

Quick Guide to Chemwatch (Gold FFX)

October, 2014

Chemwatch have now released a new version of Chemwatch – now called ‘Gold FFX’

The following is a quick summary guide for this new version.

Important notice regarding bookmarking Chemwatch – Please Read!

Unfortunately there is an issue with the way that the latest version of Chemwatch has been set up that causes issues with bookmarking this site. We have been provided with a link that automatically recognises when you are accessing the site from a University of Otago computer and then logs you straight in without requiring a username or password (based on recognising that the IP address of your computer is from the University of Otago). However, unfortunately there is an issue with the way this works that means that if you attempt to bookmark the website and then attempt to use this bookmark at a later date – you will get asked for a username and password. This guide contains instructions on how to set up a bookmark that will work. If you are still not able to get a functioning bookmark – contact the Lab Health and Safety Advisor (rob.mclaren@otago.ac.nz) to be provided with a username and password.

1. Accessing Chemwatch/Gold FFX

To access the latest version of Chemwatch click on the link below:

<http://jr.chemwatch.net/chemwatch.web/account/autologinbyip/>

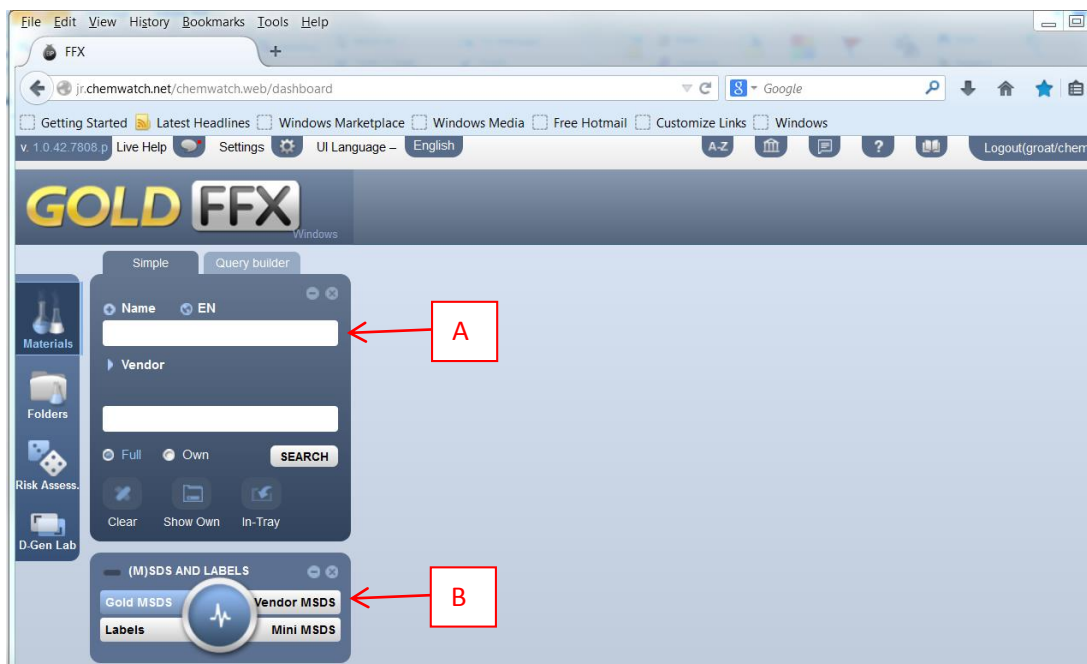
Note, this link can also be found on the Health and Safety Website.

This will take you to the Chemwatch (Gold FFX) dashboard.

Please note the comments above regarding bookmarking the site this link takes you to – instructions for making a functioning bookmark are provided under (7) and (8) at the end of this guide.

2. The Gold FFX dashboard.

- A. **Search window** – by default this is set to name – simply type in the name of the chemical you want to find and then click on ‘search’. To search by some other criterion (e.g. CAS No.) click on the ‘+’ symbol beside ‘Name’ and select what you want. Note, under the search pane the ‘full’ button should be filled in (as above).
- B. **MSDS settings** – by default this is set to ‘Gold MSD’. These are the full-length Chemwatch-authored MSDS and all written in a standardized way. However, if you prefer you can select ‘vendor MSDS’ for a copy of the original vendor MSDS (where available) or ‘mini MSDS’ for a one-page summary quick reference sheet.



3. Retrieving search results

When you search for a chemical (e.g. Sulfuric acid), Gold FFX will retrieve a list of chemicals corresponding to the search query – in many cases this will include a range of commercial products that contain the chemical as a major ingredient, and may also include entries for specific concentrations. You will need to scroll through these to find the one you want.

- A. Just click on the material name of the chemical you want to download the MSDS. Please note – this may take a moment or two (a download bar saying ‘rendering’ will usually appear).

