
Chemwatch How To.... Create Labels for Chemicals, Products & Mixtures.



GOLD **FFX**[®]

The Complete (M)SDS and Chemicals Management Solution

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Outline:

(i) Important Note!

Part A: Creating a label for a Chemical or Product already in Chemwatch

Part B: Creating a Mixture - Label / Mini-SDS

IMPORTANT NOTE!

Internet Explorer is **NOT** supported
by Chemwatch Developers

Use Mozilla **Firefox** or Google **Chrome**
when using Chemwatch!



Part A: Creating a label for a Chemical or Product already in Chemwatch

- Is Simple....
but relies on an understanding Chemwatch
- Need to be familiar with GUI and interfacing nuances



The screenshot shows the GOLD FFX web application interface. At the top left, the University of Queensland logo is visible. The main header includes the 'GOLD FFX' logo and navigation tabs for 'Simple' and 'Query builder'. The interface is divided into several sections: a search area with 'Name/CAS' and 'EN' fields, a 'Vendor' field, and a 'SEARCH' button; a section for '(M)SDS AND LABELS' with a circular icon; and a 'FOLDER SEARCH' section with a tree view showing folders like 'COLLECTION', 'ENTERPRISE', 'FOLDERS', 'MANIFEST', and 'DELETED'. Three red callout boxes with white text and red borders point to these sections: 'Searches performed here' points to the search fields, 'MSDS type, LABELS, emergency info accessed here' points to the MSDS section, and 'UQ Inventories accessed here only if you have authorised access' points to the folder search section. The bottom of the page includes a footer with 'Provided by ChemWatch - All rights reserved 2016' and a 'CHEMWATCH' logo.

Searches performed here

MSDS type, LABELS, emergency info accessed here

UQ Inventories accessed here only if you have authorised access

Search for the Chemical / Substance

v. 1.0.66.23679.p Live Help Settings UI Language – English

GOLD FFX

Windows SELECT HAZARD OFF INGREDIE... MATERIALS DASHBOARD

Simple Query builder

Name/CAS EN

methanol

Vendor

Full Own SEARCH

Clear Show Own In-Tray

SDS AND LABELS

Gold SDS Vendor SDS

Labels Mini SDS

TOOLS

FOLDER SEARCH: Expand

NAME	CAS	HAZARD CODES
METHANOL	67-56-1	H301, H311, H370, H336
methanol	67-63-0	H319, H336, AUH019
Methanol		
methanol (Drew Ameroid 0477 Methyl Alcohol)		H301, H311, H370, H336
Methanol (Mercury Chemicals Methanol)		H301, H311, H370, H336
methanol (Tokuyama TS-56 HF (B))		H301, H311, H370, H336
Methanol (Fisher Scientific 50.0% Methanol/50.0% Water)		H301, H311, H370, H336
Methanol (Colorado Rugged Windshield Wash - 20°F)		H301, H311, H370, H336
Methanol (Fisher Scientific Methyl Alcohol, 70%)		H301, H311, H370, H336
methanol (Inkjet Solutions MU-8700 Make-Up And Cleaning Soln.)		H301, H311, H370, H336
Methanol (Univar Methanol)		H301, H311, H370, H336
Methanol (MP Biomedicals Methanol)		H301, H311, H370, H336

Left click most suitable from selection here

Type chemical / substance here DON'T HIT ENTER!! Chemwatch will generate a list.

Pick from Selected List....

The screenshot shows the GOLD FFX software interface. At the top, there's a header with the logo and version information (v. 1.0.66.23679.p). Below the header, there's a search bar with the text "Search Full - Name/CAS : METHANOL". A table titled "Show Gold" is displayed, with columns "TRACK" and "MATERIAL NAME". The table contains one row with a target icon in the "TRACK" column and the text "methanol" in the "MATERIAL NAME" column. A red circle highlights this row. A red arrow points from a text box to the "Labels" option in the "SDS AND LABELS" section of the interface.

Windows

SELECT
HAZARD
OFF

DASHBOARD

Simple Query builder

Name/CAS EN
METHANOL

Vendor

Full Own

SEARCH

Clear Show Own In-Tray

SDS AND LABELS

Gold SDS Vendor SDS
Labels Mini SDS

TOOLS

FOLDER SEARCH:

Expand

Show Gold

TRACK	MATERIAL NAME
	methanol

Make sure you have selected 'Labels'

Label Gallery

Default vs User Defined Tabs

The screenshot shows a 'Label templates' window with two tabs: 'DEFAULT' and 'USER DEFINED'. The 'DEFAULT' tab is active, displaying a grid of 12 label templates. Each template card includes a thumbnail image and a description of the label's format and quantity per page. At the bottom of the window, there is a navigation bar with a page indicator (1 of 57 items) and a 'CANCEL' button.

