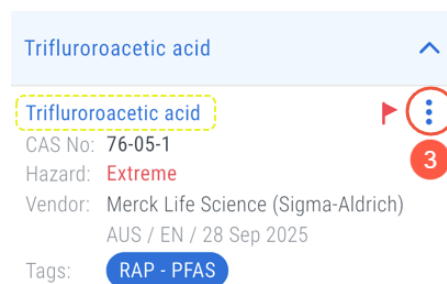
Steps to Create a User Part Number for a Chemical or Product

Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.



2. Click on a **Folder**  to open a chemical list or expand parent folder to the appropriate node for a storage folder where materials are enabled to be stored.
3. Select the **stacked dots**  on the alongside the chemical name to open the material edit window.



4. Click the **More Details** button located at the bottom of the chemical details edit window.
5. Scroll down the window and click on the **Part Number Edit icon**.
6. **Enter the User Part Number** in the add part number text field.
7. Click the **Add+**  button to save the record entry.
8. Select the **User's Part Number** radio ☐ button to assign the newly created user's part number for the material.
9. Click on the **Back**  **Back** button at the bottom of the edit window and click on an empty area of the screen to retrieve the chemical inventory list.

User's Part Number Display

Any added part number will be listed in the chemical details window as **“User’s Part Number”** or **Vendor Part Number**.

A **Vendor** is the manufacturer of a chemical product in the marketplace. The manufacturer produces chemical products and authors their Safety Data Sheets (SDS) as per compliance requirements to provide the corresponding up-to-date product SDS to customers. The mobile app enables users to **Add Vendors** for products in their own inventory and choose the document name (SDS) for the vendor and specify the country and language. This feature is essential if there is more than one vendor for the same product and country and language specific. The steps below provide guidance on how to add a vendor for a material.

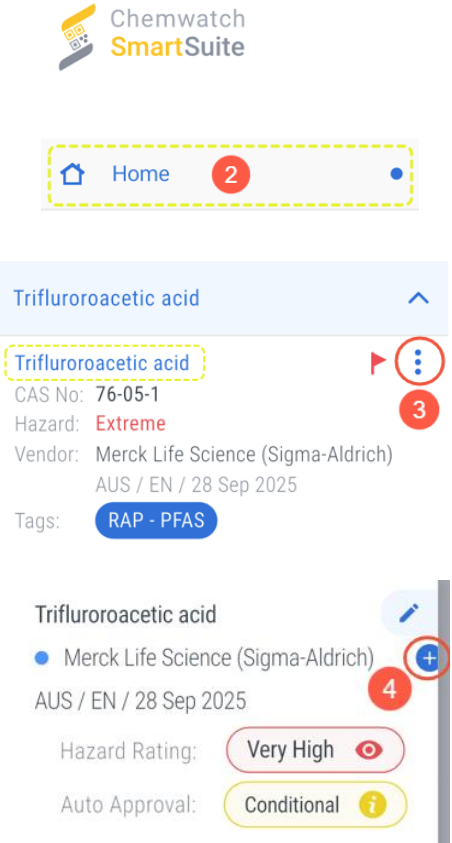
Open the Chemwatch Mobile app from your device home screen to login.

1. Tap the **Home Module** button  in the menu slider panel on the left-hand side.
2. Click on a **Folder**  to open a chemical list or expand parent folder to the appropriate node for a storage folder where materials are enabled to be stored.
3. Select the **stacked dots**  on the alongside the chemical name to open the material edit window.

5. Click on the **Country** dropdown arrow ▼ to select the specific country.
6. Click the **Language** field to select the applicable language.
7. Click the **Vendor** dropdown arrow ▼ to choose the vendor's name.
8. Click the **Document Name** dropdown arrow ▼ to select the name of the product SDS.
9. Press the **Submit** button at the bottom right corner of the add vendor window to save the record entry.

4. Click the **Add+**  icon located next to the Vendor Name to open the Add Vendor window.

10. Click on the **Back**  button at the bottom of the edit window and click on an empty area of the screen to retrieve the chemical details.



Chemwatch SmartSuite

Home 2

Trifluoroacetic acid ^

Trifluoroacetic acid ⋮ 3

CAS No: 76-05-1

Hazard: **Extreme**

Vendor: Merck Life Science (Sigma-Aldrich)

AUS / EN / 28 Sep 2025

Tags: RAP - PFAS

Trifluoroacetic acid

• Merck Life Science (Sigma-Aldrich) ✎ 4

AUS / EN / 28 Sep 2025

Hazard Rating: Very High 🔴

Auto Approval: Conditional ⓘ

Add Vendor

Country 5 ▼

Language 6 ▼

Vendor 7 ▼

Document Name 8 ▼

Cancel
9 Submit

Multiple Material Names Display in Inventory List

Newly added Vendor and SDS will be displayed in the chemical list. In this business case, the records will show more than one record of the same material by different vendors.

4.11 Add an Attachment to a Chemical in the Inventory

The mobile app provides users with an **Attachments**  feature. This feature allows users to **Add/Upload files** to a chemical or product record as a supporting document or reference file for further information relevant to the chemical or product.

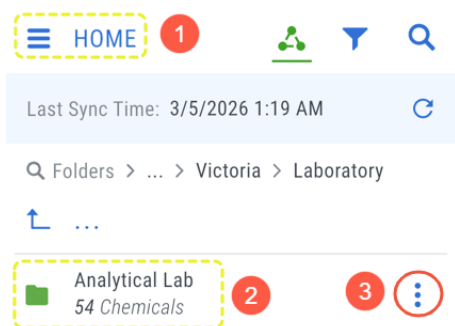
Adding attachment documents may depend on the context of the chemical use, storage, risk assessment, hazard, level of danger, disposal, incompatibility, photos, compliance documents, standard operating procedures, technical data sheets, etc.

The following steps illustrate how to add an attachment file to a chemical or product.

Steps to Add and Attachment File to a Chemical or Product

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Home Module** button in the menu slider panel on the left-hand side.
2. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where materials are enabled to be stored.
3. Select the **stacked dots** on the alongside the chemical name to open the material edit window.

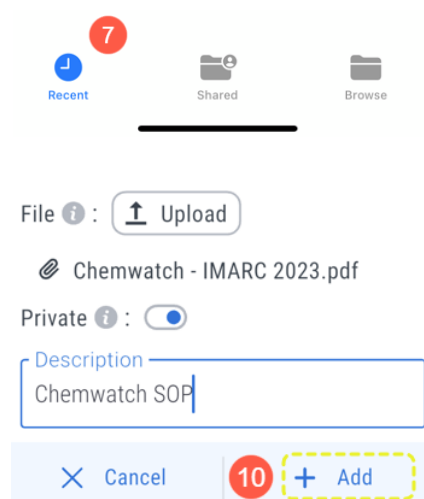
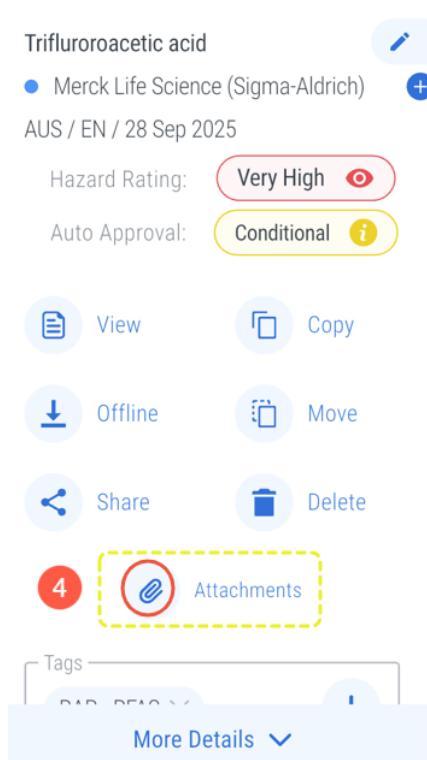


4. Click the **Attachments** icon located at the bottom of the window
5. Select the **Add+** button **Add** to open the upload window.
6. Click the **Upload File** button to select the applicable file.

Note that the app supports a wide range of file formats; .pdf, .html, .doc, .xls, .ppt, .rtf, .mp4, .txt, etc.

7. Select the **File** to upload from your mobile device repository.
8. Click the **Private** toggle button to set the privacy of the file to the current user only, if applicable.
9. Enter a **Description** of the upload file in the description text field.
10. Click the **Add+** button **Add** to save the record entry and file upload.
11. Click on the **Close** button to close the attachment window.

The Private Information icon displays a note "Visible to the current user only".



No items

5

Close Download Add

File ⓘ : Upload 6

Private ⓘ : 8

Description 9

Cancel Add

Attachments for Caterpillar Diesel Fu...

Chemwatch - IMARC ...

Description: Chemwatch SOP

Date: 04/02/2026 05:04:09

11

Close Download Add

Any uploaded file to a material can be Edited , Deleted  or Downloaded  in the attachments window.

The  icon in the attachments confirms successful file upload for the material.

Attachments for Caterpillar Diesel Fu...

 Chemwatch - IMARC ...

Description: Chemwatch SOP

Date: 04/02/2026 05:04:09

Close Download Add

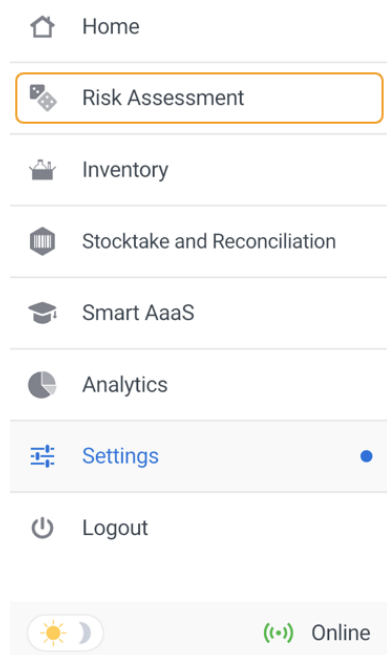
5.0 Risk Assessment Module

This chapter covers the following Risk Assessment mode navigation elements and configuration settings.

- [Navigating the risk assessment features](#)
- [Risk assessment filters](#)
- [Configuration settings](#)
- [Chemical risk assessment attributes](#)
- [Performing risk assessments](#)
- [Risk assessment documents](#)
- [Risk assessment approval and jobs](#)
- [Offline \(Download\)](#)



The mobile app main screen provides access to the Risk Assessment Module  perform risk assessments for chemicals used or stored in the workplace.



The **Menu** Slider (swipe mode) on the left-hand side displays the modules available

- Home module
- **Risk Assessment module**
- eLearning
- Inventory mode
- Stocktake and Reconciliation mode
- Analytics
- Settings
- Logout
- User interface colour theme
- Online/Offline mode

The Risk Assessment is designed to assist users to generate risk assessment reports and base those reports on the actual risk assessment conditions where the chemicals are used and stored in the workplace. Chemical risk assessments are essential for workplaces that handle hazardous chemicals to ensure that workers are not exposed to hazardous chemicals (ILO Health) and dangerous goods (UN Storage). This module captures chemical hazards identification, conditions for use or storage, temperature, and the type of **Task** where the chemical is used.

The **Control Banding** methodology is used to calculate the **Risk Band** (chemical risk rating). The calculation is based on the hazard classification rating, which follows the predefined Control Banding hazard groupings developed by the International Labour Organization, together with a 5×5 risk matrix and the assessment parameters that describe the conditions under which the chemical is used or stored.

Chemical identification directly from the SDS, which provides hazardous chemical classification based on GHS and dangerous goods classification. Hazard identification and grouping methodology (Control Banding) is used to assign a band through Groups A-E and S to the chemical. Group A (hazard statements) to E (hazard statements) determine the severity associated with the potential inhalation of the product, whereas Group S (hazard statements) determines the severity of the hazard associated with skin and/or eye contact.

The **Risk Matrix** below defines the likelihood, frequency of exposure and the consequence severity of the hazard.

