



THE UNIVERSITY OF
MELBOURNE

Chemwatch Chemical Inventory - Generating a QR code for a location

Business Services

Health & Safety

Chemical Safety Consultant





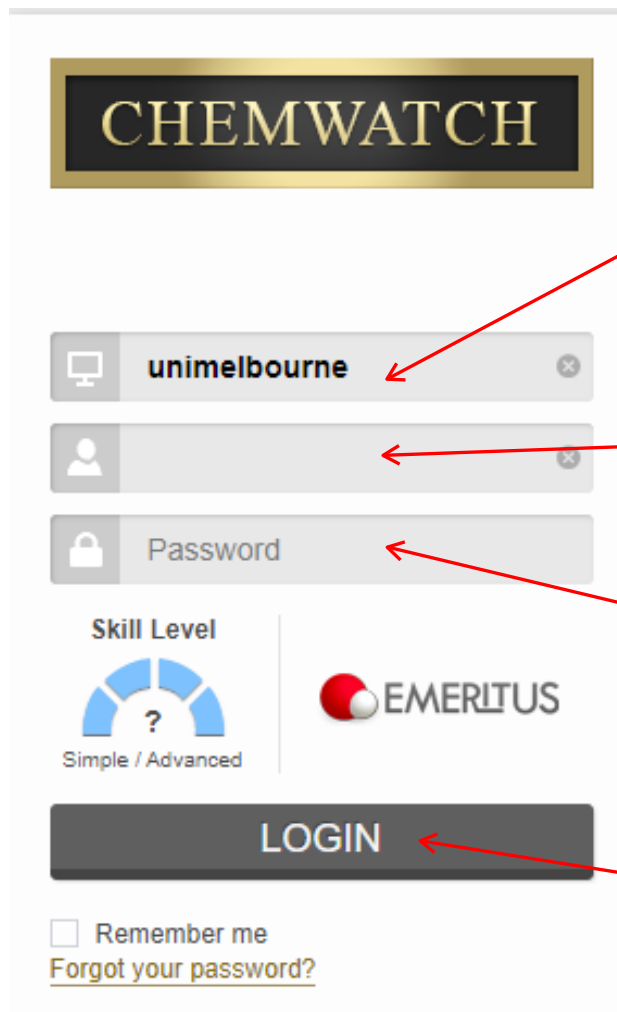
QR Codes

Once your chemical inventory is already uploaded in Chemwatch, QR codes can be made for a location where chemicals are kept. It can be for a chemical cabinet or a room.

Benefits:

- Provide you with a chemical inventory from your smart phone.
- Readily access to Safety Data Sheets (SDSs) for chemicals in a room/cabinet.
- Chemwatch will generally update the SDSs, therefore QR code will be linked to a current SDS.

Access your chemical inventory



The screenshot shows the Chemwatch login page. At the top is a gold-bordered box with the word "CHEMWATCH" in black. Below this are three input fields: the first contains "unimelbourne" with a red arrow pointing to it from instruction 1; the second is empty with a red arrow pointing to it from instruction 2; the third is labeled "Password" with a red arrow pointing to it from instruction 3. Below the fields are two options: "Skill Level" with a blue gauge icon and a question mark, and "EMERITUS" with a red and white sphere icon. A large dark grey "LOGIN" button has a red arrow pointing to it from instruction 4. At the bottom are checkboxes for "Remember me" and a link for "Forgot your password?".

1. Ensure the domain reads **unimelbourne**

2. Type in your user login

3. Enter your password

4. Log into the system



Navigation in Chemwatch

1. When you enter Chemwatch,
on the left-hand side, click D-Gen Lab

The screenshot displays the GOLD FFX Chemwatch interface. The top navigation bar includes version information (v. 1.1.64.32685.p), links for Live Help, Settings, and UI Language (set to English), and a UI toggle (Simple / Advanced). The main header features the GOLD FFX logo and a Filters: OFF button. The left sidebar contains navigation icons for Home, Risk Assess., D-Gen Lab (circled in red), Credo, Request, System Dashboard, and Chem Watcher. The main content area is divided into sections: a search bar with a 'Type in Material name, CAS No or CW No' prompt; a section for SDS and Labels with tabs for Gold SDS, Vendor SDS, Labels, and Mini SDS; a Tools section; and a Folder search section with a tree view showing COLLECTION, ENTERPRISE, FOLDERS, MANIFEST, and DELETED.