Tab	Label Name	Description
DEFAULT	(Grid)	27 labels per A4 Portrait page for Laboratory use
DEFAULT	Material Name	1 label per A4 Landscape page in non-GHS format with Transport information
DEFAULT	Supplier Full Info	2 labels per A4 Portrait page in non-GHS format
DEFAULT	Supplier Full Info	2 labels per A4 Portrait page in NZ format with Transport information
DEFAULT	Supplier Full Info	4 labels per A4 Portrait page in NZ format
DEFAULT	ADR Shipping Name	A4 size Landscape Transport label
DEFAULT	ADR Shipping Name	A4 size Portrait Transport label
DEFAULT	Material Name	3 Conical labels per A4 Portrait page in GHS format
DEFAULT	Material Name	1 medium size Conical label per A4 Landscape page in non-GHS format
DEFAULT	Material Name	1 label per A4 Landscape page in NZ format with transport information
DEFAULT	Supplier Full Info	2 labels per A4 Portrait page in NZ format
DEFAULT	Product Name	1 label per A3 Portrait page in non-GHS format with Transport information

Select TAB
Choose size/type required in GHS format
Hover over..
Click on **ARROW**

Finished Label – Save as PDF

DANGER

METHANOL

Hazard Statements
Highly flammable liquid and vapour.; Toxic if swallowed.; Toxic in contact with skin.; Fatal if inhaled.; Causes damage to organs.; May cause drowsiness or dizziness.

Contains:
METHANOL, 67-56-1, >98 %

Precautionary Statements
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.; IF exposed: Call a POISON CENTER or doctor/physician.; Specific treatment is urgent (see advice on this label); Specific measures (see advice on this label); Rinse mouth.; Wash contaminated clothing before reuse.; In case of fire: Use alcohol resistant foam or normal protein foam for extinction.; IF ON SKIN: Wash with plenty of soap and water.; IF ON




REFER TO CHEMWATCH MSDS FOR FULL DETAILS

**Chemwatch
Number: 1230**



Bayer
CropScience; 3
Argus Place
Glenfield
Auckland
Australia; +64 9
443 3093; +64 9
443 3094

DANGER

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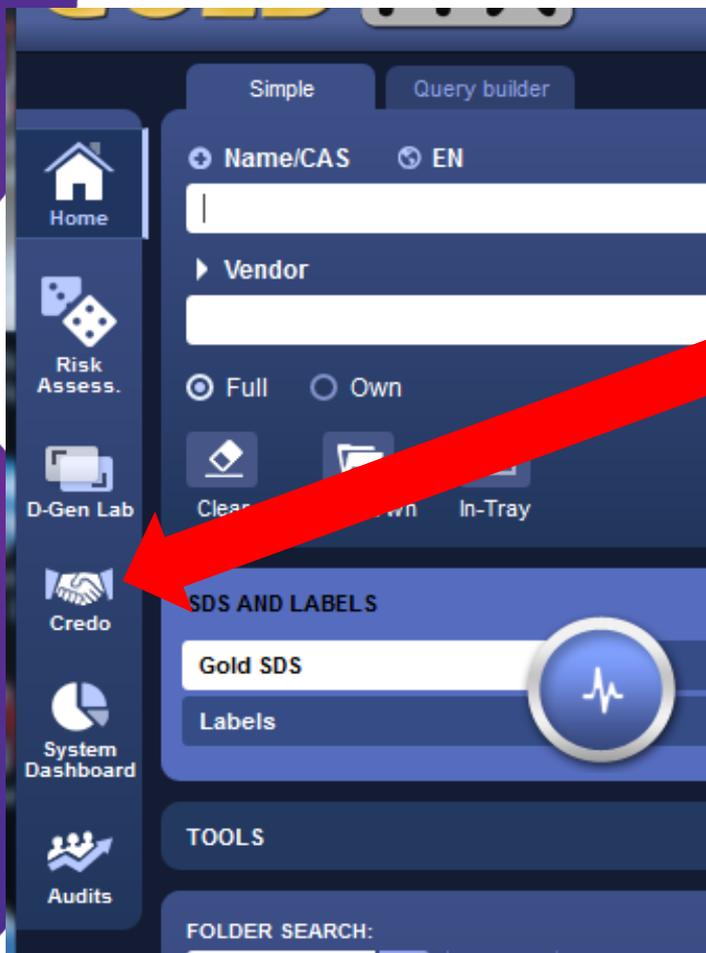