ILO Risk Band Matrix

GHS Hazard Rating Risk of Exposure		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

By default, the system applies preset assessment parameters that reflect typical use or storage conditions. These default settings are used to determine the risk calculation in automatic risk assessments. However, when conducting a manual risk assessment, users can modify the default parameters to more accurately reflect the actual conditions of chemical use or storage, ensuring the risk rating aligns with the specific workplace situation.

Conditions for Use or Storage

- Physical state (liquid, solid, gas)
- Task
- Temperature
- Quantity
- Scale of use
- Frequency of use
- Controls

20 °C

Solid

Liquid

Gas

Air

Water

Land

Volatility / Dustine...

Powder

Scale Of Use

g

Frequency of use

weekly

Duration Of Use

1-4hrs

Risk Assessment Documents

This app module also provides access to various types of documentation and reports integrated within the system's document view of the risk assessment mode.

- Risk Assessment Report
- Material SDS
- Mini SDS
- Control Sheets
- Job Report
- Chemwatch SDS
- Chemwatch Mini

< Document View

Main Documents

- ☐ SDS
 ☐ MINI
 ☒ RA
 ☐ Sheets

Alternative Documents

- ☐ Chemwatch SDS
 ☐ Chemwatch MINI

Hazard Rating

- H-Codes
- Hazard Statement

Dangerous Goods Classification

- Primary Class
- Subrisk
- Packing Group
- Shipping Name

Hazard Rating

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H371 May cause damage to organs.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Dangerous Goods

< Back

Each chemical risk assessment carries with it a risk assessment status. There are five risk assessment statuses (colour coded), which reflects the stages of risk assessment process.

Risk Assessment Status

- Assessment Required
- Assessment Incomplete
- Assessment Complete
- Review Assessment
- Assessment Not Required

The table below provides the risk assessment status descriptions.

Risk Assessment Status	Status Icon	Icon Color	Description
Assessment Required		Grey	This status is assigned to any material in a folder that is required to be risk assessed.
Assessment Complete		Green	This status is assigned to any material in a folder that has been risk assessed. Saving the risk assessment renders it as complete.
Review Required		Red	All risk assessments are subject to review. Generally, the default review period is set to a maximum of 5 years and when this time elapses, the status of the risk assessment will be automatically set for review. This status can also be triggered by any regulatory changes to the hazard classification of the chemical and may be subject to review.
Assessment Incomplete		Yellow	When an assessment has not been completed for any reason or the process was not finalised, and the assessment was not saved, the risk assessment status will be rendered 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		Blue	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 . Non-hazardous chemicals pose no risk!

Once a **chemical risk assessment** has been completed, a **risk band (rating)** is generated. This risk band determines the **appropriate control measures** required to minimise risks and provides access to the relevant **control guidance sheets**.

The risk rating is calculated based on the information entered during the assessment, including the **probability of exposure** and the **severity of potential harm**. The system then assigns a **colour-coded risk level**, which helps users quickly understand the outcome of the assessment and the level of chemical risk involved.

There are **five risk bands**, with each level concurrent to a specific **colour code** and corresponding **control measures** designed to manage the identified risk effectively. The table below provides the risk rating and controls determined by the level of risk.

Risk Rating and Controls

Level of Risk	Icon	Risk Conclusion	Icon Color	Control Approach
4+		Extreme	Crimson	Seek Specialist Advice
4		Very High	Red	Containment
3		High	Orange	Local Exhaust/Fume Hood
2		Moderate	Yellow	General Ventilation
1		Low	Blue	None Required
0		None	Grey	Not Applicable

Sections of the Risk Assessment Report

The mobile app risk assessment module produces a risk assessment report that includes the following information about the risk assessed chemical and assessment details.

Risk Assessment Report Sections

- Identified chemical hazards
- Ingredient(s), CAS No., composition (%)
- Physical state of the chemical
- Hazard rating
- Risk assessment task
- Risk rating
- Controls adopted
- Personal Protective Equipment and Emergency
- Precautionary information
- Applied parameters
- Sign-off fields (if applied as Approval)

Document View

RA

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

Location: Fuel Shed Risk assessment for: No Task Defined / Job name:

HEALTH RISK ASSESSMENT REPORT

zinc chloride solid

HEALTH HAZARD 3 High **THE RISK 1 Low** **Controls Adopted** Control: Local Exhaust / Fume Hood / Physical Barrier **Respiratory Protection Factor: 4**

INGREDIENTS

INGREDIENTS	CAS NO.	%	BNF DEL.
zinc chloride	7662-65-7	100	1 mg/m3 2 mg/m3

Warning - Dangerous in contact with skin and/or eyes

Chemwatch Hazard Ratings

	1	2	3	4	5
Flammability	0	1	2	3	4
Toxicity	0	1	2	3	4
Reactivity	0	1	2	3	4
Chronic	0	1	2	3	4

Hazard statement(s):

- Harmful if swallowed or if inhaled.
- Causes severe skin burns and eye damage.
- May cause damage to organs.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.

Persons Potentially At Risk are:

- Persons suffering from acute or chronic illness
- Those with respiratory complaints (such as asthma), skin conditions (such as dermatitis) and eye conditions
- Young Persons

PERSONAL PROTECTIVE EQUIPMENT

Respirator is always a full resort!

Respirator: Always a full resort!

HEALTH HAZARDS

Health: Harmful, Irritant, Corrosive, Very toxic, Extremely toxic

FIRST AID

Precautionary statement(s): Prevention

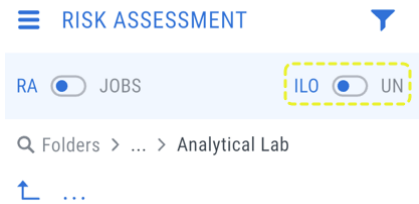
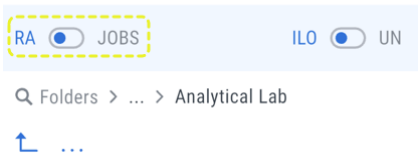
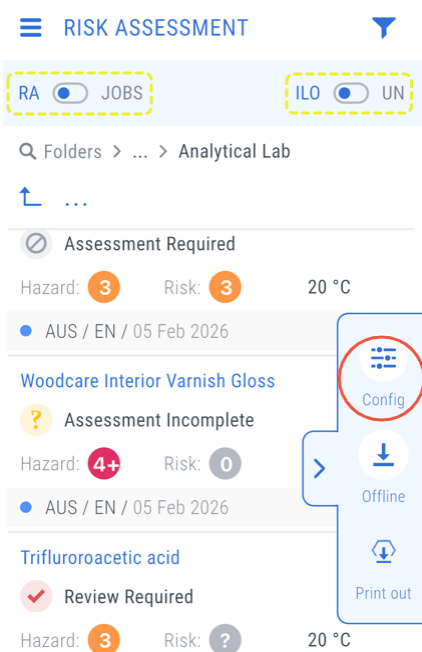
- Do not breathe dust/fume.
- Wash all exposed external body areas thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s): Response

- IF SWALLOWED: Call a POISON CENTER/doctor/physician first aid if you feel unwell.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If more than 15 mins from Doctor, INDUCE VOMITING (if unconscious).
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).

5.1 Risk Assessment Main Screen and Features

There are core risk assessment module features simplified for onsite risk assessments of chemicals, data sync, Offline capabilities, task based, control measures, reviews and approval flow, information sharing and reporting.

ILO/UN Toggle Turn on the switch to enable the system to perform risk assessments based on the Use (ILO-Health) of the chemical or Storage (UN) of the dangerous good .	User Interface 
RA/JobToggle Turn on the switch to enable the system to activate Risk Assessment mode or Jobs mode .	User Interface 
Slider Panel Configure Usage by setting risk assessment parameters or use Chemwatch default settings. - Chemwatch Default settings - Laboratory - Laboratory Administrator - Industrial - High Hazard - High Hazard Detached - Assembly - Educational - Business - Residential - Mercantile - Storage - User Defined Use the Switch  button to turn on Domestic/Personal Use.	User Interface Options 

Offline (Download)

Provides options for the type of documents to download for offline access. Use the toggle to switch option(s).

- RA
- Download for All folders
- Keep or update already available documents offline

Offline access

What type of documents would you like to access offline?



Would you like to download documents for all folders?



What would you like to do with documents already available offline?

**Print Out**

The Print Out feature is available in the risk assessment module slider panel to enable users to generate print out list of risk assessment materials or documents.

- List
- Documents

Documents can be generated for selected or all materials in the current folder.

zinc chloride

Assessment Complete

Hazard: 3 Risk: 2 20 °C

AUS / EN / 06 Feb 2026

Chlorine

Assessment Complete

Hazard: 4 Risk: 3 20 °C

CAN / EN / 06 Feb 2026

acetone

Review Required

Hazard: 2 Risk: 0 20 °C

AUS / EN / 06 Feb 2026

Config

Offline

Print out

Risk Assessment Module Filters**Sort**

Use the Toggle icon to turn on the **Sort** by report name.

Select the “**No Sorting**” (default) option on the dropdown to go back to the main filter window.

User Interface Options

Filters

Risk Assessment Filter Categories

- Name
- Hazard
- Status
- Risk Band

Filters

Name

Hazard

Status

Risk band

Filter by Name in RA Module

Search for Material Name to filter list.

- Use the toggle to switch on “Contains” or “Equals”

Filters

Name

Search...

Contains Equals

Filter by Hazard in RA Module

Use the toggle icon to turn on the **filter type of hazard**.

- Non-GHS
- No Data
- None
- Minimum
- Low
- Moderate
- High
- Extreme

Hazard

Non-GHS

No Data

None

Back | Remove | Apply

Filter by Risk Assessment Status

Use the toggle icon to turn on the **status**.

- Assessment Complete
- Assessment Required
- Assessment Incomplete
- Assessment Not Required

Status

Assessment Complete

Review Required

Assessment Incomplete

Assessment Not Required

Filter by Risk Band

Use the toggle icon to turn on the **filter the Risk Band** (Risk Rating).

- No Data
- None
- Minimum
- Low
- Moderate
- High
- Extreme

Risk band


☐ ? No Data

☐ 0 None

☐ 1 Minimum

☐ 2 Low

☐ 3 Moderate

☐ 4 High

☐ 4+ Extreme

< Back

Remove

Apply

Risk Assessment Parameters

Tasks

Tasks Chemicals are generally used in a **Task** in the workplace. Chemwatch provides the ILO based task categories that list the specific task options to choose from.

Domestic/Personal Use

Use the toggle icon to turn on the **Domestic/Personal Use Task**.

