



Chemwatch ChemFFX

Online MSDS and Emergency Reference Source

- General Overview -

Department of Environmental Health and Safety
January, 2022

Overview

- ChemFFX is a database developed and maintained by ChemWatch®. The repository encompasses detailed information about a vast number of chemicals. This data is commonly presented as either Chemwatch written (Gold) Material Safety Data Sheets or Vendor (supplier) written MSDSs or both. The Chemwatch written MSDSs is often preferable because it is more detailed, is available in multiple languages and is in a consistent format for easy reading.
- ChemFFX also provides direct emergency response information by category:
 - First Aid
 - Spills
 - Fire Fighting
 - Doctor

Document Objective

Once you have reviewed the following training material, you will be able to:

- Search for a Gold MSDS reference sheet (this will be your default search item as it is the most comprehensive material safety data sheet version)
- Search and print a Vendor MSDS, if required
- View multiple Vendor documents
- Obtain direct emergency response information by category: First Aid, Spills, Fire Fighting and Doctor
- Obtain on-line help if required
- Contact the appropriate Queen's University staff for any questions regarding ChemFFX.
- Confirm default software settings for ChemFFX.

Login

ChemFFX is only accessible while on Queen's Campus, using the Queen's network infrastructure. If remote access is required, please contact Ben Fiegen (contact information provided on "Questions?" page).

To access ChemFFX, launch your web browser and enter the following site address:

<https://jr.chemwatch.net/chemwatch.web/home>

Save this location as a "Favourite" in your web browser to allow for readily accessible access moving forward.

ChemFFX Main Window

Search engine. Default is Name/CAS#. Click drop down menu for additional search criteria options:

Name/CAS No	V
Name/CAS No	
CW No	
EINECS No	
UN No	
DG Class	
User Part No	
Vendor Part No	

Click the button that corresponds to the type of information you want to see. Selection can be made before or after a search. Your likely default will be **Gold MSDS "Long"**. This results in the most comprehensive MSDS online reference material.

Software Settings

The software settings dictate what is available to you and in what language preference. Take a moment to click the wrench that appears on the main screen.



