

Using GoldFFX to find safety data sheets

Before using or purchasing a chemical, it is important to consult its safety data sheet (SDS). GoldFFX has a database of 'Gold' SDSs in a consistent format that align with NZ regulations, as well as vendor-provided SDSs.

Access GoldFFX

Navigate to the databases section of the University library website, and search or browse for **GoldFFX**. Alternatively, here is the link:

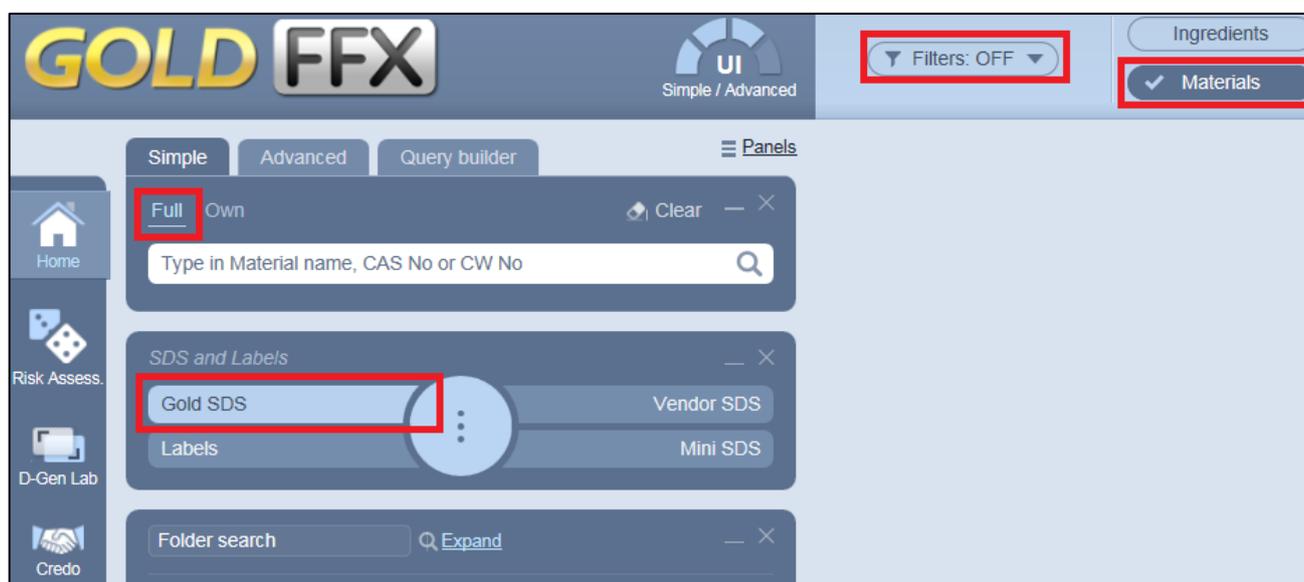
<http://www.library.auckland.ac.nz/databases/record/?record=chemweb>

This is what you should see once it opens:



Search for a Gold SDS

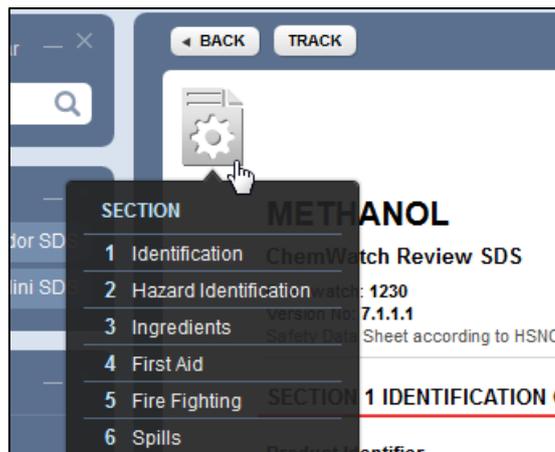
First, ensure the default settings are selected as highlighted in the screenshot below.