ILO Tasks Categories

- Workplace
- Weighing
- Mixing
- Transferring
- Pesticide Management
- Dust Extraction
- Sieving

Attribute

Tasks

☒ Domestic / personal use

Workplace



Weighing



Mixing



Transferring



Pesticide Management



Dust extraction



Sieving



< Back

Remove

Apply

ILO Tasks Categories (Expanded List)	Attribute
Workplace Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Workplace Task.	• Work conducted in glove box • Work conducted in Ventilated Booth • Work conducted on Workbench or in Cupboard
Mixing Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Mixing Task.	• Mixing
Transferring Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Transferring Task. • Bottle filling • Charging reactors/mixers from a sack and keg • Conveyor transfer • Drum emptying (drum pump) • Drum filling	• Filling Kegs • IBC filling and emptying • Infrequent charging reactors/mixers from a sack and Keg • Packet filling • Sack emptying • Sack filling • Tanker filling and emptying • Transferring liquid by pump • Transferring solids
Pesticide Manage Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Pesticide Manage Task.	• Application spraying and dusting • Concentrate dilution • Disposing of used containers • Use of poison baits
Dust Extraction Task. The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Dust Extraction Task.	• Removing waste from air cleaning unit • Removing waste from dust extraction unit
Sieving Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Sieving Task.	• Sieving
Screening Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Screening Task.	• Screening

Surface Coating Task. Surface Coating Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Surface Coating Task.	• Automated powder coating • Powder coating • Robot spray booth • Spray painting
Lamination Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Lamination Task.	• Batch lamination • Continuous lamination
Dipping Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Dipping Task.	• Pickling bath • Vapor degreasing bath
Drying Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Drying Task.	• Continuous drying labyrinth oven • Spray drying • Tray drying oven
Pelletizing Task The Task Category dropdown arrow ▼ provides a toggle icon  to turn on the specific Pelletizing Task.	• Pelletizing • Tablet press
High Vapour/Dust generating processes Task The Task Category dropdown arrow ▼ provides a radio  button to select the specific High Vapour/Dust generating processes Task.	• Brush/Roller (Solvent based) • Fumigation • Mechanical grinding • Pesticide application spraying and dusting • Powder coating • Spraying solvent based emulsions/solutions • Spraying water-based emulsions/solutions • Welding
User Defined Task Click the Task Category dropdown arrow ▼ to use the specific User Defined Task. A user defined task is a user custom created task that is not listed in the ILO toolkit of task categories.	• User free text task name

Temperature	User Interface Component
Operating temperature is set by default to a standard 20°C in the gauge-bar as well as in the temperature textbox. - Drag the bar node to set it to required temperature or - Use the temperature textbox field to enter the applicable temperature degrees centigrade (°C)	
Physical State	User Interface Component
The form of the chemical (solid, liquid or gas) affects the use or storage, determines risk factors and influences likelihood of exposure, severity of health effects, selection of control measures and residual risk. - Solid (S) - Liquid (L) - Gas (G)	<u>Solid</u> Liquid Gas The physical state of the chemical defaults as a solid, liquid or gas based on the material SDS physical property data.
Volatility/Dustiness	User Interface Component
Volatility is the ability of a chemical (Liquid/Gas) to evaporate and form vapours at normal/standard temperature as: - Low volatility - Medium volatility - High volatility Dustiness of the ability of a chemical (Solid/Powder) to become airborne determined by the physical state. - Solid - Crystal - Powder - Nanos Use the dropdown arrow ▼ to select the appropriate volatility/dustiness of the chemical. Note volatility can be locked by the boiling point of the chemical by default.	

Scale of Use	User Interface Component
The scale of use is the extent or magnitude of quantity of the chemical, determining the amount used or stored at the workplace specific to the storage folder/location. The unit of measure is dependent on the physical property of the chemical; solid, liquid or gas. Use the dropdown arrow ▼ to select the applicable unit or measure. Solids Unit of Measure • Milligram (mg) • Gram (g) • Kilogram (kg) • Tonne (t) Liquids/Gases Unit of Measure • Microlitre (µl) • Millilitre (ml) • Litre (L) • Cubic metre (m³)	
Frequency of Use	User Interface Component
The frequency of use determines frequency at which chemical is used. Select the applicable frequency from the dropdown options. • Daily • Weekly • Monthly • Unknown	

Duration of Use

The duration of use determines duration at which chemical is used. Select the applicable duration from the dropdown options.

- <30mins
- 30-60mins
- 1-4hrs
- >4hrs
- Unknown

User Interface Component

The image shows a user interface for chemical safety data entry. It includes four dropdown menus: 'Volatility / Dustiness' (set to Powder), 'Scale Of Use' (set to g), 'Frequency of use' (set to weekly), and 'Duration Of Use' (set to 1-4hrs). The 'Duration Of Use' dropdown is highlighted with a dashed yellow box.

Risk Assessment Controls & Checklist

In the **Risk Band** window, the control checklist is presented for selection of controls:

- **All** ☒ **Control** statements to help minimize risk or
- Use the toggle ☐ to turn on specific control statement(s).

Note that any control statement that is switched on will be reflected in the risk assessment report.

The image shows a 'Risk band' window with a list of controls. The 'Checklist' toggle is highlighted with a dashed yellow box. The controls listed are: 'Seek Specialist Advice' (4+), 'Containment' (4), 'Local Exhaust / Fume Hood' (3), 'General Verification' (2), 'None Required' (1), and 'Training Required'. The 'Checklist' toggle is at the bottom.

User Interface Component

The image shows a 'Risk band' window with a list of controls. The 'Checklist' toggle is highlighted with a dashed yellow box. The controls listed are: '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, 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', and 'Make sure the LEV is switched on and is working'. The 'Checklist' toggle is at the bottom.

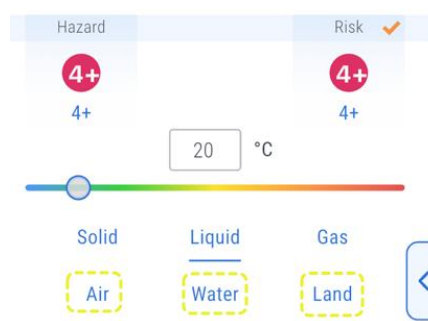
Discharge

The discharge of a chemical can be through:

- Air
- Water
- Land

Depending on the discharge method, the system will automatically generate the relevant control approach sheets and guidance documents for reference.

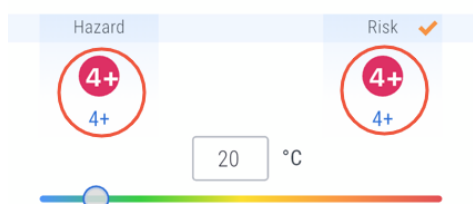
User Interface Component



5.1.1 Perform a Health (ILO) Risk Assessment for a Chemical

Hazard Rating Available

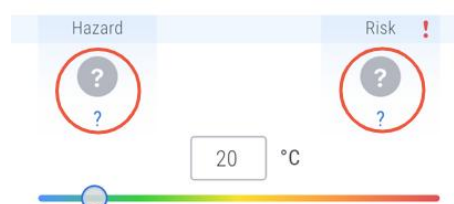
A chemical with hazard rating depicts a chemical with hazard classification data, can directly be risk assessed.



- Data extraction available
- Risk Band calculation

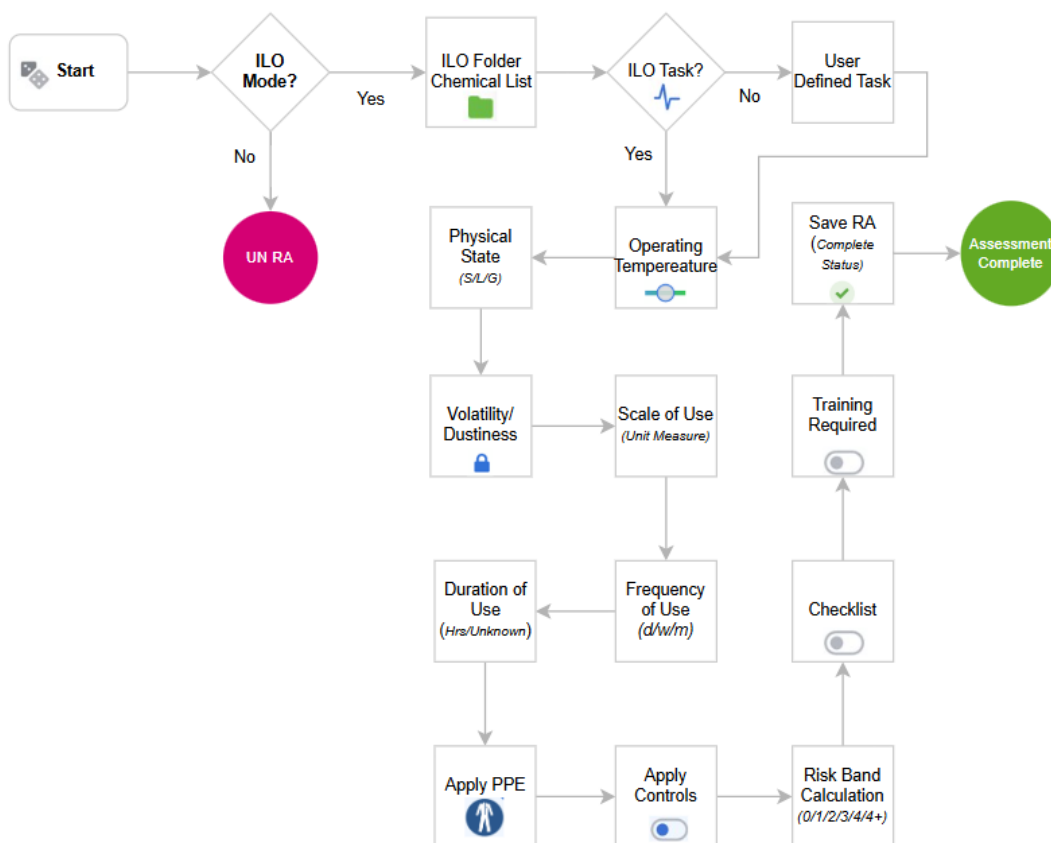
Hazard/Risk Rating (Question Mark)

A chemical with a hazard rating (question mark) requires data extraction prior to risk assessing the chemical.



- No data extraction
- Risk Band displays a question mark = No risk calculation available, recommend carrying out data extraction

The risk assessment process flow diagram illustrated below simplifies the steps on how to complete a **Health (ILO) risk assessment** for chemical **use**.



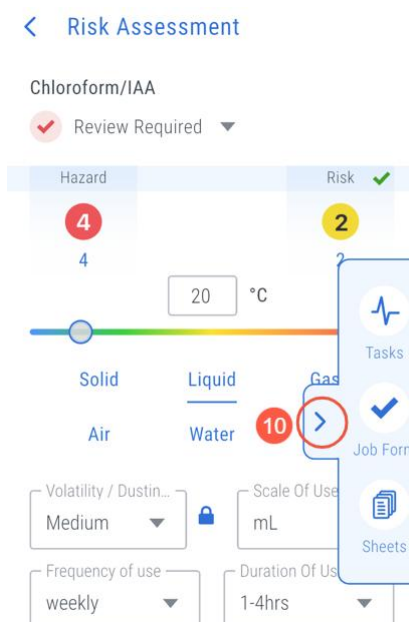
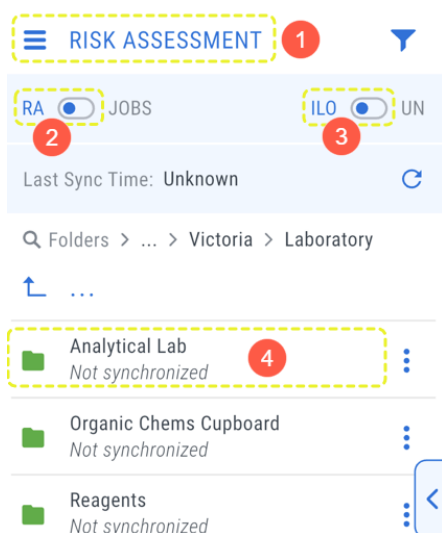
Follow the detailed steps below to complete a risk assessment for a chemical.

Steps to Complete a Risk Assessment for a Chemical

Open the Chemwatch Mobile app from your device home screen to login.

1. Click the **Risk Assessment Module** button in the menu slider panel on the left-hand side.
2. Use the toggle to turn on **RA mode**.
3. Use the toggle to turn on **ILO mode**.
4. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where chemical inventory is located.
5. Click the **Chemical Name** to open the risk assessment window.
6. Open on the RA **Slider** panel (swipe left).
7. Click on the Task button.
18. Use the toggle to turn on the **Applied Level of Control**.
19. Select the **Training Required** switch if applicable.
20. Turn on the **Checklist** toggle to select control statement(s) and close the Checklist bar once done.
21. Click the **Personal Protective Equipment (PPE)** dropdown arrow and scroll down to confirm Chemwatch recommended PPE or select the applicable User preferred PPE(s) and close the PPE bar.
22. Click on the **Risk Band Back arrow** to go back to the chemical risk assessment window.