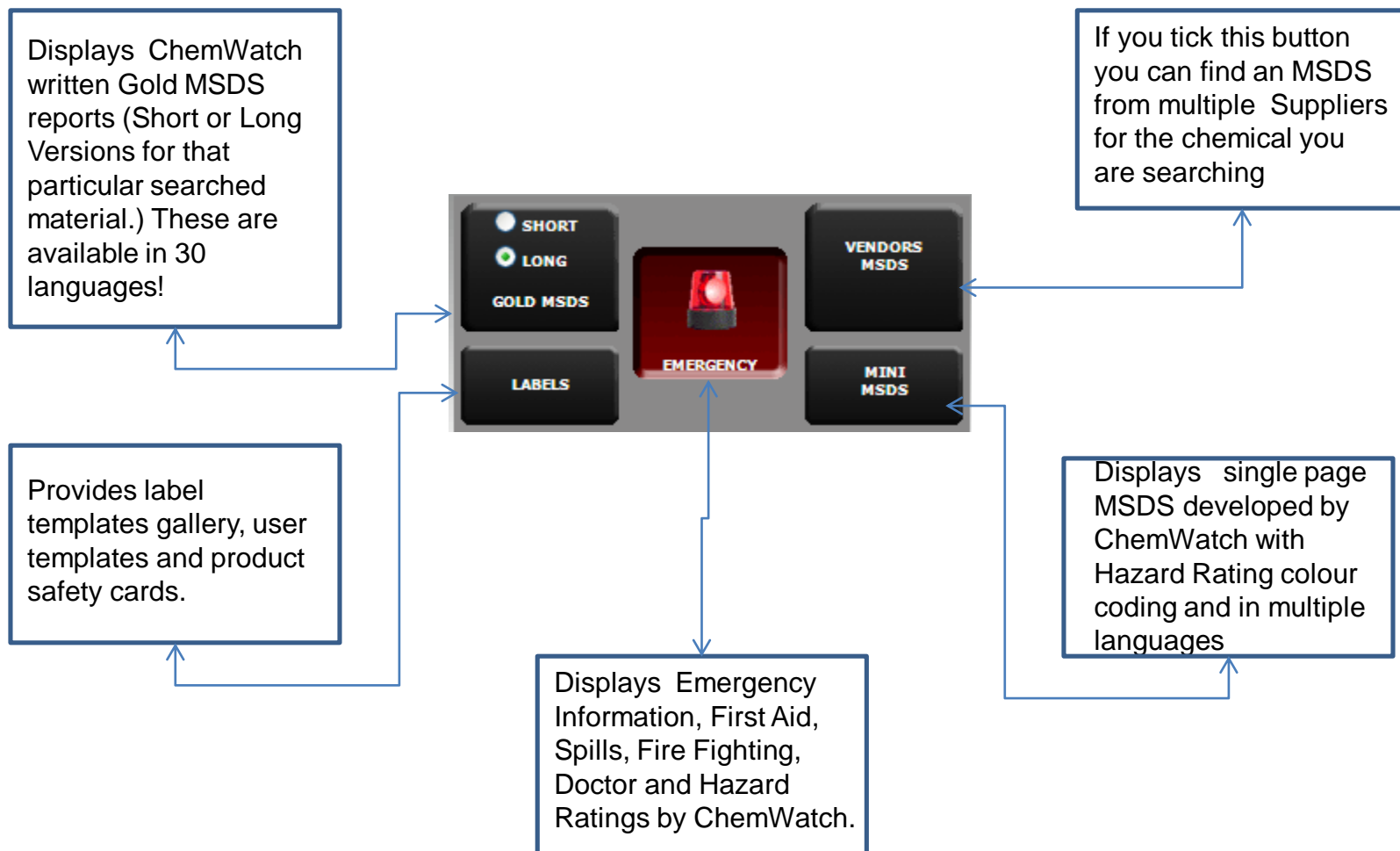
Your settings should be set as indicated below. If not, change them and then click the **Save** button.

FILTER SETTINGS		USER ACCESS		LOGO SETTINGS	
<div>Save Reset</div>					
CURRENT FILTERS					
Show Preferred Names:	<input type="checkbox"/>	Hide Gold MSDS:	<input type="checkbox"/>	Show only Gold:	<input type="checkbox"/>
		Concise MSDS:	<input type="checkbox"/>	Show Vendor:	<input type="checkbox"/>
Show Part number:	<input checked="" type="checkbox"/>	Show Crossover:	<input type="checkbox"/>		
		Latest documents only:	<input checked="" type="checkbox"/>		
Language:	English				
Country:	Please Select One...				
Type:	MSDS				
Source Type:	All				
Filters	Simple <input checked="" type="radio"/>	Advanced	<input type="radio"/>		

The Country setting of "Please Select One" ensures that MSDS from all countries of origin are available in a search request.

ChemFFX Search

Select the button that correspond to the information you wish to see. When searching for an MSDS, select the Gold MSDS Long option. These MSDS sheets are produced by ChemWatch, and are extremely comprehensive. Search for a Vendor MSDS if circumstances require you to do so.



ChemFFX Search – Gold MSDS

1. Enter CAS No. or Chemical name in the search field, or select a different search criteria from the drop down menu. You can key in the full name or just a few letters followed by the wildcard search (*). For example:

Make sure you click the **Clear** button when switching over to a different search, otherwise search results will be incorrect.