**Chemwatch
Number: 1230**

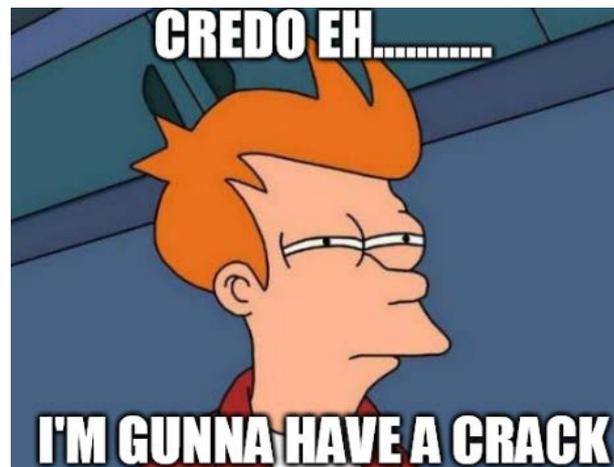


Bayer
CropScience; 3
Argus Place

Part B: Creating a Label for a Chemical Mixture or Product Not Already Listed in Chemwatch



Access **CREDO** module here.



Credo GUI

The screenshot displays the Credo GUI interface. On the left is a vertical sidebar with navigation icons for Home, Risk Assess., X-Gen Lab, Credo, System Dashboard, and Audits. The main area is divided into a 'SEARCH PANEL' and a table of materials.

SEARCH PANEL (NEW):

- PRODUCT IDENTIFICATION:
 - Material Name:
 - Catalogue Number:
 - REACH Reg. No.:
 - Issue Date: 09/03/2017
 - CAS No.:
 - EC No.:
 - Uses:
 - REACH Uses:
 - Synonyms:
- MANUFACTURERS DETAILS:
- CREDITE POSTER:
- REVIEW INGREDIENTS:
- REVIEW CLASSIFICATION:
- DAINGEROUS GOODS:
- OFF SUGGEST OFF PUBLISH SUBMIT

Table of Materials:

HAZARD	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE
<input type="checkbox"/>	Cobalt chloride solution	0.6	08/03/2017	1
<input type="checkbox"/>	Utex	0.2	03/03/2017	UQBR
<input type="checkbox"/>	DCM-MeOH mixture	0.4	27/02/2017	12345
<input type="checkbox"/>	Hexane-Ethyl Acetate mixture	0.2	27/02/2017	12345
<input type="checkbox"/>	1X TBS H315 (Cat 2)	0.3	24/02/2017	Homer Gr
<input type="checkbox"/>	1X TBST H315 (Cat 2)	0.4	24/02/2017	Homer Gr
<input type="checkbox"/>	10X TBS H315 (Cat 2)	0.3	24/02/2017	Homer La
<input type="checkbox"/>	Tris-EDTA + 0.5% Tween	0.2	22/02/2017	Homer Gr
<input type="checkbox"/>	water sterile	0.1	22/02/2017	7732-18-E
<input type="checkbox"/>	10X Transfer Buffer	0.2	22/02/2017	Homer Gr

Callouts:

- A red box labeled "Number of tabs here" points to the 'OFF' switches for 'SUGGEST' and 'PUBLISH' in the search panel.
- A red box labeled "Correct selection of items per page required..." points to the pagination controls at the bottom of the table, which show '10' items per page.

Important – Turn On!!
Switches will turn green!

Correct selection of items per page required...

Product Identification Tab

SEARCH PANEL

NEW

PRODUCT IDENTIFICATION

Material Name

Catalogue Number

REACH Reg. No.

Issue Date 28/03/2017

CAS No. ?

EC No.