8. Click on the **Task** category dropdown arrow to select a specific risk assessment task.
9. Click the **Apply** button at the bottom of the task window.
10. **Close slider** panel (swipe right) .
11. Set the **Operating Temperature** by typing the degrees value (**°C**) in the textbox or use the bar to set it.
Note that the default standard operating temperature is set to 20°C.
12. Confirm the **Physical Property** of the chemical as per default SDS data as a Solid, Liquid or Gas.
13. Set the **Discharge** by clicking on the appropriate option as Air, Water or Land.
14. Select the **Scale of Use** dropdown arrow to set the unit of measure.
15. Select the **Frequency of Use** dropdown arrow .
16. Select the **Duration of Use** from the dropdown arrow .
17. Click on the **Risk Band** (Risk Rating) to open the ratings and applied controls.
23. Click on the **Risk Assessment Status** to open the status dropdown options.
24. Select the **Assessment Complete** status .
25. Click on the **RA report** button at the bottom left corner if the window.
26. Select the **Yes** option from the message display to confirm saving the changes.
27. The **Document View** mode renders the completed **Risk Assessment Report**.
28. Click the **RA Document View Back** button to go back to the completed chemical risk assessment window.
29. Click the **Risk Assessment Back** button to go back to the risk assessment chemical folder inventory list.



RISK ASSESSMENT

RA ☒ JOBS ILO ☒ UN

Last Sync Time: 3/13/2026 5:46 PM

Q Folders > ... > Analytical Lab

Chloroform/IAA **5**

Review Required

Hazard: **4** Risk: **2** 20 °C

AUS / EN / 13 Mar 2026

trifluoroacetic acid

20 °C

Solid Liquid Gas

Air Water Land **6**

Volatility / Dustine... High

Scale Of Use g

Frequency of use weekly

Duration Of Use 1-4hrs

< Risk Assessment

Chloroform/IAA

Review Required

Hazard **4** Risk **2**

20 °C

Solid Liquid Gas

Air Water

Volatility / Dustine... Medium

Scale Of Use mL

Frequency of use weekly

Duration Of Use 1-4hrs

Tasks

Job Form

Sheets

Chlorine

Assessment Incomplete

Hazard **4** Risk **3** **17**

20 °C

Solid **12** Liquid **11** Gas

Air **13** Water **14** Land

Volatility / Dustine... High

Scale Of Use L **14**

Frequency of use weekly **15**

Duration Of Use 1-4hrs **16**

< Risk band

22

Applied Controls

☐ **4+** Seek Specialist Advice

☒ **4** Containment **18**

☐ **3** Local Exhaust / Fume Hood

☐ **2** General Verification

☐ **1** None Required

☒ Training Required **19**

☒ Checklist **20**

Personal Protective Equipment **21**

☒ Select recommended PPE

Chemwatch Recommendation Initial

< Risk Assessment

Chlorine

Assessment Incomplete 23

Hazard

4

4

20 °C

Risk

3

3

Solid

Liquid

Gas

Air

Water

Land

< Risk Assessment

Chlorine

Assessment Incomplete

Assessment Required

Assessment Complete 24

Review Required

Assessment Incomplete

Assessment Not Required

Volatility / Dustine...

High

Scale Of Use

mL

Frequency of use

weekly

Duration Of Use

1-4hrs

RA

25

MINI

SDS

Do you want to save changes?

No

26

Yes

< Document View 28

RA

Chemwatch

HEALTH RISK ASSESSMENT REPORT

Location: Analytical Lab Risk assessment for: No Test Default / Job name

Trifluoroacetic acid

INGREDIENTS

INGREDIENTS	CAS NO	%	MM DEL	15 MM DEL
Trifluoroacetic acid	76-05-1	100		

Warning: **Disregard in contact with skin and/or eyes**

Chemwatch Hazard Ratings

Hazard	1	2	3	4	5
Flammability	1	2	3	4	5
Toxicity	1	2	3	4	5
Corrosivity	1	2	3	4	5
Reactivity	1	2	3	4	5
Stability	1	2	3	4	5

Hazard statements:

- Causes severe skin burns and eye damage.
- Highly flammable.
- May cause respiratory irritation.
- Respiratory irritation with long-term effects.

Precautionary statements:

- Do not breathe vapour/mist/spray.
- Wash all exposed external body areas thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves, protective clothing, eye protection and face protection.
- Avoid release to the environment.

For making the best use of the controls, please follow the checklist below:

- Make sure the vessel is well vented, 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 find there is a problem.
- Wash your hands before and after eating, drinking or using the facility.
- Do not use solvents to clean your skin.
- Clean up spills immediately. For liquids, contain or absorb spills with granules or mats. For solids and dust, use vacuum cleaning or wet sweeping.
- Dispose of spills safely.

Personal Protective Equipment

EMERGENCY

First Aid

Precautionary statements: Response

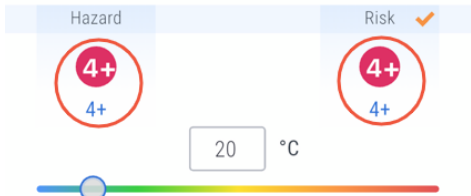
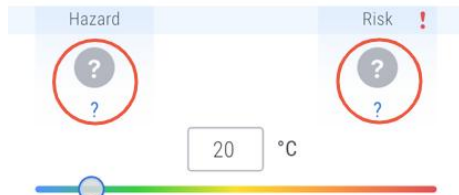
- If SWALLOWED: Immediately call a POISON CENTER or hospital/physician.
- If INHALED: Remove to fresh air. If not feeling better, call a doctor.
- If ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with water (or shower).
- If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Wash contaminated clothing before reuse.
- If SWALLOWED: Remove person to fresh air and keep comfortable for breathing.

OPERATIONAL INFORMATION

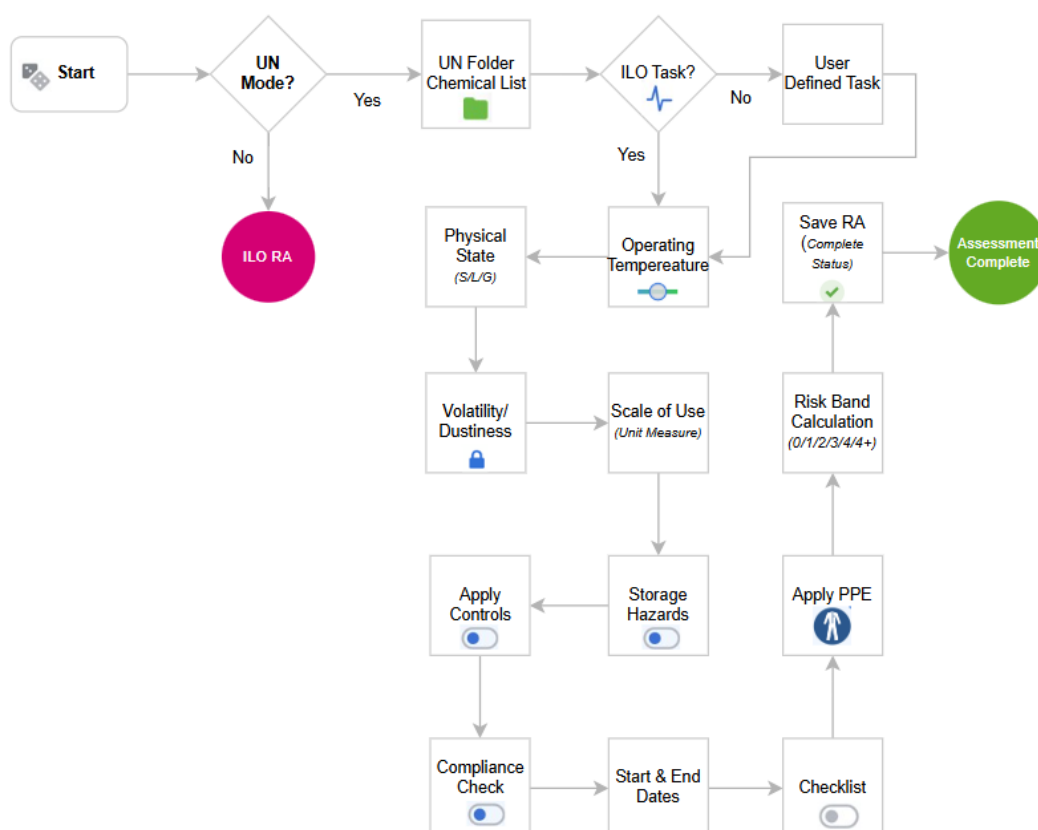
OPERATIONAL INFORMATION	SCALE OF USE	SCALE OF USE	SCALE OF USE
Job name	Job name	Job name	Job name
Job name	Job name	Job name	Job name
Job name	Job name	Job name	Job name

Note that at this stage, the risk assessment has not been approved. To get the report approved, use the **Approvals** section of the process and follow the steps in the Approving a Risk Assessment section of this guide.

5.1.2 Perform a UN (Storage) Risk Assessment for a Chemical

Hazard Rating Available	Hazard/Risk Rating (Question Mark)
A chemical with hazard rating depicts a chemical with hazard classification data, can directly be risk assessed.  • Data extraction available • Risk Band calculation	A chemical with a hazard rating (question mark) requires data extraction prior to risk assessing the chemical.  • No data extraction • Risk Band displays a question mark = No risk calculation available, recommend carrying out data extraction

The risk assessment process flow diagram illustrated below simplifies the steps on how to complete a **UN risk assessment** for chemical for **storage**.



Follow the detailed steps below to complete a risk assessment for a chemical.

Steps to Complete a UN (Storage) Risk Assessment for a Chemical

Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Click the **Risk Assessment Module**

button  in the menu slider panel on the left-hand side.

2. Use the toggle to turn on **RA mode**.

3. Use the toggle to turn on **UN mode**.

4. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where chemical inventory is located.

5. Click the **Chemical Name** to open the risk assessment window.

6. Open on the RA **Slider** panel (swipe left).

7. Click on the Task button.

8. Click on the **Task** category dropdown arrow to view options.

9. Select a specific risk assessment task, e.g., Storage/**General Storage** or Open Bulk Storage.

10. Click the **Apply** button at the bottom of the task window.

11. **Close slider** panel (swipe right) .

12. Set the **Operating Temperature** by typing the degrees value (**°C**) in the textbox or use the bar to set it.

Note that the default standard operating temperature is set to 20°C.

13. Confirm the **Physical Property** of the chemical as per default SDS data as a Solid, Liquid or Gas.

14. Set the **Discharge** by clicking on the appropriate option as Air, Water or Land.

15. Select the **Scale of Use** dropdown arrow to set the unit of measure.

16. Click on the **Risk Band** (Risk Rating) button to open the applied control options.

17. By default, the toggle buttons for the risk statements are switched on . Select the applicable **Controls**, e.g., Engineering, Administrative controls, etc., to reduce the risks to a minimum.

18. Select the **Compliance Check** toggle button .

19. Set the **Start and End Dates**.

20. Select the applicable **Checklist** statements using the toggle button or select all.

21. Click the **Personal Protective Equipment (PPE)** dropdown arrow and scroll down to confirm Chemwatch recommended PPE or select the applicable User preferred PPE(s).

22. Select **User Defined PPE** and close the PPE bar.

23. Add any **Comments** in the comments text field.

24. Click on the **Risk Band Back** arrow to go back to the chemical risk assessment window.

25. Click on the **Risk Assessment Status** to open the status dropdown options.

26. Select the **Assessment Complete** status .

27. Click on the **RA report** button **RA** at the bottom left corner of the window.

28. Select the **Yes** option from the message display to confirm saving the changes.

29. The **Document View** mode renders the completed **Risk Assessment Report**. The RA Report is colour coded depicting the risk rating on the document header.

30. Click the **RA Document View Back** button to go back to the completed chemical risk assessment window.

31. Click the **Risk Assessment Back** button to go back to the risk assessment chemical folder inventory list.

RISK ASSESSMENT 1

RA 2 JOBS ILO 3 UN

Last Sync Time: Unknown ↻

Q Folders > ... > Victoria > Laboratory

↑ ...