Reference Database
☒ Full ☐ Own **Show Own**

MATERIALS VENDOR

Name/CAS No WITH

2. Search results will be displayed in a separate window directly beneath the search pane.

Name/CAS No WITH

2206-26-0 (5 matches)

TRACK	PART NO.	ALL	CHEMICAL NAME	SYNONYM
		<input type="checkbox"/>	ACETONITRILE-D3	
		<input type="checkbox"/>	ACETYL CHLORIDE FOR SYNTHESIS	ACETONE-D3 DEUTERIERUNGSGRAD MIN.99.8% FÜR DIE KERNRESONANZSPEKTROSKOPIEN UVASOL
		<input type="checkbox"/>	ACETONITRILE-D3, 99.8 ATOM % D	
		<input type="checkbox"/>	MONOCLONAL ANTI-MU CALPAIN, LARGE SUBUNIT, CLONE 15C10, PURIFIED MOUSE IMMUNOGLO	
		<input type="checkbox"/>	ACETONITRILE-D3	

ChemFFX Search – Gold MSDS

3. Click the product name from the list of search results. Use the icons provided in the window to maximize/minimize a window, close the window, or print the contents within the window. Move your mouse over the icons for a description. Below is an example of a Gold MSDS (Long) for Acetonitrile-D3.

Move your mouse over the icons for a description.

Reference Database
Full Own **Show Own**

MATERIALS VENDOR

Name/CAS No V 2206-26-0 WITH ?

SEARCH CLEAR

BACK ACETONITRILE-D3 ? [Printer] [Envelope] [Document] [Window] [Close]

Chemwatch Material Safety Data Sheet
Issue Date: 19-Sep-2009

Version No:5

Chemwatch 1648-1
CD 2009/3

Hazard Alert Code: HIGH

SECTIONS [OPTIONS](#)

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
acetonitrile-D3

STATEMENT OF HAZARDOUS NATURE

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.
CONSIDERED A DANGEROUS SUBSTANCE ACCORDING TO DIRECTIVE 67/548/EEC AND ITS AMENDMENTS.
DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. According to the Criteria of NOHSC, and the

Click this bar to move to a specific section within the MSDS.

ChemFFX Search – Vendor MSDS

When required, you can reference the Vendor MSDS for a specific product.

The following Procedure steps through viewing a Vendor MSDS for “acetone”

1. Click the **Vendor MSDS** button to the left on the main screen. Search for acetone:

The screenshot shows the top section of the ChemFFX Search interface. On the left, there is a 'Reference Database' section with radio buttons for 'Full' and 'Own', and a red 'Show Own' button. To the right of this are two tabs: 'MATERIALS' and 'VENDOR'. Below the tabs is a search bar with the text 'Name/CAS No' and a dropdown arrow. The search term 'acetone' is entered in the bar. To the right of the search bar is a 'WITH' field and a red question mark icon. Below the search bar are two buttons: 'SEARCH' and 'CLEAR'.

2. All matching Vendor MSDS matches are reported in the search results pane.
Note: click any of the column headings that are underlined (e.g. Document Name, Vendor, Type) to sort the search results based on that criteria.

The screenshot shows the search results pane. At the top, there is a search bar with 'acetone' entered and a red question mark icon. Below the search bar are two buttons: 'SEARCH' and 'CLEAR'. Below the buttons is a red bar with a 'BACK' button and several icons. Below the red bar is a black bar with the text 'No of hits : 21' and two buttons: 'CLEAR' and 'FILTER'. Below the black bar is a table with the following columns: TRACK, PART NO., ALL, DOCUMENT NAME, VENDOR, TYPE, LANG, CTRY, SRC, ISSUE DATE. The table contains 7 rows of data.