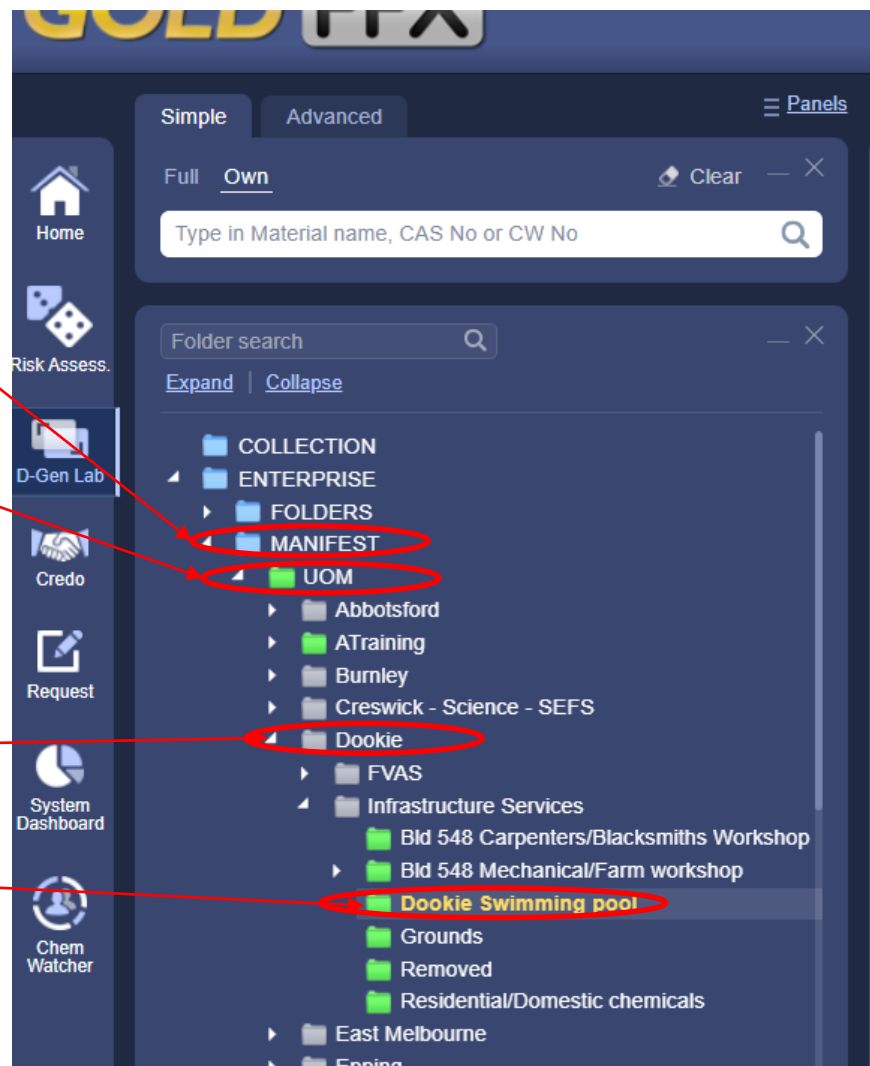


2. Select Manifest'

3. Select 'UOM'

4. Select 'Campus'

5. Select 'location'





Navigation in Chemwatch

6. Select 'add folder'

The screenshot displays the Chemwatch web application interface. On the left, a sidebar shows a hierarchical folder structure under 'COLLECTION' and 'ENTERPRISE'. The 'Dookie' folder is expanded, showing sub-folders like 'FVAS' and 'Infrastructure Services'. The 'Dookie Swimming pool' folder is highlighted. The main area shows a table with chemical data. At the bottom of the table, the 'ADD FOLDER' button is circled in red, with a red arrow pointing to it from the instruction box above. The table has columns for NAME, VENDOR, OTHER NAMES, and an 'ADD TO LIST' button for each row.