Analytical Lab 4
Not synchronized

Organic Chems Cupboard
Not synchronized

Reagents
Not synchronized

RISK ASSESSMENT

RA ⬅ JOBS ILO ⬅ UN

Last Sync Time: 5/19/2026 12:44 PM ↻

Q Folders > ... > Analytical Lab

↑ ...

sodium hydroxide 5

✓ Review Required

Hazard: 3 Risk: 2 20 °C

● AUS / EN / 19 May 2026 6

Sodium hydroxide

✓ Review Required

Hazard: ? Risk: ? 20 °C

< Risk Assessment

sodium hydroxide

? Assessment Incomplete ▾

Hazard	Risk
3	2

20 °C

Solid Liquid Gas

Air Water

Volatility / Dustin...
Powder

Scale Of Use
kg

7 Tasks
Job Form
Sheets

Tasks

☐ Minor Storage

Storage 8

☒ General storage 9

☐ Open bulk storage

10 < Back Remove Apply

< Risk Assessment

sodium hydroxide

? Assessment Incomplete ▼

Hazard	Risk
3	2

20 °C

Solid Liquid Gas

Air Water

Volatility / Dustin... Powder ▼

Scale Of Use kg

Tasks

Job Form

Sheets

< Risk Assessment

sodium hydroxide

? Assessment Incomplete ▼

Hazard	Risk
3	2

20 °C

Solid Liquid Gas

Air Water Land

Volatility / Dustin... Powder ▼

Scale Of Use kg

16

12

13

14

15

< Risk band

☒ Toxic by skin/eye contact

☒ Corrosivity

☒ Hazardous decomposition products

☐ Engineering Controls 17

☐ Administrative Controls 17

☒ Compliance Check Completed 18

Start date 16/05/2026 19 End date 18/05/2026

☐ Checklist 20

Select All ☐

☒ Make sure the room is well ventilated, and any extraction or air supply is switched on and maintained

☒ Compliance Check Completed

Start date End date

☒ Checklist

Personal Protective Equipment 21

< Risk band

☒ Select recommended PPE

Chemwatch Recommendation Initial

22

< Risk band 24

☐ 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, use vacuum cleaning or wet mopping. Dispose of spills safely

Personal Protective Equipment

Comments 23

Storage compatibility check completed

"completed" completely complete

q w e r t y u i o p
a s d f g h j k l
↑ z x c v b n m ↵
123 ↵

< Risk Assessment

sodium hydroxide

? Assessment Incomplete 25

☒ Assessment Complete 26

☒ Review Required

? Assessment Incomplete

! Assessment Not Required

Volatility / Dustin... Powder

Scale Of Use kg

27

RA MINI SDS

Do you want to save changes?

No 28 Yes

Document View 30

RA 29

Location: Analytical Lab Risk assessment for No Task Defined / Job name:

DAINGEROUS GOODS RISK ASSESSMENT REPORT

sodium hydroxide solid

THE HAZARD 3 High

THE RISK 4 Very High

Control: Respiratory Protection Factor: 20

INGREDIENTS CAS NO. % WHR DEL. 15 MIN DEL.

sodium hydroxide

1310-73-2

100

15 MIN DEL.

15 MIN DEL.

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Risk Assessment 31

sodium hydroxide

Assessment Complete

Hazard	Risk
3	4

20 °C

Solid Liquid Gas

Air Water Land

Volatility / Dustin... Powder

Scale Of Use kg

RA

MINI

SDS

Users can access other documents for the chemical on this screen:

- Mini SDS
- SDS

Note that at this stage, the risk assessment has not been approved. To get the report approved, use the **Approvals** section of the process and follow the steps in the Approving a Risk Assessment section of this guide.

5.1.3 Approving a Risk Assessment – Jobs Mode

The risk assessment process includes the **Approvals** for a risk assessed material to ensure responsible person(s) comply with internal risk assessment procedures and obtain formal sign-off on the risk assessment document.

Risk Assessment Status = Complete

RISK ASSESSMENT

RA ☒ JOBS ILO ☐ UN

Q Folders > ... > Decanter > Bottle filling

acetone

☒ Assessment Complete

Hazard: **2** Risk: **0** 20 °C

Task: Bottle filling

AUS / EN / 17 Jun 2025

Jobs Mode – Archives Completed Jobs

RISK ASSESSMENT

RA ☒ JOBS ILO ☐ UN

Q Job / Task Search

JOB
2 folders

This process is completed by finalizing the Job Form (Approvals) and generating a Job (Process) Report using the Jobs mode.

Slider Panel to Access Jobs Form

Slider Panel Display Job Form button.

Hazard **4** Risk **2** ✓

20 °C

Solid Liquid Gas

Air Water

Volatility / Dustin...
Medium

Scale Of Use
mL

Frequency of use
weekly

Duration Of Use
1-4hrs

Tasks

☒ Job Form

Sheets

Jobs Form (Approvals)

< Job Form

Version: 2

Code

Job Name
Decanter

Date
17/06/2025

Reassess
16/06/2026

Persons Exposed

Assessed By: user1

Assessor's Signature

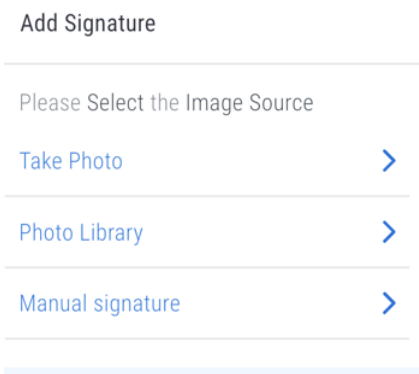
Approved By: -

Approver's Signature

...

< Back Save

As part of the sign-off process, a signature can be used for the assessor and approver of a risk assessment. There are options to create a signature within the application's Settings:

Signature Options	User Interface Component
There are options to Add a signature in the application Settings mode: • Manual Signature and get a preview • Take a Photo (Allow camera to take photo) • Photo Library (Private access library photos)	

The following steps show how to add your own signature by creating it manually using the app's Settings mode.

Steps to Create a Manual Signature

Open the Chemwatch Mobile app  from your device home screen to login. 1. Tap the Settings Mode button at the bottom of the main modules' menu slide panel on the left-hand side. 2. Open Home Settings and scroll down to "My Signature field." 3. Click the Upload  icon to open the Add Signature window. 4. Click the Image Source option from the Add Signature window, e.g., Manual Signature.	5. Create your Signature manually within the free-hand blank frame. 6. Click the Add button  Add. Note that you cannot add an empty signature. 7. Click the Home Settings Save button. 8. The saved manual signature will be displayed in the Manual Signature field. Click the Preview icon to preview your saved signature.
---	--

The signature uploaded in Home Settings will be available in the application to utilise in other modules, such as the Risk Assessment Jobs mode for approval of a risk assessment.



- Home
- Risk Assessment
- eLearning
- Inventory
- Stocktake and Reconciliation
- Analytics
- Settings** 1
- Logout

SETTINGS

Documents management

- Home Settings** 2
- SDS Settings
- Domain and user settings

My Signature

3 

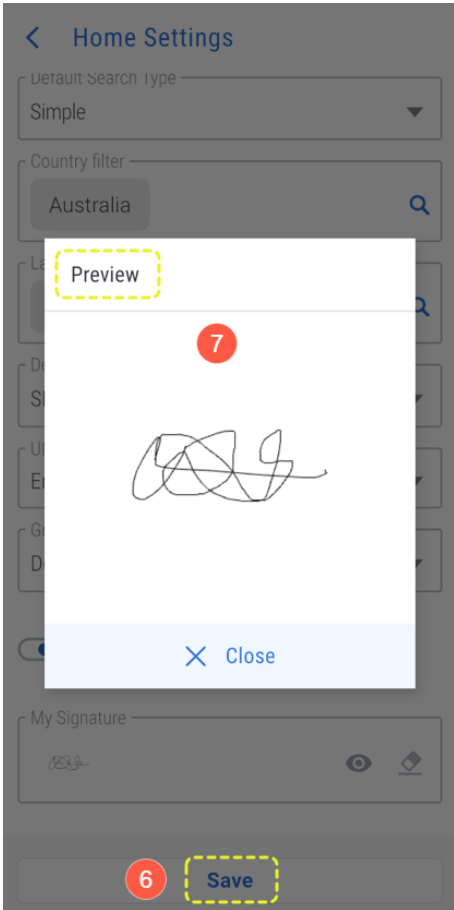
6 **Save**

Add Signature

Please Select the Image Source

- Take Photo
- Photo Library
- Manual signature** 4

 Cancel



The steps below provide guidance on how to complete a Job Form for approval of the chemical risk assessment and upload your signature. Every Job form filled and saved will generate a new version number for tracking the approval.

Steps to Complete a Job Form for a Chemical RA Approval and Generate a Job (Process) Report

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Risk Assessment Module**

button in the menu slider panel on the left-hand side.

2. Select the **RA/Jobs** toggle to turn on the Risk Assessment mode.

3. Select the **ILO/UN** toggle to turn on the **ILO** (Health) switch.

4. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where chemical inventory is located.

5. Click the **Chemical Name** to open the window for the **Completed** risk assessment.

6. Select the **Slider Panel** arrow (swipe left) on the middle right corner to open the action options.

7. Click on the **Job Form** button .

8. Enter the **Job Code** in the textbox field.

9. Fill in the **Job Name** or use the default job name for the task

10. Select the **Reassess Date**.

11. Fill in the **Persons Exposed** text field.

12. Enter the **(SOP) Standard Operating Procedure** details in the operating procedure textbox field.

13. Click on the **Assessor's Signature** field to sign-off as a risk assessor.

14. Click the **Save** button .

15. Click on the **Back** button to go back to the chemical risk assessment window.

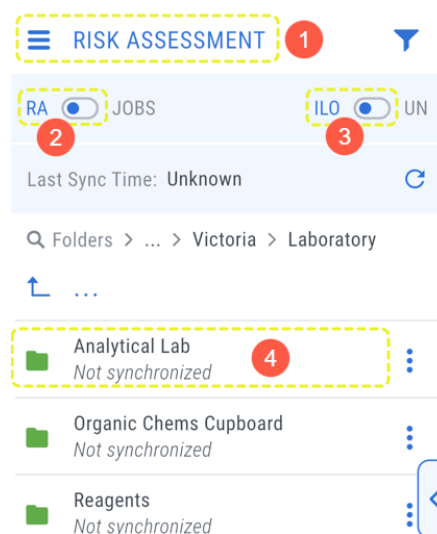
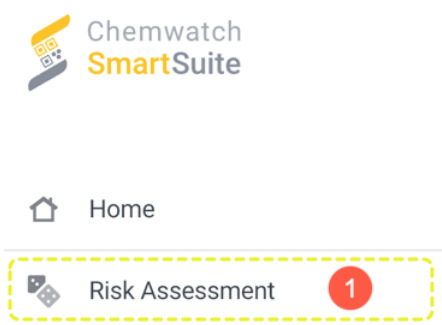
16. Click the **Risk Assessment Back** button to go back to the risk assessment main screen.

17. Select the **RA/Jobs** and **ILO/UN** toggles to turn on the Jobs mode and ILO for Health (Use) respectively.

18. Click on the **Jobs System Folder** to expand subsidiaries, view completed jobs for the risk assessed chemical(s).

19. Click the **Job (Process) Report** button at the middle bottom of the jobs window to view the document.

20. Click the **Share** button to send it to responsible person or to save it on your drive for archiving.



< Risk Assessment

trifluoroacetic acid **5**

✓ Assessment Complete ▼

Hazard	Risk
3	4
3	4

20 °C

Solid Liquid Gas

Air Water Land **6**

< Risk Assessment

acetone

✓ Assessment Complete ▼

Hazard	Risk
2	0
2	0

20 °C

Solid Liquid Gas

Air Water

Volatility / Dustiness: Medium

Scale Of Use: L

Frequency of use: daily

Duration Of Use: <30min

Job Form **7**

Sheets

< Job Form

Version: 3

Code **8**

JHB44

Job Name **9**

Decanter

Date

17/06/2025

Reassess **10**

16/06/2026

Persons Exposed **11**

2

Assessed By: user1

Assessor's Signature **13**

Approved By: -

Approver's Signature

15

< Back

14

Save

≡ RISK ASSESSMENT

RA **17**

JOB ☒ ILO ☐ UN ☐

Job / Task Search

18

JOB

2 folders

The **Jobs System Folder**  houses all the respective **Tasks Folders** based on filled and saved approval Job Form. Opening the Jobs system folder will display subfolders for all job forms based on the assigned risk assessment tasks for each completed risk assessment for the chemicals.