The screenshot shows the Gold FFX web application interface. The search query is 'sulfuric acid'. The results table is as follows:

	TRACK	PART NO.	MATERIAL NAME	CAS NUMBER	VENDOR	SYNONYM	RELEVANCE
<input type="checkbox"/>			sulfuric acid	7664-93-9			100
<input type="checkbox"/>			Zimmit Sulphuric Acid SG 1.287			sulfuric acid	100
<input type="checkbox"/>			Asia Pacific Sulphuric Acid			sulfuric acid reagent	100
<input type="checkbox"/>			Bran & Luebbe Sulphuric Acid			sulfuric acid	100
<input type="checkbox"/>			MacDermid Sulphuric Acid (All Grades)			sulfuric acid	100
<input type="checkbox"/>			Deltrex Sulphuric Acid 6%			sulfuric acid 6%	97.33
<input type="checkbox"/>			sulfuric acid-D2	13813-19-9			96
<input type="checkbox"/>			sulfuric acid 15%				95.33
<input type="checkbox"/>			Core Cool 483			Sulfuric Acid 60%	95.33
<input type="checkbox"/>			Deltrex Chemicals Sulphuric Acid 73%			SULFURIC ACID 73%	95.33
<input type="checkbox"/>			sulfuric acid				94.67

A red box labeled 'A' is positioned over the 'sulfuric acid' entry in the first row of the table, with a red arrow pointing to the 'MATERIAL NAME' column.

4) Reading/printing MSDS

Once you have downloaded the MSDS, you can either -

- Scroll through the document on-screen.
- Click on the document icon at the top left of the MSDS to bring up a menu that you allows to go straight to a particular section of the MSDS.
- You can print the MSDS by clicking on 'Print' on the menu bar – this will download a *pdf* of the MSDS which you can then print.
- Click on 'Back' to go back to the search results if you realise you've selected the wrong item.

The screenshot displays the Chemwatch web interface for a Sulfuric Acid MSDS. The browser address bar shows 'jr.chemwatch.net/chemwatch.web/dashboard#'. The page header includes the 'GOLD FFX' logo and navigation options like 'New Zealand', 'English', 'GHS', 'Edit GS', 'Advanced', 'Print', 'Send to', and 'Save'. The search bar contains 'sulfuric acid' and the document title is 'Document: sulfuric acid (GOLD)'. The MSDS content includes the title 'SULFURIC ACID', a 'Not Available' status, and 'SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING'. A table lists product identifiers, chemical name, synonyms, shipping name, formula, and CAS number. Red annotations highlight the 'BACK' button (D), the document icon (A), the 'Not Available' text (B), and the 'Print' button (C).

Product name	SULFURIC ACID
Chemical Name	Not Available
Synonyms	150906, 66718, 67116, 74619, 77323, 86601, Deltrex, H2SO4, Ikon Sulfuric Acid - 98%, 000304426401, Nordhausen acid, Product Code: 1.12080, Pronalys BSPSL741, RIAI Sulfuric Acid 52-98%, Sulfuric Acid, 98% (Incitec), battery acid, black acid, dipping acid, hydrogen sulphate, oil of vitriol, smelter acid, sulphuric acid, sulphuric acid 1.84 Anal, 98%, vitriol brown oil
Proper shipping name	SULPHURIC ACID with more than 51% acid
Chemical formula	H2SO4
Other means of identification	Not Available
CAS number	7664-93-9

5. How do I find HSNO Classifications?

Either scroll to Section 2 (Hazards identification), or use the document button on the top left to pull up a list of sections and then click on 2 (Hazards Identification). The location of the HSNO classifications is circled in the image below.

The screenshot shows the Chemwatch web interface for a chemical named 'sulfuric acid'. The interface includes a search bar, navigation tabs, and a main content area. The main content area displays the following information:

- Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances Regulations and Dangerous Goods for transport purposes.**
- CHEMWATCH HAZARD RATINGS**

	Min	Max
Flammability	0	
Toxicity	3	
Body Contact	4	
Reactivity	2	
Chronic	4	

0 = Minimum
1 = Low
2 = Moderate
3 = High
4 = Extreme
- GHS Classification [1]**: Metal Corrosion Category 1, Acute Toxicity (Oral) Category 5, Acute Toxicity (Inhalation) Category 1B, Serious Eye Damage Category 1, Carcinogen Category 1, STOT - SE (Chronic Aquatic Hazard Category 3
- Legend:**
 - Classified by Chemwatch;
 - Classification drawn from CCID EPA NZ;
 - Classification drawn from Annex VI
- Determined by Chemwatch using GHS/HSNO criteria**: 6.1D(Inhalation), 6.1E(oral), 6.7A, 6.9A(inhalation), 8.1A, 8.2B, 8.3A, 9.1C(crustacea)
- Label elements**: Three GHS hazard pictograms (Corrosion, Health Hazard, and Environment).