1. Type in a chemical name or CAS number to search for. You can either wait for suggested results to appear and select one, or just press the Enter key.
2. If the system finds an exact match, it will open the SDS automatically. If not, click on the name of the correct search result to open the SDS.
3. If no results are found, try an advanced search (see section below).

Navigate and interpret the Gold SDS

Hover the mouse cursor over the gear to open a quick-access menu. On the top menu you can choose to download or print the SDS too.



Hazard identification

There are a number of classifications and cues that provide information on the degree of hazard.

The Chemwatch hazard alert code and colour

Chemicals are rated 0-4, with 4 being the most hazardous.

RICIN	ChemWatch Hazard Alert Code: 4
ChemWatch Review SDS	Issue Date: 27/06/2017
Chemwatch: 4091-16	Print Date: 04/07/2019
Version No: 6.1.1.1	S.GHS.NZLEN
Safety Data Sheet according to HSNO Regulations	
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING	

Section 2 Hazards identification

This includes a bar graph indicator of the types and severity of hazards, hazard pictograms, and more detailed risk statements and HSNO criteria.

SECTION 2 HAZARDS IDENTIFICATION	
Classification of the substance or mixture	
Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Goods for transport purposes.	
CHEMWATCH HAZARD RATINGS	
Flammability 1	Min Max
Toxicity 4	0 = Minimum
Body Contact 1	1 = Low
Reactivity 1	2 = Moderate
Chronic 2	3 = High
	4 = Extreme
Classification [1]	Acute Toxicity (Oral) Category 2, Acute Toxicity (Dermal) Category 5, Reproductive Toxicity Category 2, Respiratory Sensitizer Category 1, Skin Sensitizer Category 1, Acute Toxicity (Inhalation) Category 2
Legend:	1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI
Determined by Chemwatch using GHS/HSNO criteria	6.1B (inhalation), 6.1B (oral), 6.1E (dermal), 6.5A (respiratory), 6.5B (contact), 6.8B
Label elements	
Hazard pictogram(s)	
SIGNAL WORD	DANGER
Hazard statement(s)	
H300	Fatal if swallowed.
H313	May be harmful in contact with skin.
H361	Suspected of damaging fertility or the unborn child.

Section 14 Transport Information

The UN transport class is important to note when purchasing or disposing of chemicals. Note that Packing Group 1 is the most hazardous, and for transport purposes only the most hazardous class is identified.

SECTION 14 TRANSPORT INFORMATION	
Labels Required	
	
Marine Pollutant	NO
HAZCHEM	2X
Land transport (UN)	
UN number	3462
UN proper shipping name	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (contains ricin)
Transport hazard class(es)	Class : 6.1
	Subrisk : Not Applicable
Packing group	I

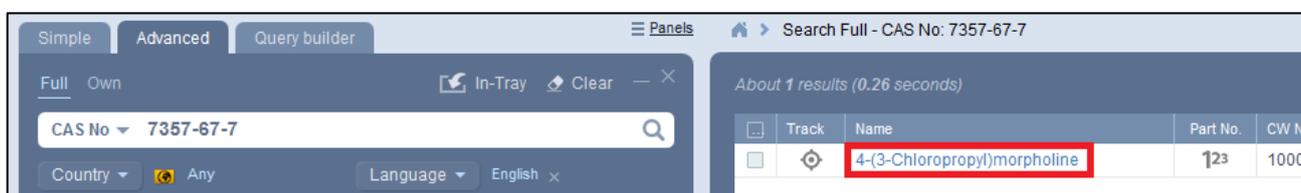
Advanced searching for uncommon chemicals

You can try searching for vendor-provided SDSs. Note that these will be presented in a variety of formats, and some will be clearer than others.