RISK ASSESSMENT

RA JOBS
ILO UN

Q Folders > ... > Decanter > Bottle filling

↑ ...

acetone

✓ Assessment Complete

Hazard: 2 Risk: 0 20 °C

Task: Bottle filling

• AUS / EN / 17 Jun 2025

acetone

✓ Review Required

Hazard: 2 Risk: 0 20 °C

Task: Bottle filling

• AUS / EN / 05 Dec 2023

19

Job Report

Document View

Process Report
05/03/2026

Number of tasks performed: 2

Job Name: Decanter
 Hazard: 2 Moderate
 Risk: 0 None
 Status: Assessment Incomplete
 Re-assess date: 05/12/2024

Adopted control(s): General ventilation
 PPE:

* Please refer to Task List below for Detailed information on Controls
 * 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
acetone	Bottle Filling	2	0	Adopted control(s): General ventilation	
acetone	Bottle Filling	2	0	Adopted control(s): General ventilation	

5.1.4 Print Out Risk Assessments

The risk assessment **Print Out mode** provides users with the ability to print Risk Assessment List and Documents.

Print Out Mode Options	User Interface Component
There are options to Print Out Risk Assessment List in folder in the Risk Assessment module: List - List - Documents Links Documents - SDS - Mini - RA (apply temporary signature for assessor and approver)	

The steps below illustrate how to use the **Print Out** feature to generate a list or document links for a specific type of document.

Steps to Print Out Risk Assessment List or Document Links

Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Risk Assessment Module**

button in the menu slider panel on the left-hand side.

2. Select the **RA/Jobs** toggle to turn on the Risk Assessment mode.

3. Select the **ILO/UN** toggle to turn on the ILO mode for Health (Use).

4. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where the chemical inventory is located.

5. Select the **Slider Panel** arrow (swipe left) on the middle right corner to open the action options.

6. Click on the **Print Out** button.

7. Select the **List** dropdown arrow to list options.

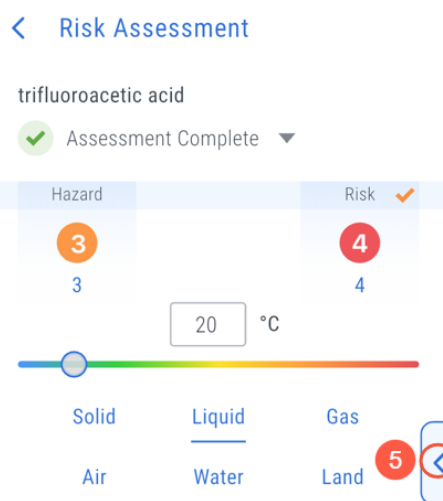
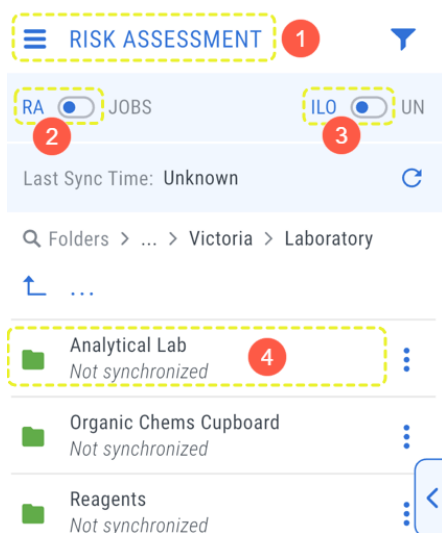
8. Select the **List** toggle to turn it on to print all chemical risk assessment list in the folder.

9. Select the **Documents Links** toggle button to turn it on.

10. Click the **Start Process** button and wait a moment until the document links are generated at 100%.

11. Use the Share , **View** or QR code buttons to render the generated documents.

The **Document View** option allows to view the List of Materials for the selected risk assessment folder inventory and the documents links.



zinc chloride

✓ Review Required

Hazard: 3 Risk: ? 20

AUS / EN / 06 Feb 2026

Chlorine

✓ Assessment Complete

Hazard: 4 Risk: 3 20

CAN / EN / 06 Feb 2026

acetone

✓ Review Required

List 7

All In Folder

List 8

Documents Links 9

10 Start Process

Documents

Generated Documents

PrintList_All_06/02/2026_03... X

100%

Share 11 View QR

06/02/2026 Expires: 71h

List of Materials

Location: Australia/Victoria/Laboratory/Reagents						06/02/2026 03:46:07		
Name	Task	Status	Hazard	Volatility/Dustiness	Scale Of Use	Frequency Of Use	Risk Band	Tags
acetone	No Task Defined	Review Required	2	medium	millilitres	weekly 1-4hrs	0	
Chlorine	No Task Defined	Assessment Complete	4	high	litres	weekly 1-4hrs	3	
zinc chloride	No Task Defined	Assessment Complete	3	powder	kilograms	weekly 1-4hrs	2	

List of Materials (Doc Links)

Location: Australia/Victoria/Laboratory/Reagents

06/02/2026 03:46:07

Material Name	CW No	Vendor	Country	Language	Link
acetone	1090	MP Biomedicals	Australia	English	Link
Chlorine	1017	Air Products (Air Products & Chemicals)	Canada	English	Link
zinc chloride	2331	Redox Pty Ltd	Australia	English	Link

The steps below illustrate how to use the **Print Out** feature to generate a Risk Assessment document and apply a temporary signature as an Assessor or Approver.

Steps to Print Out Risk Assessment Documents – RA Report and Apply Temporary Signature

Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Tap the **Risk Assessment Module**

button  in the menu slider panel on the left-hand side.

2. Select the **RA/Jobs** toggle to turn on the Risk Assessment mode.

3. Select the **ILO/UN** toggle to turn on ILO for Health (Use).

4. Click on a **Folder** to open a chemical list or expand parent folder to the appropriate node for a storage folder where chemical inventory is located.

5. Select the **Slider Panel** arrow (swipe left) on the middle right corner of the screen to open the action options.

6. Click on the **Print Out** button.

7. Select the **Documents** dropdown arrow to open the type of documents.

8. Select the **Document type** toggle to turn it on to selected document type, e.g., **RA**.

9. Click the **Start Process** button . This action will open the Temporary Signature window.

10. In the **Temporary Signature** window, select the **Switch** to turn on **All Reports** or **Unsigned Reports Only** to plug in the temporary **Signature** for Assessor and/or Approver.

11. Select the **Upload** icon to upload your signature to the selected field, e.g., Assessor.

12. Select the applicable signature mode to apply from the Add Signature options; Take a Photo, Photo Library or **Manual Signature**.

13. Manually **Create a Signature** in the free-hand signature field.

14. Click the **Add** button to save your manual signature.

15. Select the **Apply** button **Apply** or **Skip** temporary signatures for the assessor and/or approver.

16. Use the **Share** , **View** or QR code buttons to render the generated documents.

The View option allows to view the Risk Assessment (RA) Report document.

17. **RA Report** with Assessor and/or Approver Signature applied in the generated document is shown in the **Approval's** section at the bottom of the document.

Note:

If all the types of documents are switched on, the system will generate all those document types (SDS, Mini and RA reports). Scroll down the report view screen to view more documents.

RISK ASSESSMENT 1

RA 2 JOBS ILO 3 UN

Last Sync Time: Unknown

Q Folders > ... > Victoria > Laboratory

Analytical Lab 4
Not synchronized

Organic Chems Cupboard
Not synchronized

Reagents
Not synchronized

Risk Assessment

trifluoroacetic acid

Assessment Complete

Hazard	Risk
3	4

20 °C

Solid Liquid Gas

Air Water Land 5

zinc chloride

Review Required

Hazard: 3 Risk: ? 20

AUS / EN / 06 Feb 2026

Chlorine

Assessment Complete

Hazard: 4 Risk: 3 20

CAN / EN / 06 Feb 2026 6

acetone

Review Required

Config Offline Print out

List

Documents 7

All In Folder

SDS

MINI

RA 8

9 Start Process

Temporary signature

Temporary signature will apply to:

All reports 10

Unsigned reports only

Assess 11

Approve

Skip 15 Apply

Add Signature

Please Select the Image Source

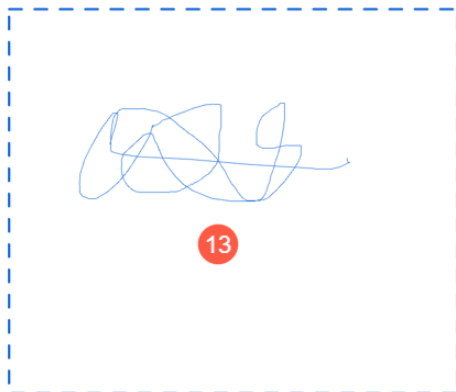
Take Photo

Photo Library

Manual signature 12

Cancel

< Manual signature



< Back

Clear

Add

List

Documents

☒ All In Folder☐ SDS☐ MINI☒ RA

Start Process

Generated Documents

Documents_RA_06/02/202...

100%



Share



View



QR

06/02/2026

Expires: 71h

Note:

The generated documents date (dd/mmy/yyyy) and expiration (hrs) is displayed once the process is complete.

< Document View

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

Location: Australia/New Laboratory/Phagocytosis Risk assessment for: No Task/Other / Add name

HEALTH RISK ASSESSMENT REPORT

Acetone Risk

THE HAZARD 2 Medium **Control: Adequate** **Control: General ventilation** **Respiratory Protection Factor: 4**

INCIDENTS

INCIDENT	CAS NO.	%	MSD	15 MIN OEL
Acetone	67-64-1	Acetone	1000 mg/m ³	200 mg/m ³

Warning: - Change in contact with skin and/or eyes.
- Flammable - Use Intrinsically Safe Equipment - Keep away from open flame or sources of ignition.
- Chemwatch Hazard Ratings:

Flammability	Health	Environment
3	2	1

Personal Protective Equipment

Eye	Hand	Body	Head	Foot
Eye Protection	Gloves	Overalls	Head Protection	Foot Protection

HEALTH HAZARDS

HEALTH HAZARD	HEALTH HAZARD
Eye Irritation	Respiratory Irritation

First Aid

First Aid	First Aid
Eye Irritation	Respiratory Irritation

Hazard statements:

- Irritation to eyes and respiratory system.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.

Potential Potentially At Risk are:

- There is a risk of fire.
- There is a risk of explosion.

Precautionary statements:

- Keep away from heat, hot surfaces, open flames, sparks and other ignition sources. No smoking.
- Use only outdoors or in a well-ventilated area.
- Containers and label must not be refilled or reused.
- Use explosion proof intrinsically safe equipment.
- Use non-sparking tools.
- Take action to prevent static discharges.
- Avoid breathing vapours/mist.
- When wearing gloves, remove them after use and wash hands.
- Wash all exposed external body areas thoroughly after handling.

Precautionary statements:

- Remove all fire sources, including bare or hot tools, before use.
- IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF ON SKIN: Wash with soap and water. If on face, wash with soap and water.
- IF ON SKIN: Wash with soap and water. If on face, wash with soap and water.
- IF ON SKIN: Wash with soap and water. If on face, wash with soap and water.

Operating Temperature

Operating Temperature	Operating Temperature
20 °C	20 °C

Volatility/Boiling Points

Volatility/Boiling Points	Volatility/Boiling Points
Boiling Point	56 °C

Scale of Use

Scale of Use	Scale of Use
Scale of Use	Scale of Use

Frequency of Use

Frequency of Use	Frequency of Use
Frequency of Use	Frequency of Use

Code

Code	Code
Code	Code

Last Modified

Last Modified	Last Modified
Last Modified	Last Modified

Version number

Version number	Version number
Version number	Version number

Checklist

Checklist	Checklist
Checklist	Checklist

RA ID

RA ID	RA ID
RA ID	RA ID

Approved By

Approved By	Approved By
Approved By	Approved By

Signature

Signature	Signature
Signature	Signature

06/02/2026 04:02:02

06/02/2026 04:02:02

6.0 Offline Mode

This topic covers the following points.