6. How do I find Dangerous Goods classifications?

Either scroll to Section 14 (Transport), or use the document button on the top left to pull up a list of sections and then click on 14 (Transport).

The screenshot shows the FFX web application interface. The main content area displays the 'SECTION 14 TRANSPORT INFORMATION' for 'sulfuric acid (GOLD)'. The interface includes a search bar, navigation tabs, and a detailed table of transport data.

SECTION 14 TRANSPORT INFORMATION

Labels Required

	
Marine Pollutant	NO
HAZCHEM	2P

Land transport (UN)

UN number	1830
Packing group	II
UN proper shipping name	SULPHURIC ACID with more than 51% acid
Environmental hazard	No relevant data
Transport hazard class(es)	Class : 8 Subrisk : Not Applicable
Special precautions for user	Special provisions : Not Applicable Limited quantity : 1 L

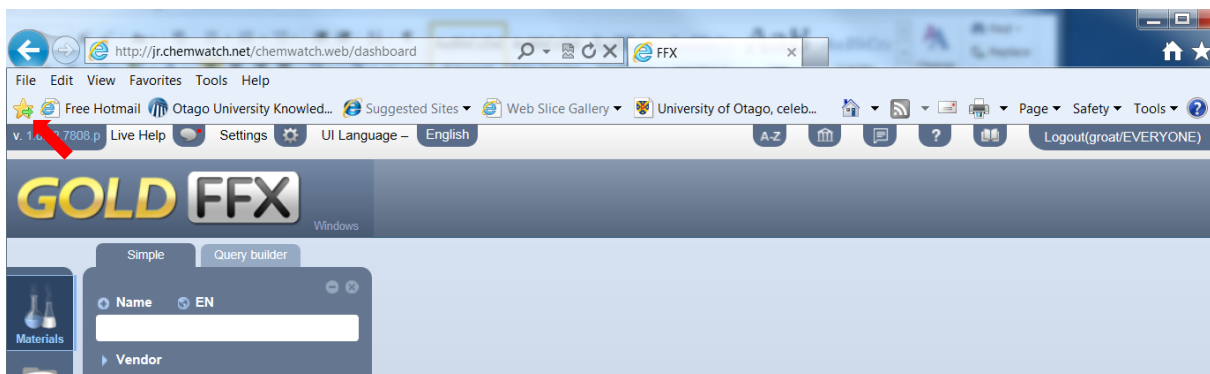
Air transport (ICAO-IATA / DGR)

7. Instructions for bookmarking Chemwatch using Internet Explorer

1) Use your Internet explorer to go to the web address below -

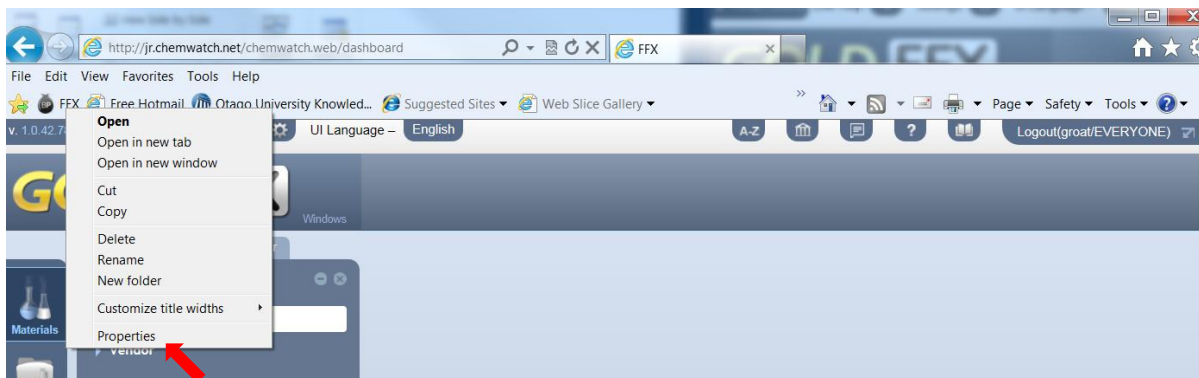
<http://jr.chemwatch.net/chemwatch.web/account/autologinbyip/>

This will take you directly to the Gold FFX dashboard - which should look something like the page below. However, notice that it actually redirects to you to a different address from the one you entered. If you simply bookmark this address it will not automatically login you back in next time you click on the bookmark. However, follow the instructions below to manually edit the bookmark to use the correct link above every time.



2) Click on the yellow star icon with the green arrow at the left of your bookmark toolbar (highlighted with red arrow above).