Uses

REACH Uses

Synonyms

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

REVIEW CLASSIFICATION

DANGEROUS GOODS

OFF SUGGEST OFF PUBLISH SUBMIT

Insert Product Name

**Insert Catalogue Number –
this must be entered.
It can be anything you like.**

Manufacturer's Tab

SEARCH PANEL + ×

NEW

PRODUCT IDENTIFICATION ▼

MANUFACTURERS DETAILS ▲

Company Name +

Address

Telephone 1

Telephone 2

Emergency Organisation

Emergency 1

Other Emergency Number

Fax

Email

Website

CREDITE POSTER ▼

REVIEW INGREDIENTS ▼

REVIEW CLASSIFICATION ▼

DANGEROUS GOODS ▼

OFF SUGGEST OFF PUBLISH

Enter your UQ
Organisation Unit
details

Credite Poster Tab

NEW

PRODUCT IDENTIFICATION ▼

MANUFACTURERS DETAILS ▼

CREDITE POSTERI ▲

NAME/CAS NO.	PROPORTION %
1	
2	
3	

State

Water Solubility

pH pH as a solution
at %

Flash Point (C) SG/Density (g/cm3)

Lower Explosive Limit (%) Upper Explosive Limit (%)

Boiling point/Range (C) Melting point/Range (C)

Autoignition Temperature (C) Decomposition Temperature (C)

Volatiles (%vol) Molecular Weight

Relative Vapour Density Vapour Pressure (kPa)

Viscosity (cSt) Total VOC g/l

Evaporation Rate BuAC = 1 ▼

Appearance **MORE**

REVIEW INGREDIENTS ▼

REVIEW CLASSIFICATION ▼

DANGEROUS GOODS ▲

Enter Ingredient Name or CAS number (don't hit return) – pick from generated list.

Enter Ingredient Proportion

Enter any further physical property information you may have on mixture.

Using Ingredient Molarity Rather than Percentage to Enter Ingredients in Credo

Example: NaCl (0.8M) and NaHCO₃ (0.2M) Aqueous Solution

CREDITE POSTERI

NAME/CAS NO.	PROPORTION (M)
1 sodium chloride	0.8
2 sodium bicarbonate	0.2
3 water	Balance
4	

State Liquid

To select **Molarity** rather than **%**, click here.

To add Water as Balance:

- Click on Question mark in this field
- Select Balance

A dialogue box may ask you to enter the molecular weight of salts in your mixture. You may also be prompted to enter the molecular weight of water, or the SG (specific gravity) of water:

Molecular weight of water = 18; specific gravity of water = 1

REVIEW INGREDIENTS

GHS(CLP) C&L
 HAZARD PLUS SANITISED VIEW

NAME/CAS NO.	PROPORTION %
sodium chloride H315 (Cat 2), H319 (Cat 2A), H335 (Cat 3)	0.259733333333
sodium bicarbonate	0.093333333333
water	99.6469333333

Percentages are then calculated within the 'Review Ingredients' tab.

Review Ingredients Tab

NEW

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

ON GHS(CLP) **OFF** C&L

OFF HAZARD PLUS **OFF** SANITISED VIEW

NAME/CAS NO.	PROPORTION %
EDTA	6
H319 (Cat 2)	94
water	94

REVIEW CLASSIFICATION

DANGEROUS GOODS

Make sure the GHS switch is turned on (Green)

Click here for each ingredient in the mixture & edit GHS properties further

Review Ingredients Tab (continued)

Review Ingredient [X]

Ingredient Name:

Catalogue Number:

Cas No: ?

Risk Codes:

GHS(CLP): OFF

<input type="checkbox"/>	R1	Explosive when dry.
<input type="checkbox"/>	R2	Risk of explosion by shock, friction, fire or other sources of ignition.
<input type="checkbox"/>	R3	Extreme risk of explosion by shock, fire, friction or other sources of ignition.
<input type="checkbox"/>	R4	Forms very sensitive explosive metallic compounds.
<input type="checkbox"/>	R5	Heating may cause an explosion.
<input type="checkbox"/>	R6	Explosive with or without contact with air.
<input type="checkbox"/>	R7	May cause fire.
<input type="checkbox"/>	R8	Contact with combustible material may cause fire.

A catalogue number must be entered.

Click on the GHS switch to turn this on (will turn Green)

Repeat this for all ingredients!