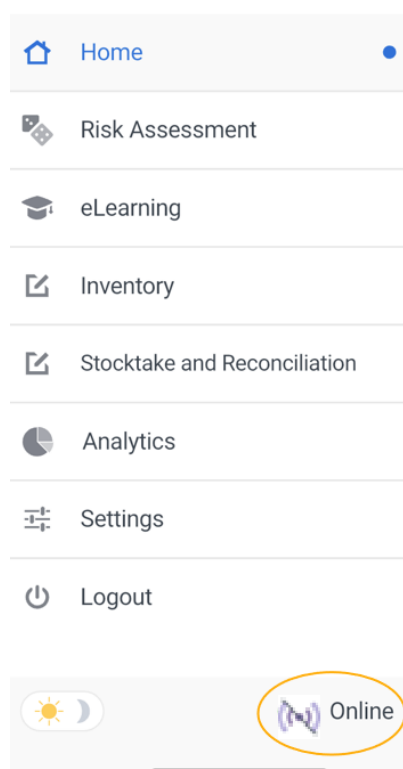
- Switch mobile app to offline mode
- Download documents in offline mode
- View documents in offline mode



The mobile app allows users to operate in **Offline Mode** , making it suitable for use on the go or in remote locations where internet access is limited or unavailable. In Offline mode, users can continue to access the apps and view documents without a internet connection.

Connectivity Status

How do you confirm that the mobile app is connected or not connected to the internet?



If your device experiences connectivity issues, it will display an “Offline” label  instead of an “Online” label  in the mobile app’s home screen, located at the bottom right corner.

Documents Download

Documents can be downloaded for offline access within the Chemicals Management mode and container scanning can be performed in the Inventory section of Assets Management. Downloaded documents may be deleted when no longer required, freeing up storage space for future downloads. Once removed, these documents will no longer be accessible in Offline mode.

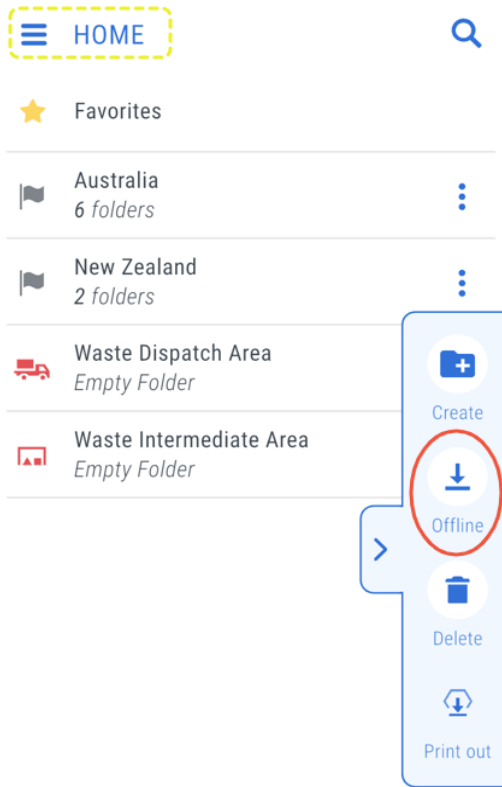
Synchronisation

Synchronization is unavailable while Offline Mode is active. Users can add, remove, or edit containers while offline; however, these changes are not immediately saved to the database. Once internet connectivity is restored, users can initiate the synchronization process to upload the changes and align the mobile app data with the web application.

Offline download can be activated in the Chemicals Management Home module when viewing the folder tree by selecting the slider (swiping left) panel **Offline** button  to access offline attributes.

Offline Access Mode

The offline access mode provides the following attributes for the Home module.

Offline Access Attributes	Slider Panel – Access to Offline Mode
Home Module Offline – Documents Options Turn on the Switch  to enable the system to access the following documents: • SDS • MINI Turn on the Switch to download documents for all folders: • Yes • No To keep the downloaded documents up to date, use the toggle  button to turn on Update.	

Risk Assessment Module

Turn on the Switch  to enable the system to access the following documents:

- RA

Turn on the Switch to download documents for all folders:

- Yes
- No

To keep the downloaded documents up to date, use the toggle  button to turn on **Update**.

Offline access

What type of documents would you like to access offline?

 RA

Would you like to download documents for all folders?

Yes  No

What would you like to do with documents already available offline?

Keep  Update

6.1 Download Documents for Offline Mode Access

Documents can also be downloaded one by one or all documents in folders for offline viewing.

The steps below show how to turn on the **Offline Access** attribute(s) in **Home module**.

Steps to Set Offline Access for Document(s) and Keep or Update Existing Offline Documents

Open the **Chemwatch Mobile app**  from your device home screen to login.

1. Tap the **Home Module**  button in the menu slider panel on the left-hand side.
2. Click on the **Slider Panel** arrow  (swipe left) to open options.
3. Click the **Offline** button  to open the Offline Access window.
4. Select the applicable Offline Access **Type of Documents** by turning on the toggle  button(s).
 -  SDS
 -  MINI
5. Answer the question to download documents for all folders or not by using the **Yes/No** toggle  button.

6. Select the toggle button  to **Keep or Update** the documents that already available offline.
7. Click the **OK** button  at the bottom right corner of the Offline Access window.
8. Wait until the download process has finished downloading the various type(s) of documents.
9. Select a folder dropdown arrow  to confirm **downloaded SDS records** in that specific folder .

Note:

The progress bar displays the total number of documents downloaded.

10. Click the **OK** button  to close download window.
11. Click the **Close** button to close finished download.

HOME

1

Search

Favorites

Australia
6 folders

New Zealand
2 folders

Waste Dispatch Area
Empty Folder

Waste Intermediate Area
Empty Folder

2

3

Offline

Delete

Print out

Offline access

What type of documents would you like to access offline?

SDS

4

MINI

Would you like to download documents for all folders?

Yes

No

5

What would you like to do with documents already available offline?

Keep

Update

6

Cancel

7

OK

Downloading SDS

128 of 133

Finished loading

8

Folders to which documents are loaded for offline mode.

RAP - PFAS Substances

Analytical Lab

Chemical Shed

22264503 Domestos Bleach Cle...

Cleaning Cupboard

9

10

Ok

Finished loading

Folders to which documents are loaded for offline mode.

Analytical Lab

HQ

Fuel Shed

Reagents

11

Close

The steps below show how to turn on the **Offline Access** attribute(s) in **Risk Assessment module**.

Steps to Download Document(s) when in Risk Assessment Module

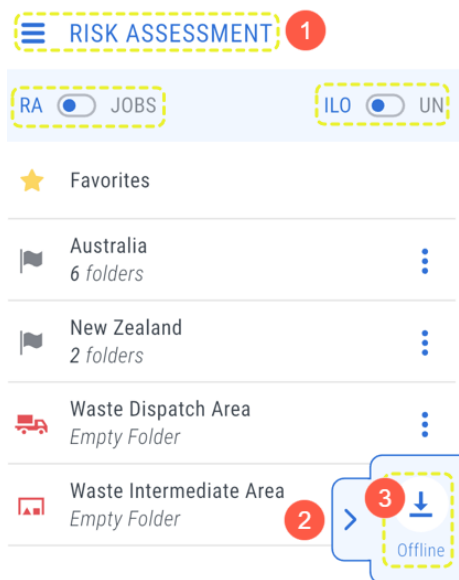
Open the **Chemwatch Mobile app** from your device home screen to login.

1. Tap the **Risk Assessment Module** button in the menu slider panel on the left-hand side.
2. Click on the **Slider Panel** arrow (swipe left) to open Offline Access window.
3. Click the **Offline** button to open the Offline Access window.
4. Select the applicable Offline Access **attributes** by turning on the respective toggle button to download risk assessment reports.
 - ☒ RA

5. Answer the question to download documents for all folders or not by using the **Yes/No** toggle button.
6. Select the toggle button to **Keep or Update** the documents that already available offline.
7. Select a folder dropdown arrow to confirm **downloaded RA reports records** in folder(s) .
8. Click the **OK** button to close the download window.
9. Wait until the download process is finished.
10. Click the **Close** button.

Note:

The progress bar displays the total number of documents downloaded.



Offline access

What type of documents would you like to access offline?

☒ RA 4

Would you like to download documents for all folders?

Yes ☒ No 5

What would you like to do with documents already available offline?

Keep ☒ Update 6

Cancel

7

Downloading RA

11 of 134

Finished loading

Folders to which documents are loaded for offline mode.

HQ 7

Woodcare Interior Varnish Gloss

QuickBayt® Spray Fly Bait

POLY PRE PAINT WASH SUGAR...

Polyfilla Putty

Poly Sugar Soap Concentrate

8 Ok

Finished loading 9

Folders to which documents are loaded for offline mode.

Analytical Lab

HQ

Fuel Shed

Reagents

10 Close

- i** Note that deleting offline records in the mobile app does not remove the materials from folders, only the downloaded PDF documents are deleted from the device's local memory.

7.0 Analytics



The **Analytics** module provides users with a tool to create widgets and draw data from the business inventory to generate reports and statistical information.

- [Create dashboards \(Default/Private\)](#)
- [Editing dashboards](#)
- [Create widgets](#)
- [Types of charts](#)
- [Dashboard layout options](#)
- [Print, share or download dashboard report](#)

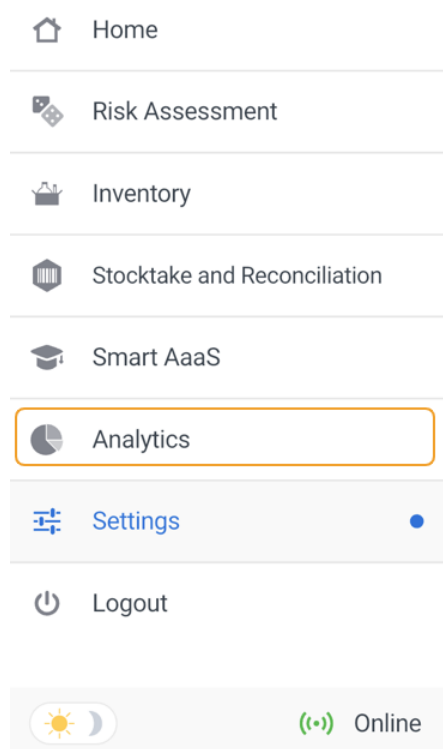


7.1 Overview

The mobile app's main screen provides access to the **Analytics Module** to create widget-based dashboards, generate statistical data and reports for hazardous chemicals and dangerous goods for products/containers.



Chemwatch
SmartSuite



The **Menu** Slider (swipe mode) on the left-hand side displays the modules available

- Home module
- Risk Assessment module
- eLearning
- Inventory mode
- Stocktake and Reconciliation module
- **Analytics**
- Settings
- Logout
- User interface colour theme
- Online/Offline mode

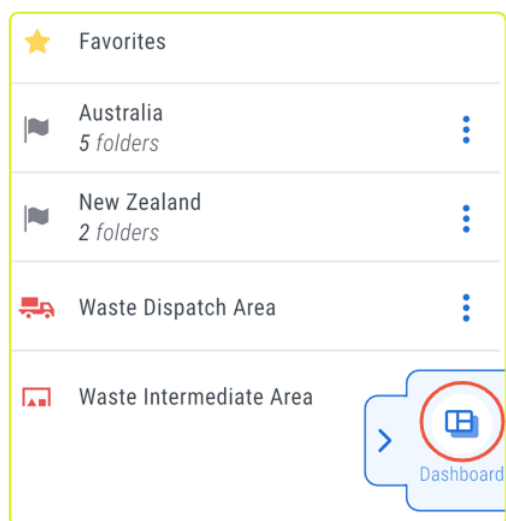
Analytcs Features	Attributes
Folders Panel Users can view folder panel and select the respective folder locations to use as a source of data generation for analytics.	- Folder structure - Folder inventory - Data source (Own collection)
Categories of Dashboard Widgets The following dashboard widgets categories are available to pull data for analytics. - Dangerous Goods Class - Dangerous Goods Class and Packing Group - Regulatory Burden - Hazard Rating Chart Data is grouped by: - Number of materials - Weight	List of Widgets - Number of Materials per Dangerous Goods Class - Weight by Dangerous Goods Class - 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

7.2 View Dashboard and Generate Analytics Data

The Analytics module main screen provides access to Dashboard  and Widgets. The app must be synchronized with the Chemwatch web application to ensure that data is up to date.