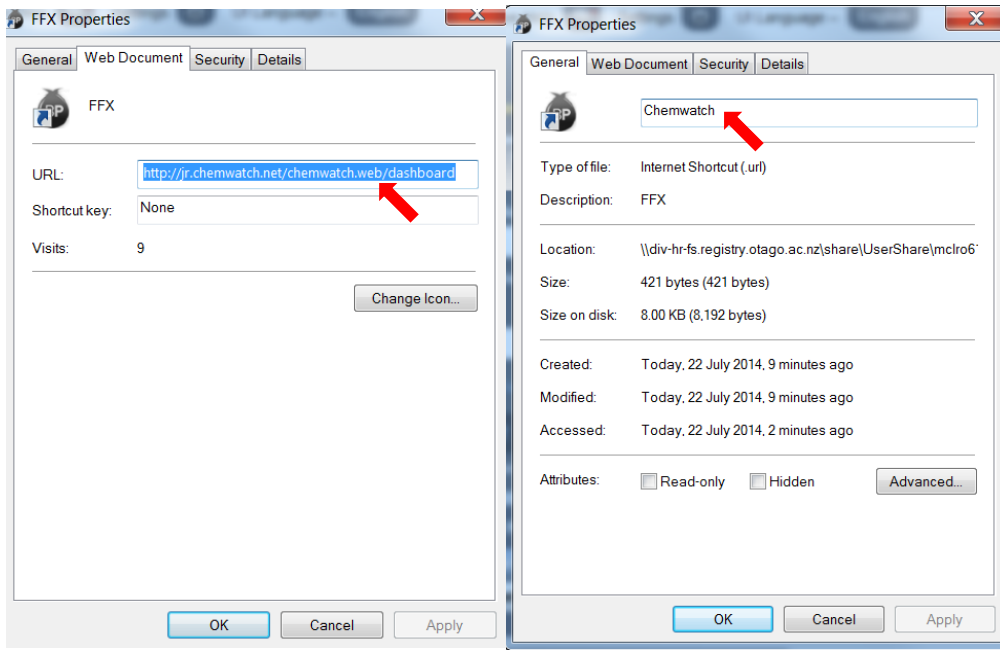
3) This adds a bookmark ('FFX') to your bookmark. Right-click on this bookmark and then click on 'properties' at the bottom of the menu that appears (highlighted with red arrow below).



4) The dialogue box shown below (left) will now appear. Under the **'web document'** tab – replace the web address given in the URL box with the web address given above in step 1.

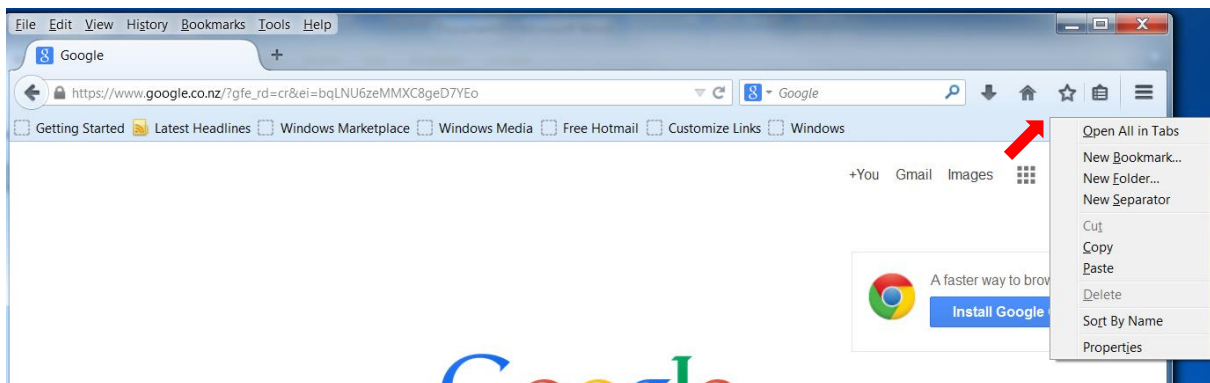
If you wish, you can also go into the **'General'** tab (below, right) and change the name of the bookmark from FFX to Chemwatch.

Now Click **'OK'** at the bottom of the dialogue box – you should now have a properly functioning bookmark for Chemwatch!



8. Instructions for bookmarking Chemwatch using Firefox

1) Open Firefox and right-click on the menu bar in the area under (but not on) the 'home button' and star icon (in area highlighted by red arrow below). This will bring up a menu as shown in the image below.



2) In the menu that appears, click on 'New bookmark'. This should bring up the dialogue box below. Under 'Name' just enter whatever you want to call the bookmark (e.g. 'Chemwatch') and under Location, cut and paste in the following web address:

<http://jr.chemwatch.net/chemwatch.web/account/autologinbyip/>

Then click 'Add' – you should now have a functioning bookmark for Chemwatch.