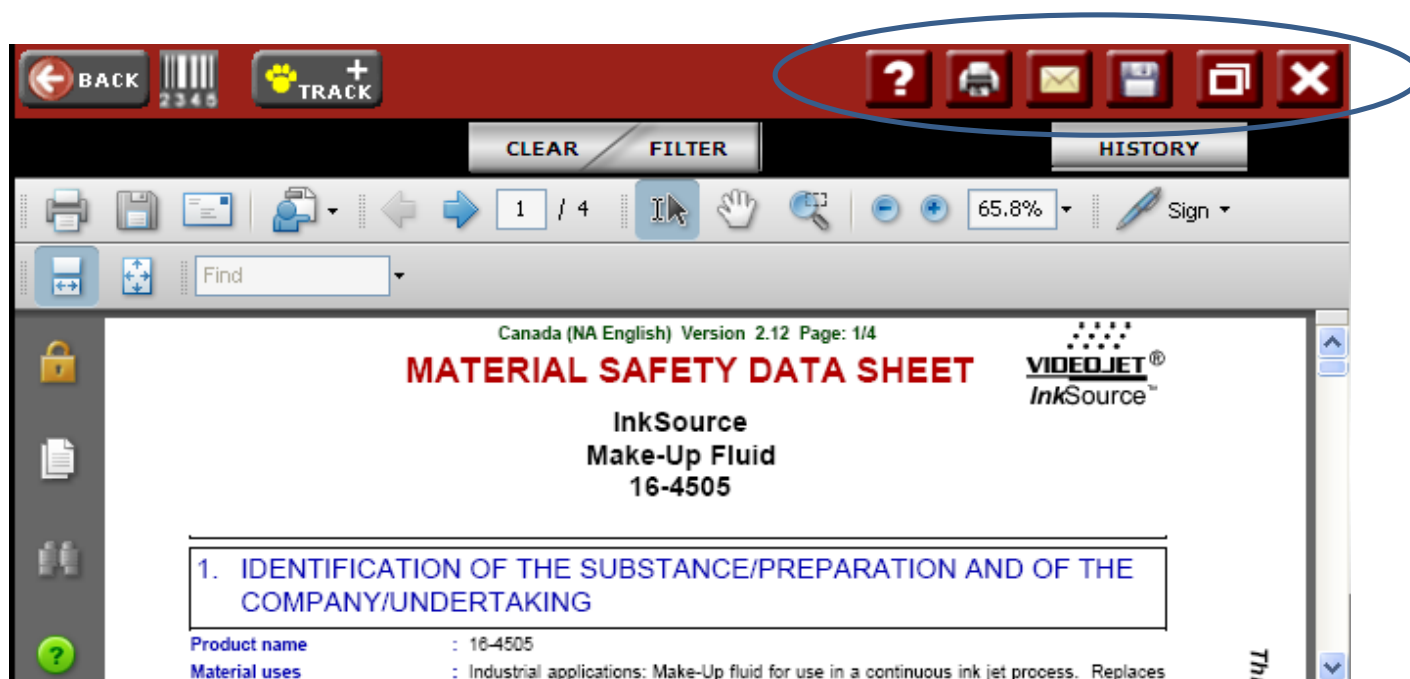
TRACK	PART NO.	ALL	DOCUMENT NAME	VENDOR	TYPE	LANG	CTRY	SRC	ISSUE DATE
		<input type="checkbox"/>	acetone	Videojet Technologies	MSDS	EN	CAN	P	2001-09-17
		<input type="checkbox"/>	acetone	Gentek	MSDS	EN	CAN	P	2001-04-01
		<input type="checkbox"/>	acetone	GE	MSDS	EN	CAN	P	2004-01-09
		<input type="checkbox"/>	ACETONE	Exxon	MSDS	EN	CAN	P	2002-02-28
		<input type="checkbox"/>	Acetone	Johnson Matthey	MSDS	EN	CAN	P	2007-04-04
		<input type="checkbox"/>	acetone	3M	MSDS	EN	CAN	P	1999-12-08
		<input type="checkbox"/>	acetone	Anachemia	MSDS	EN	CAN	P	2006-12-12

ChemFFX Search – Vendor MSDS

3. Click the document name.

The search pane is replaced, in this example, with the Vendor MSDS sheet selected.