Review Classification Tab

SEARCH PANEL

NEW

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTERI

REVIEW INGREDIENTS

REVIEW CLASSIFICATION

ON GHS(CLP) OFF HAZARD PLUS

Generated Deleted UserDefined

H318 (Cat 1)

<input type="checkbox"/>	H315	Skin Corrosion/Irritation Category 2
<input type="checkbox"/>	H317	Skin Sensitizer Category 1
<input type="checkbox"/>	H317	Skin Sensitizer Category 1A
<input type="checkbox"/>	H317	Skin Sensitizer Category 1B
<input checked="" type="checkbox"/>	H318	Serious Eye Damage Category 1
<input type="checkbox"/>	H319	Eye Irritation Category 2A
<input type="checkbox"/>	H330	Acute Toxicity (Inhalation) Category 1
<input type="checkbox"/>	H330	Acute Toxicity (Inhalation) Category 2
<input type="checkbox"/>	H331	Acute Toxicity (Inhalation) Category 3
<input type="checkbox"/>	H332	Acute Toxicity (Inhalation) Category 4
<input type="checkbox"/>	H334	Respiratory Sensitizer Category 1

DANGEROUS GOODS

Make sure the checkbox for each of the ingredient's applicable Hazard Statements is selected.

Dangerous Goods Tab

DANGEROUS GOODS

UNID Number	<input type="text"/>	Q	DG Class	None	▼
Sub Risk 1	None	▼	Sub Risk 2	None	▼
Packing Group	None	▼	Poisons Schedule	<input type="text"/>	
Shipping Name	None				
N.O.S. Inq lookup	<input type="text"/>				

ON ON

If you have an SDS for the product you are entering:
Find the required information in Section 14 of the SDS.

Dangerous Goods Tab: UN Number

If you do not have an SDS for the product or mixture, you are going to require the SDS's for all components of your product/mixture. See section 14 of each of the SDS's.

Place the most ideal UN number in the UN/ID field (this should be based on the properties of the mixture.....

Hot Tip: see Wikipedia for list of UN numbers

Example:

Mixture 1

Toluene	70%
Hydrochloric acid	10%
Water	20%

Determining UN Number This would be classified for transport as a flammable liquid (due to toluene) and a corrosive liquid (due to hydrochloric acid), therefore choose IATA classification:

Flammable liquid, corrosive, N.O.S.*

This selection has UN number UN2924, so place **2924** in the UN number field.

Dangerous Goods Tab: N.O.S. Ingredient Lookup

Determining if we need N.O.S. ING lookup:

If the proper shipping name contains **N.O.S.***, we need to list the hazardous constituents of the mixture as part of the shipping name.

Click on the blue **N.O.S. Ing lookup field** and select the hazardous components of the mixture

In Example 1 from above: toluene and hydrochloric acid would be selected by clicking the selection boxes next to them. This results in the correct shipping name:

Flammable liquid, corrosive, N.O.S.* (contains toluene, hydrochloric acid)

Dangerous Goods Tab: Packing Group

Determining Packing Group:

Look at section 14 in each of the ingredient SDS's and choose the highest hazard group:

Note:

Highest Hazard = PG I

Medium Hazard = PG II

Lowest hazard = PG III

In Example 1:

From SDS's of ingredients for this mixture, Toluene and HCl both have PG II, so select **PG II**.

Publishing a Mini SDS and Printing a Label

Once you are happy that all information is correctly entered, you can hit the **PUBLISH button** at the bottom of the Credo menu. A Mini-SDS should be rendered, showing all GHS and transport label requirements. The Mini-SDS will be stored within the Chemwatch Database.

Printing a Label:

In order to print a label for the mixture you have created, go back to the list of mixtures produced in Credo and navigate to the SDS ETC column. Hover the mouse cursor over the written page/tick icon for the appropriate mixture. A sub menu will appear with **LOC! & LABEL icons**. Left click on the purple **LABEL icon**. The Label Gallery will appear, whereupon you may select a suitable label for GHS compliance, or transport purposes.

Important Notes:

Finding the Mini SDS again:

Once the mini SDS is created, you can go back to the HOME module and search for the product/mixture you have just generated. Ensure the **FULL selection button** is selected. **USE THE MINI SDS search, not the GOLD SDS search** (click on MINI SDS in the 'SDS and Label' menu area so that 'MINI SDS' is highlighted).

Chemical Inventory: Placing the Mini SDS into your Room Inventory

Once you search for the product in MINI SDS and it appears – don't left click on it to bring up the SDS, but use the cursor to hover over the name and right click and you can simply copy it and then open the manifest folder of the room into which it is to be and pasted, right click and paste it into the highlighted folder, as per any other SDS searched for.

Mission complete.....