1. Click on the Advanced tab.
2. Select whether you are searching for a name or CAS number.
3. Remove the New Zealand filter.
4. Click the Vendor SDS button.
5. Then enter the search criteria and click the magnifying glass or press Enter.



If there is a result, click the correct name:



Then click the chemical name for the SDS you want to review.



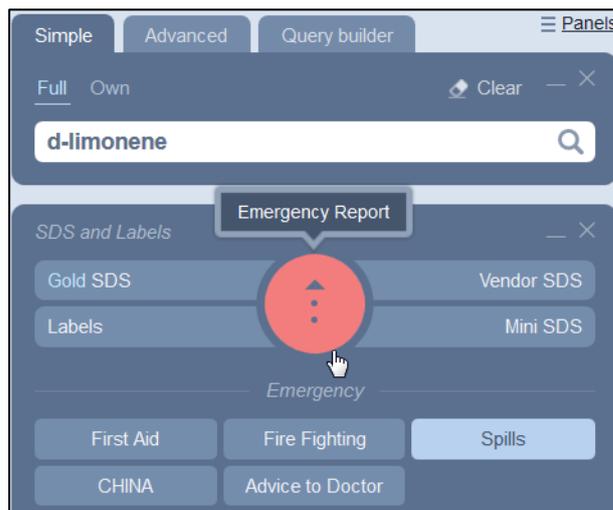
The screenshot shows the SDS review page for 'Material: 4-(3-Chloropropyl)morpholine'. The table lists the available SDSs:

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
	123	4-(3-Chloropropyl)morpholine	Santa Cruz Biotechnology	SDS	English	Canada	Secondary	05/03/2019
	123	4-(3-Chloropropyl)morpholine	Santa Cruz Biotechnology	SDS	English	United States	Secondary	05/03/2019

Other report types

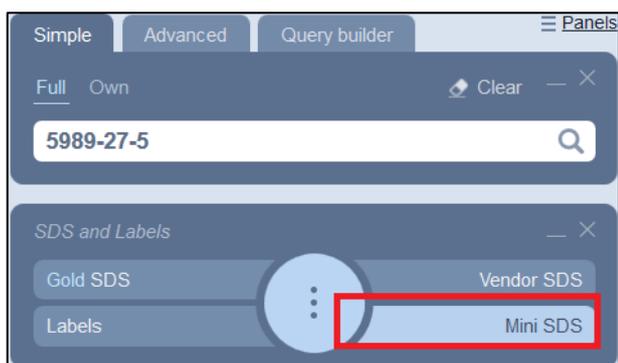
Emergency report

Click the central circle to view options for emergency reports. This is particularly useful for quick advice regarding spills, first aid, and providing information to emergency services.



Mini SDS

Select Mini SDS to see a summary SDS for quick reference



Example mini SDS:

Chemwatch: 2052-2 Chemwatch Hazard Alert Code: 2

NZ POISONS CENTRE 0800 764 766 | NZ EMERGENCY SERVICES: 111 - THIS IS A SUMMARY ONLY - FULL REPORT AVAILABLE

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Goods for transport purposes.

D-LIMONENE

INGREDIENTS	CAS NO	%	TWA
d-limonene	5989-27-5	>95	-

GHS	DG
	<p>UN No: 2319 Hazchem Code: 3Y DG Class: 3 Subsidiary Risk: Not Applicable Packing Group: III</p>

PROPERTIES
<p>Liquid. Does not mix with water. Floats on water. R01R10HAG18R08R19</p>

HEALTH HAZARD INFORMATION
<p>Gazetted by EPA New Zealand</p>

EMERGENCY

FIRST AID
<p>Swallowed: Give water (if conscious). Seek medical advice.</p> <p>Eye: Wash with running water.</p> <p>Skin: Remove contaminated clothing. Wash with soap & water.</p>

3.1C, 6.1E (oral), 6.3B, 6.4A, 6.5B (contact), 9.1A (crustacean), 9.1A (fish), 9.2B