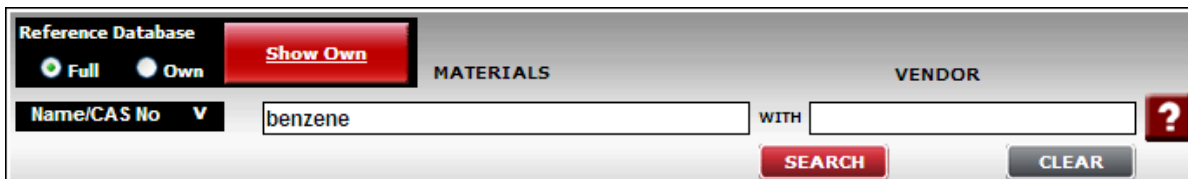
Use the icons provided in the window to maximize/minimize a window, close the window, or print the contents within the window. To print a PDF always use the PDF print icon within ChemFFX and **not** your browser print button.



ChemFFX Search – Emergency Response Detail

There may be occasion when you need direct access to Emergency Response detail. The following Procedure steps through viewing Emergency Response information for benzene.

1. Click the **Emergency** button to the left on the main screen. Search for benzene:



Reference Database: ☒ Full ☐ Own [Show Own](#)

MATERIALS VENDOR

Name/CAS No WITH [?](#)

[SEARCH](#) [CLEAR](#)

2. The search pane is replaced with the Emergency Response detail.



BACK BENZENE ? [Printer] [Email] [Save] [Print] [Close]

Emergency

First Aid Spills Fire Fighting Doctor

China
ERG/IERG
CHRIS
ERICards

BENZENE
CHEMWATCH 1114 CD 2009/3

HAZARD RATINGS

CHEMWATCH HAZARD RATINGS

Min Max

Click the appropriate icon to jump directly to the information you require.

On-Line Help/Reference

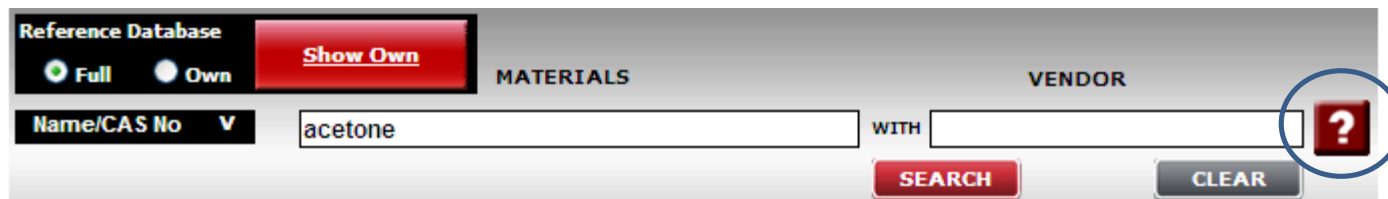
ChemFFX User Guide produced/maintained by ChemWatch®:

1. Click the “?” icon that appears at the very top right corner of the ChemFFX main window. This is a detailed user guide with some exercises.



ChemFFX Context Sensitive Help:

1. For directed help on a function you are using, click the “?” icon available with the function. For example, the question mark by the Vendor search provides detailed information on how to use the ChemFFX search engine.



Queen's University Department of Environmental Health and Safety

1. Go to <https://www.queensu.ca/risk/safety>
2. Click the Chemical tab for access to additional information



Questions?

If you come across any of the following issues, please contact Ben Fiegen, Queen's University Department of Environmental Health and Safety 613-533-6000 ext. 75119 or email fiegenb@queensu.ca:

- Inability to access ChemFFX
- Gold MSDS sheet unavailable or out of date
- Vendor MSDS sheet unavailable or out of date
- Any other questions, where you are in doubt

After Hours

If you require an MSDS reference sheet after hours and you do not have access to a computer, contact Queen's University Campus Security at 613-533-6733 (non-emergency Security line).