NAME	VENDOR	OTHER NAMES	
CALCIUM CHLORIDE DIHYDRATE	Thermo Fisher Scientific Australia Pty Ltd		<button>ADD TO LIST</button>
Granular Chlorine	POPS Group (The POPS Group Pty Ltd as Trustee for The Pool Shops Trust)		<button>ADD TO LIST</button>
HYDROCHLORIC ACID - 20% OR GREATER	Ixom Operations Pty Ltd		<button>ADD TO LIST</button>
POOL PRO CYANURIC ACID REAGENT	POPS Group (The POPS Group Pty Ltd as Trustee for The Pool Shops Trust)		<button>ADD TO LIST</button>
SODIUM HYDROGEN CARBONATE	RCI Labscan		<button>ADD TO LIST</button>



Navigation in Chemwatch

7. Select 'Gallery'

8. Select 'Create new template'

The screenshot displays the Chemwatch GOLD FFX interface. The top navigation bar includes a search icon, a 'Gallery' icon (circled in red), an 'Edit' icon, and a 'Print' icon. Below the navigation bar, the 'Selected Materials & Folders' section shows 'Dookie Swimming pool Folder' with 1 item. The main content area features a 'Default' tab and a 'Create New Template' tab (circled in red). A 'Create new template' dialog box is open, prompting the user to 'Please enter name:' and select a 'Template format' (currently set to 'Label'). The dialog box has 'SAVE' and 'CANCEL' buttons. The background shows a grid of material labels, including 'GHS 1 per A4_3 languages_Portrait', 'GHS 1 per A4_Portrait', 'GHS 2 per A4_Portrait', 'GHS 3 per A4_Portrait', 'GHS 14 per A4_Portrait', 'GHS small 27 per A4_Portrait', 'GHS+Transport 1 per A4_Landscape', and 'GHS+Transport 2 per A4_Portrait'.



Navigation in Chemwatch

9. Select the arrow in the dropdown box, then select 'FolderLabel'

10. Enter a suitable name

11. 'Save'

The screenshot displays the GOLD FFX Chemwatch web application interface. A 'Create new template' dialog box is open in the center, with three red circles highlighting the 'Please enter name:' text field, the 'Template format' dropdown menu (which is currently set to 'Label'), and the 'SAVE' button. Red lines connect the numbered instructions to these elements: instruction 9 points to the dropdown menu, instruction 10 points to the name input field, and instruction 11 points to the 'SAVE' button. The background shows a dashboard with a sidebar on the left containing navigation icons for Home, Risk Assess., D-Gen Lab, Create, Request, System Dashboard, and Chem Watcher. The main area displays a grid of material safety data sheets (MSDS) templates, such as 'GHS 1 per A4_3 languages_Portrait' and 'GHS 2 per A4_Portrait'. The top navigation bar includes the GOLD FFX logo, a search icon, a gallery icon, an edit icon, a print icon, and user information for 'unimelbourne | Administrator' with a 'Logout' link.



Printing set up

12. Select 'Barcode'

A screenshot of a software interface for printing setup. On the left is a vertical sidebar with icons for Home, Risk Assess., D-Gen Lab, Credo, Request, System Dashboard, and Chem Watcher. The main area has a top row of five circular icons: TEXT, GRAPHIC, SHAPE, BARCODE, and ADDITIONAL. The BARCODE icon, which shows a barcode, is circled in red. A red arrow points from a text box above to this icon. Below the icons are several configuration sections: 'Label Size' with Width 210mm and Height 297mm, a 'CHANGE' button, 'Zoom' with a slider from 50 to 300 and a 'Show Grid' checkbox, 'Preview' with a 'Preview Mode' checkbox and a 'PREVIEW OPTIONS' button, and 'Save Template' with a 'Template Name' field containing 'Test qr location room 2' and 'SAVE XML TO DISK' and 'SAVE TEMPLATE INTO DB' buttons.

Home

Risk Assess.

D-Gen Lab

Credo

Request

System Dashboard

Chem Watcher

TEXT GRAPHIC SHAPE **BARCODE** ADDITIONAL

Label Size

Width 210mm

Height 297mm

CHANGE

Zoom

50 100 150 200 250 300

☐ Show Grid

Preview

☐ Preview Mode

PREVIEW OPTIONS

Save Template

Template Name Test qr location room 2

SAVE XML TO DISK SAVE TEMPLATE INTO DB



Printing set up

13. Select 'qr-code' from the drop down arrow

14. Select 'Chemical Safety Advisories Link' from the dropdown arrow

15. Set the size of the QR code, this is down to personal preference

16. 'Save'

The image shows a 'Barcode Settings' dialog box with several sections and fields. Red circles and arrows highlight specific elements corresponding to the numbered instructions:

- Barcode Settings:**
 - Format:** A dropdown menu with 'qr-code' selected. (Annotated with 13)
 - Input:** A dropdown menu with 'Chemical Safety Advisories Link' selected. (Annotated with 14)
 - Orientation:** A dropdown menu with 'Landscape' selected.
- SIZE:**
 - Width:** A text field with '50 mm' and up/down arrows. (Annotated with 15)
 - Height:** A text field with '50 mm' and up/down arrows. (Annotated with 15)
- POSITION:**
 - Left:** A text field with '0 mm' and up/down arrows.
 - Top:** A text field with '0 mm' and up/down arrows.
- BORDER:**
 - Type:** A dropdown menu with 'None' selected.
 - Width:** A text field with '1 mm' and up/down arrows.
 - Colour:** A color selection box showing black and the hex code '#000000'.
- LAYER:**
 - Layer:** A text field with '0' and up/down arrows.
- Buttons:** At the bottom right, there are 'SAVE' and 'CANCEL' buttons. The 'SAVE' button is circled in red. (Annotated with 16)



Printing template

16. Select 'Preview mode' from the option to fill the blank template

17. Select 'Save template into DB'

18. Select 'Print'

The screenshot displays the LD FFX software interface. The top navigation bar includes a search icon, a gallery icon, an edit icon, and a print icon (circled in red). The left sidebar contains a toolbar with icons for Text, Graphic, Shape, Barcode, and Additional. Below the toolbar, the 'Label Size' section shows dimensions of 210mm width and 297mm height, with a 'CHANGE' button. The 'Zoom' section features a slider from 50 to 300 and a 'Show Grid' checkbox. The 'Preview' section has a 'Preview Mode' checkbox (checked) and a 'PREVIEW OPTIONS' button. The 'Save Template' section includes a 'Template Name' field with the text 'Test qr location room 2' and two buttons: 'SAVE XML TO DISK' and 'SAVE TEMPLATE INTO DB' (circled in red). The main workspace shows a large white area with a QR code (dashed border) in the center. Red arrows point from the numbered instructions to the corresponding UI elements: from instruction 16 to the 'Preview Mode' checkbox, from instruction 17 to the 'SAVE TEMPLATE INTO DB' button, and from instruction 18 to the 'Print' icon in the top bar.



19. Select 'Fill' to generate the QR code

20. Select 'Fill' to generate the QR code

FILLING

Language: English
Country: Australia
sds Format: GHS
Item(s): Infrastructure Services


FILL

PRINT OPTIONS

Unit of Length: mm
Page Width: 210.0
Page Height: 297.0
Label Width: 210.0
Label Height: 297.0
Number of Columns: 1
Number of Rows: 1
Left Margin: 0.0
Top Margin: 0.0
Horizontal Space: 0.0
Vertical Space: 0.0

SAVE

SAVE PDF **PRINT**

A square QR code is displayed in the center of a large white rectangular area, which is part of a larger dark blue interface. The QR code is black and white, and its position is indicated by a red arrow from the '20. Select 'Fill' to generate the QR code' instruction.



Final steps

Once you get the QR code for a location, you can print the QR code and stick it either at the door of the cabinet or at the entrance of a room.

To use the QR code is similar to using other QR codes:

1. Hover the camera on your smart phone on the QR code, press the link
2. The chemical inventory in that room will appear
3. Tap on 'link' to get the SDS of a particular chemical

9:39 ◀ Camera

CHEMICAL SAFETY ADVISORIES

06/07/2023 23:38

Hazard	CAT Name	CAS Number	Vendor	Hazard Codes	UN	DGC	PKG	Document
High	2,4-Dichlorophenoxyacetic acid	94-75-7	Sigma-Aldrich (Merck)	H302, H312, H317, H318, H332, H335, H351, H373, H412	None	None	Not	Link
High	Acetone	Not Avail"		H225, H304	1091	3	II	Link
High	Acetone	67-64-1		AUHO66, H225, H319, H336	1090	3	II	Link
High	Acetone	67-64-1	Sigma-Aldrich (Merck)	AUHO66, H225, H319, H336	1090	3	II	Link
High	Acetone	67-64-1		AUHO66, H225, H319, H336	1090	3	II	Link
High	Acetone	67-64-1	Thermo Fisher Scientific Australia Pty Ltd	AUHO66, H225, H319, H336	1090	3	II	Link

Link to the SDS



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Thank you

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