



THE UNIVERSITY OF  
MELBOURNE

# Printing QR codes containing updated Safety Data Sheets (SDS)

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Business Services

Health & Safety

Chemical Safety Consultant





# QR Codes

QR Codes are a convenient way to locate SDS for chemicals and compound chemical mixtures

Benefits:

Chemwatch will update the SDS' when possible. Generally, an SDS via the QR code will be linked to a current SDS



# Access your chemical inventory

The screenshot shows the CHEMWATCH login interface. At the top is the 'CHEMWATCH' logo. Below it are three input fields: a domain field containing 'unimelbourne', a user login field, and a password field. Below the password field is a 'Skill Level' selector with a gauge and a 'Simple / Advanced' option. To the right is the 'EMERITUS' logo. At the bottom is a large 'LOGIN' button, a 'Remember me' checkbox, and a 'Forgot your password?' link. Red arrows point from the instructions on the right to the domain field, the user login field, the password field, and the LOGIN button.

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

v. 1.1.64.45142.p Live Help Settings UI Language – English

# GOLD FFX

Simple / Advanced

Simple **Advanced** Query builder [Panels](#)

Full Own In-Tray Clear

Name Type in Name

Country Australia Language English

### SDS and Labels

Gold SDS	Vendor SDS
Labels	Mini SDS

### Tools

Expand Collapse

- COLLECTION
- ENTERPRISE



2. Select 'Gallery'

3. Select the tab 'User Defined'

4. In the search bar on the top right, type 'qr code', then search



Search



Gallery



Edit



Print

Default **User Defined** Create New Template

qr code|



27 labels per A4 Portrait page for Laboratory use



Chemistry Lv2 Teaching A4 1 per page



Chemistry Lv2 Teaching A4 1 per page (No popup)



Chemistry Lv2 Teaching A5 2 per page (No popup)



Chemistry Lv2 Teaching A5 2 per page



Chemistry Lv2 Teaching A6 4 per page Portrait



Chemistry Lv2 Teaching A6 4 per page Portrait (No popups)



Chemistry Lv2 Teaching 50x180



Chemistry Lv2 Teaching 30x115



Chemistry Lv2 Teaching 50x180 (material name)



simon test 2

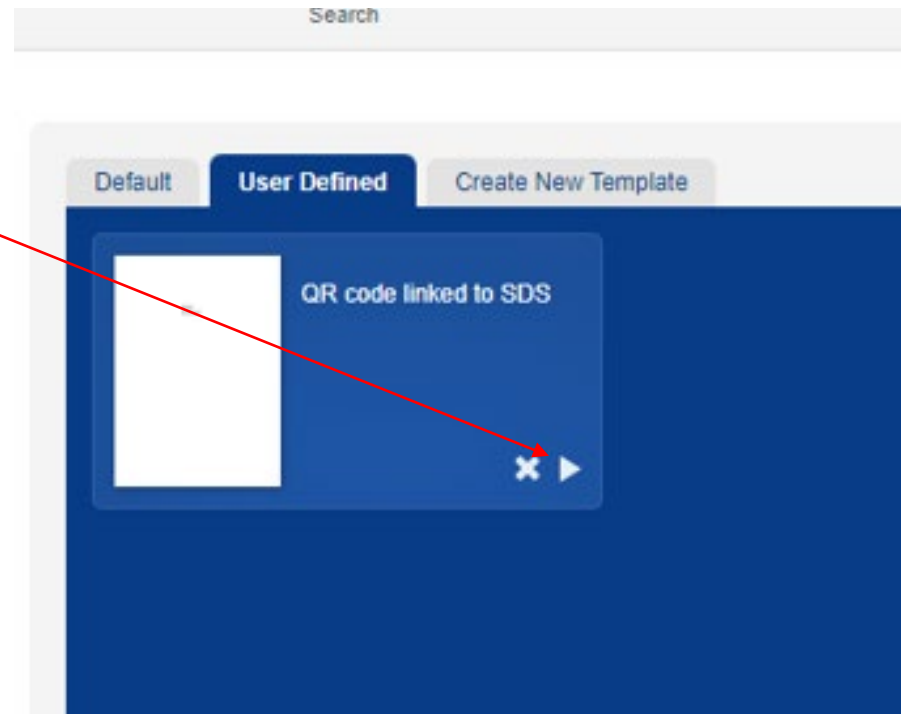


Chemistry Lv3 Teaching A5 2 per page (No popup)



# Loading your template

5. Hover over the template, bottom right hand corner, select





# Loading your template

6. Once this template has generated, we can alter the dimensions of the QR code. Select 'Edit' to enter

The screenshot shows the OLD FFX software interface. At the top left is the logo. A navigation bar contains 'Search', 'Gallery', and 'Edit' icons. Below this is a toolbar with icons for Text, Graphic, Shape, Barcode, and Additional. The main workspace is divided into a left sidebar and a right canvas. The sidebar has three sections: 'Label Size' (Width: 210mm, Height: 297mm, CHANGE button), 'Zoom' (slider from 50 to 300, Show Grid checkbox), and 'Preview' (Preview Mode checkbox, PREVIEW OPTIONS button). The right canvas shows a yellow rectangular element with a dashed border containing the text 'Barcode' and 'tinyVendorUrl'. A context menu is open over this element, showing 'Edit', 'Del', and 'Copy' options. A red arrow from the text box above points to the 'Edit' option in this menu.