ANALYTICS

Search for a folder



The primary source of data is dependent on your own folder inventory to be able to create widgets and generate graphical representation analytics reports for hazardous chemicals and dangerous goods located in a selected folder.

Dashboards Widgets created in the web app are accessible in the mobile app's Analytics module's administrator dropdown menu. However, users can create widgets in the mobile app's Analytics module to generate graphical data based on the number of chemicals in a selected folder inventory. The dashboard builder provides drag and drop functionality to create dashboards for the selected widgets in the segmented columns.

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)

The steps below illustrate how to access existing **dashboard widgets** and generate analytics data for a selected folder inventory and choose the **report layout**.

Steps: View Dashboard and Widgets to Generate Data

1. Click the **Analytics** module button  on the home page main menu.
2. Select a **Folder**  location.

Note that the folder inventory will be used as the source of data to be generated in a dashboard.
3. Swipe left  on the **Slider Panel** located in the middle right area of the user interface.
4. Click the **Dashboard** button  on the slider panel.
5. Click on the **Dashboard Name** **dropdown arrow**  to list any available dashboard.
6. Select the **Dashboard Name** to load widgets data.
7. Click the **Dashboard icon** on the top right corner to open the dashboard builder to change layout.
8. Click the **Layout**  dropdown arrow  on the top right corner of the dashboard window to view the layout options.
9. Select the **Layout option**  that best suits your data presentation style.
10. Click the **Save** button at the bottom left corner of the dashboard window.
11. Click the **Dashboard header path**  to go back to load widgets charts statistical information based on selected folder inventory.



Home

Risk Assessment

Inventory

Stocktake and Reconciliation

Smart AaaS

Analytics 1

ANALYTICS

Search for a folder

Favorites

Australia 5 folders 2

New Zealand 2 folders

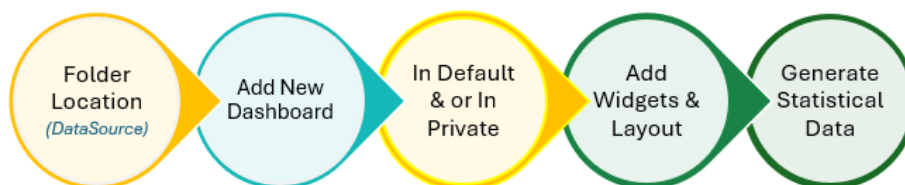
Waste Dispatch Area

Waste Intermediate Area 3

Page 135 of 142

7.3 Create a Dashboard to Generate Report Data

Creating a dashboard and generating data follows the process below.



The steps below illustrate how to access dashboards, create a new dashboard, 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  on the app's home page main menu.
2. Select a **Folder**  location.

Note that the folder inventory will be used as the source of data to be generated in a dashboard.
3. Swipe left  on the **Slider Panel** located in the middle right area of the user interface.
4. Click the **Dashboard** button  on the slider panel.
5. Click **Add + icon**  located at the top right corner of the dashboard window.
6. Input the **Name of the Dashboard**.
7. Select checkbox for **"Is Default"** and/or **"Is Private"** attribute.
8. Click the **Save** button to save dashboard name with attribute.
9. **Drag and drop Widget(s)** from the chart options at bottom of the window into the segment layout. To select more widgets, swipe left or right to drag and drop them into the dashboard builder. The following widgets are used as an example.
 - Number of materials by Hazard Rating
 - Weight by Hazard Rating
10. Click the **Layout**  dropdown arrow  on the top right section of the dashboard window to list layout options.
11. Select the **Layout option**  that best suits your data presentation style.
12. Click the **Save** button.
13. Click the **Dashboard header path**  to render widgets statistical information.

Depending on the number of widgets added, scroll down to view all the rendered charts based on your selected layout.

ANALYTICS

Search for a folder

★ Favorites

- Australia
5 folders
- New Zealand
2 folders
- Waste Dispatch Area
- Waste Intermediate Area

4 Dashboard

Dashboard

5 Dashboards

Dashboard: DG and Haza... administrator

administrator

DG and Hazards

Hazard Rating

Dashboards

6

Dashboard: Hazard R... Layout

Number of Materials by Hazardous Class

Weight by Re...

Number of Materials by Hazardous Class

12 Save Cancel

Dashboards

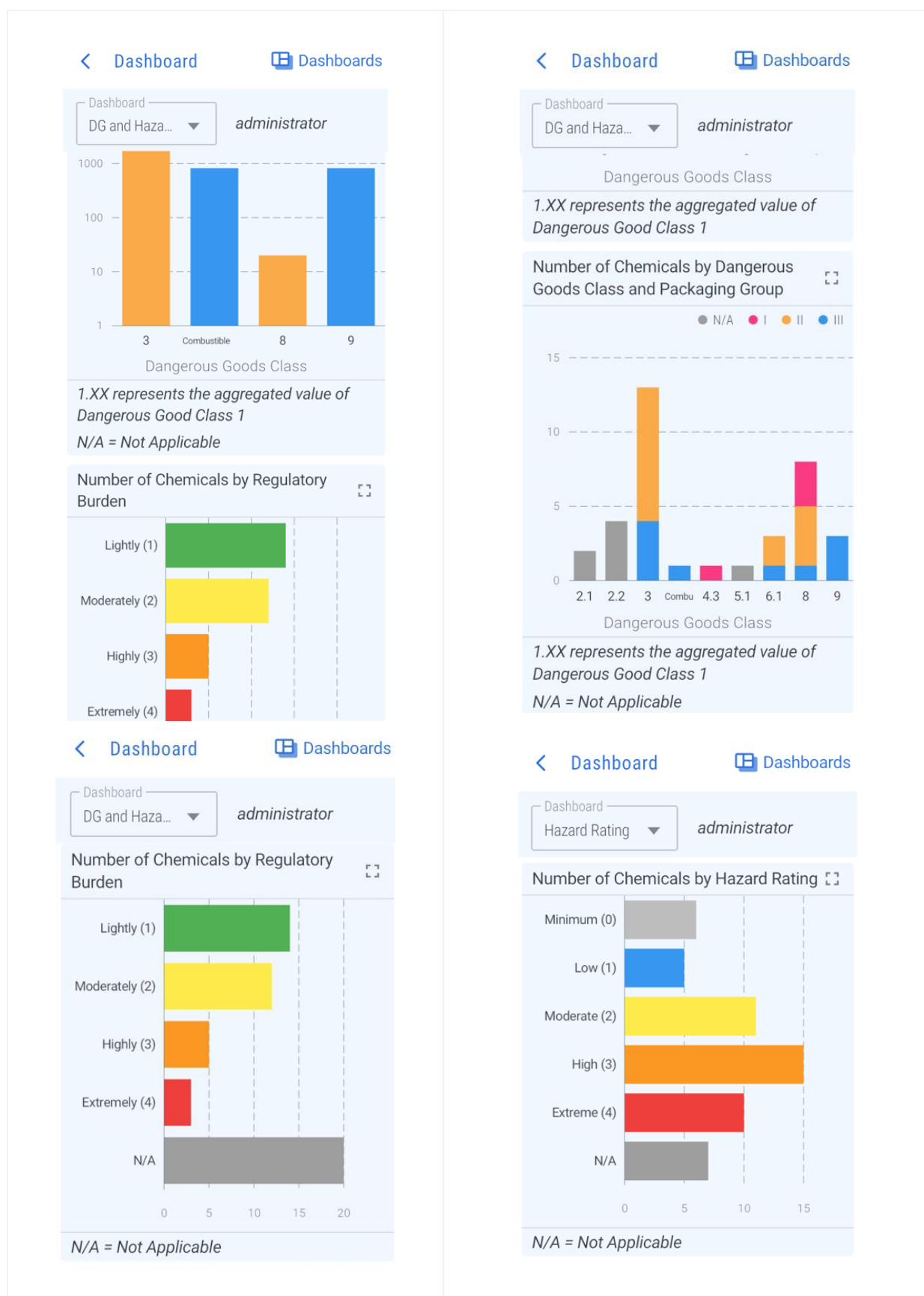
13

Layout 10

11

9

Generated Data View - Dashboard Widgets



Appendix

Sections of an SDS

The table below provides the 16 sections of an SDS and the information that must be covered in those sections when authoring an SDS for a product.

Section	Headers & Descriptions
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

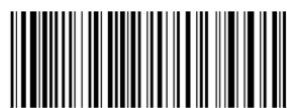
	• Boiling point and boiling range • Flash point • Evaporation rate • Flammability • Upper/lower flammability or explosive limits • Vapour pressure • Vapour density • Relative density • Solubility • Partition coefficient: n-octanol/water • Auto-ignition temperature • Decomposition temperature • Viscosity • 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

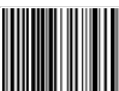
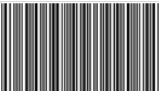
	Other adverse effects
13. Disposal considerations	- Safe handling and disposal methods - Disposal of any contaminated packaging - Environmental regulations
14. Transport information	- UN number - Proper shipping name - Transport hazard class(es) - Packing group - Environmental hazards - Special precautions 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

Barcode Symbiology and Format

Barcode Symbiology

Barcodes are formatted based on barcode length, barcode height, symbol, start character, data, check digit, stop character, quiet zone. The system-supported container barcode types (symbiology) are listed below.

Barcode Format	Description	Barcode
GS1-128	Barcode symbiology standard that utilizes Code 128 linear barcode symbiology as its base, which adds special GS1 rules, including application identifiers and inherits Code 128 characteristics. This type of barcode is widely used in supply chain.	
EAN 8	European Article Number (EAN) is a thirteen-digit standard symbiology numbering system used in global trade for the identification of a product type, packaging, and manufacturer.	
EAN 13	European Article Number (EAN) is an eight-digit standard symbiology numbering system used in Europe as a retail product identifier for smaller sized packages.	
Standard 2 of 5 (Industrial)	Encodings 0-9 digits and have low encoding density.	

Code 11	Encodes any length string consisting of 0-9 digits and the dash (-) character).	
Code 39	This code consists of a symbiology character set of numbers 0-9, upper case letters A-Z, space character and symbols -. \$ / + %. It is a common barcode type used for labels such as name badges, inventory, and industrial applications.	
Code 93	Higher density and security enhancement, variable length barcode that can code up to 43 alphanumeric characters and universally used in military and automotive industry.	
Code 128	This is a denser type of barcode that encodes all 128 ASCII characters, which includes letters and numbers, punctuation, symbols. It is widely used in logistics, shipping, and purchasing.	
Codabar	This is a self-checking barcode designed to be read on printed forms. It consists of up to 16 different numeric characters and an optional 4 more letter characters, A, B, C, D, used in the beginning and the end of the barcode. It is commonly used in packaging and blood bank forms.	
MSI	This is a numeric barcode used on shelves in supermarkets, warehouses, and other storage facilities for inventory purposes. The information on the barcode includes the product information, the number of units and other pertinent information. It can be of any length and is represented in binary format, and its advantage is that it can encode substantial amounts of information.	
Datamatrix (ASCII) + extended)	2-D barcode in a square or rectangle pattern and encoded as text or numeric data from a few bytes to 1556 bytes.	
QR Code	This is a Quick Response Code, a 2-D matrix barcode which is machine readable or can be read by an imaging device such as a camera. It is used as an identifier, tracker to pinpoint a website or application or any extension. This type of barcode is commonly used in consumer advertising, where usually a smartphone is used as a QR code scanner.	