# QR code's properties

7. Under 'Format' select 'QR code' from the drop down box;

Select 'External Vendor document link' under 'Input'

8. Here, we set up our preferred size of the QR code. Please enter this in 'mm' measurements.

The image shows a 'Barcode Settings' dialog box with the following sections and values:

- BARCODE SETTINGS**
  - Format: QR code
  - Input: External Vendor document link
  - Caption
  - Orientation: Landscape
- SIZE**
  - Width: 50 mm
  - Height: 20 mm
- POSITION**
  - Left: 0 mm
  - Top: 0 mm
- BORDER**
  - Type: None
  - Width: 1 mm
  - Colour: #000000
- LAYER**
  - Layer: 3

Buttons: SAVE, CANCEL





# Loading your template with Chemicals

9. Now that you have the template set up, we need to load your desired Chemicals. On the same page, click **'Search'**

A screenshot of a web application interface. At the top right, there are navigation links: 'unimelbourne | Administrator | Logout'. Below this is a horizontal toolbar with four icons: a magnifying glass labeled 'Search', a gallery icon labeled 'Gallery', a pencil icon labeled 'Edit', and a printer icon labeled 'Print'. The 'Search' icon is circled in red, and a red arrow points from the text box above to it. The main content area is a large white rectangle with a thin black border. Inside this rectangle, there is a smaller dashed-line rectangle containing the text 'Barcode' and 'tinyVendorUrl' on two lines.



# Loading your template with chemicals

11. Now you need to select the chemicals requiring an SDS, search by CAS no. as this will provide a more accurate result. Otherwise, you may navigate through the trees to find the desired chemical.

Simple Advanced Panels

Full Own Clear X

Type in Material name, CAS No or CW No

Folder search | Expand | Collapse X

- COLLECTION
- ENTERPRISE
- FOLDERS
- MANIFEST
- DELETED



# Adding your chemicals to the template

10. Using Dookie as an example, once you are in your desired location, you will see a list of chemicals currently stored on the premise. Select your chemicals which require the QR code and 'Add to list'

The screenshot shows a web application interface. On the left is a navigation pane with a search bar and a tree view of folders. The tree view includes 'COLLECTION', 'ENTERPRISE', 'FOLDERS', 'MANIFEST', and 'UOM'. Under 'UOM', there are several sub-folders, including 'Dookie' and 'Mechanics Workshop'. The main area on the right displays a table of chemicals. The table has columns for 'NAME', 'VENDOR', and 'OTHER NAMES'. Below the table, there are navigation controls and a 'CLEAR LIST' button. A red circle highlights the 'ADD TO LIST' buttons in the rightmost column of the table.

NAME	VENDOR	OTHER NAMES
569 THREAD SEALANT	Henkel	
Wurth Active Glass Cleaner	Multiple	
CRC Industries Aerostart	Multiple	
Anamet Lacquer Spray		
BLU-GOO		
BRIGHT ZINC SPRAY PAINT		
CARBURETTOR CLEANER Aerosol	Wurth (Wurth Australia)	
CIGWELD Avesta Pickling Paste		
CLNRADD-SPRINJSYS-PETROL		
CU800		



11. You will then see the chemicals you have selected appear in the above pane.

**CLEAR LIST**

ELEMENT NAME	ELEMENT TYPE	
Wurth Active Glass Cleaner	Material	<a href="#">DELETE</a>
CRC Industries Aerostart	Material	<a href="#">DELETE</a>
569 THREAD SEALANT	Material	<a href="#">DELETE</a>

1 10 items per page 1 - 3 of 3 items

**ADD SELECTED** **ADD FOLDER** > M > L > C > Ir > Bld 548 > [Mechanics Workshop](#)

NAME	VENDOR	OTHER NAMES	
569 THREAD SEALANT	Henkel		<a href="#">ADD TO LIST</a>
Wurth Active Glass Cleaner	Multiple		<a href="#">ADD TO LIST</a>
CRC Industries Aerostart	Multiple		<a href="#">ADD TO LIST</a>
Anamet Lacquer Spray			<a href="#">ADD TO LIST</a>
BLU-GOO			
BRIGHT ZINC SPRAY PAINT			
CARBURETTOR CLEANER Aeroso	Wurth (Wurth Australia)		
CIGWELD Avesta Pickling Paste			<a href="#">ADD TO LIST</a>
CLNRADD-SPRINJSYS-PETROL			



# Printing your QR code

12. Select 'Print'



Search



Gallery



Edit



Print

CLEAR LIST

ELEMENT NAME	ELEMENT TYPE	
Wurth Active Glass Cleaner	Material	<a href="#">DELETE</a>
CRC Industries Aerostart	Material	<a href="#">DELETE</a>
569 THREAD SEALANT	Material	<a href="#">DELETE</a>



# Printing your QR code

13. You will now return to your previous QR code template

14. Your items you have previously added will now appear in the dropdown box. Select your item.

15. Then select 'Fill' which will populate your QR code. Repeat for all remaining chemicals and you should be able to generate a QR code.

**FILLING**

Language:

Country:

sds Format:

Item(s):

**PRINT OPTIONS**

Unit of Length:

Page Width:

Page Height:

Label Width:

Label Height:

Number of Columns:

Number of Rows:

Left Margin:

Top Margin:

Horizontal Space:

Vertical Space:





# Printing your QR code

16. After each chemical has been created. Ensure you 'Print' then select a new chemical and repeat step 15 and 16

Note: After selecting print, attempt to scan the QR code on the computer screen to test. If these are not working, please contact Chemwatch or print the SDS as usual

**FILLING**

Language: English  
Country: Australia  
sds Format: GHS  
Item(s): CRC Industries Aerostart

**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

Buttons: FILL, SAVE, SAVE PDF, PRINT



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# Thank you

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Health and Safety