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



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 displays the GOLD FFX web application interface. At the top, a navigation bar includes the logo, version information (v.1.0.56.17751.p), and links for Live Help, Settings, and UI Language. The main interface is divided into a left sidebar with navigation icons (Home, Risk Assess., D-Gen Lab, Credo, System Dashboard, Audits) and a central content area. The content area has tabs for 'Simple' and 'Query builder'. The 'Simple' tab is active, showing a search form with fields for 'Name/CAS' and 'Vendor', a 'SEARCH' button, and radio buttons for 'Full' and 'Own'. Below the search form are buttons for 'Clear', 'Show Own', and 'In-Tray'. A section titled '(M)SDS AND LABELS' contains a circular icon and a list of items: 'Gold (M)SDS', 'Vendor (M)SDS', 'Labels', and 'Mini (M)SDS'. At the bottom, a 'FOLDER SEARCH' section shows a tree view with folders: 'COLLECTION', 'ENTERPRISE' (expanded), 'FOLDERS', 'MANIFEST', and 'DELETED'. Three red callout boxes with arrows point to specific features: the first points to the search form, the second points to the '(M)SDS AND LABELS' section, and the third points to the 'FOLDER SEARCH' tree view.

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

Home Risk Assess. D-Gen Lab Credo System Dashboard Audits

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		
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

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

Left click most suitable from selection here

Pick from Selected List....

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

GOLD FFX

Windows

SELECT
HAZARD
OFF

DASHBOARD

Simple Query builder

Home

Risk Assess.

D-Gen Lab

Credo

System Dashboard

Audits

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

Search Full - Name/CAS : METHANOL

Show Gold

TRACK	MATERIAL NAME
	methanol

Make sure you have selected 'Labels'

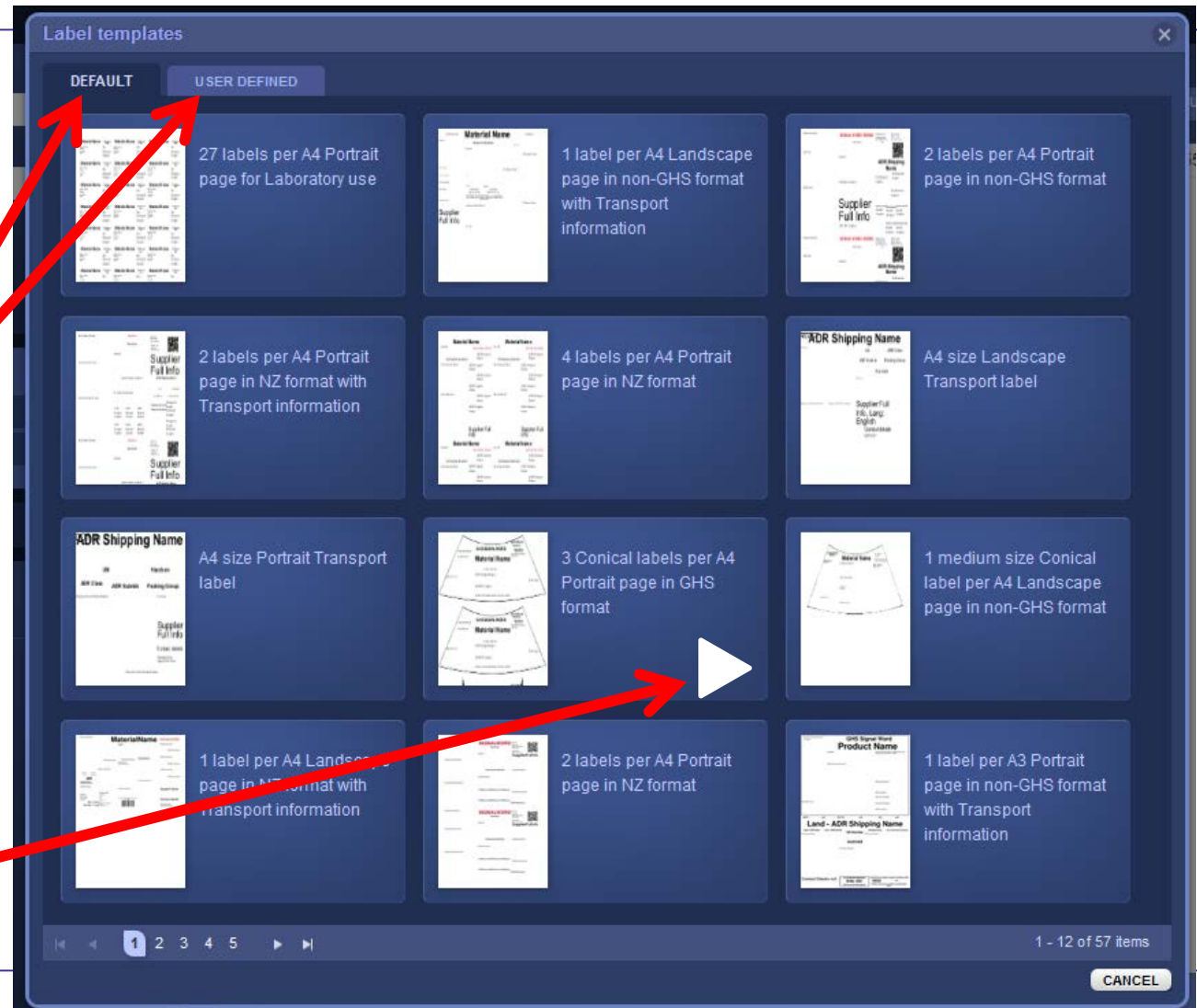
Label Gallery

Default vs User Defined Tabs

Select TAB

Choose
size/type
required in
GHS format

Hover over..
Click on
ARROW



Finished Label – Save as PDF

DANGER

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 %

Chemwatch Number: 1230

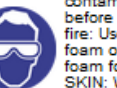
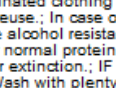
Precautionary Statements

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

DANGER

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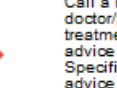
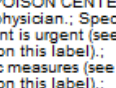
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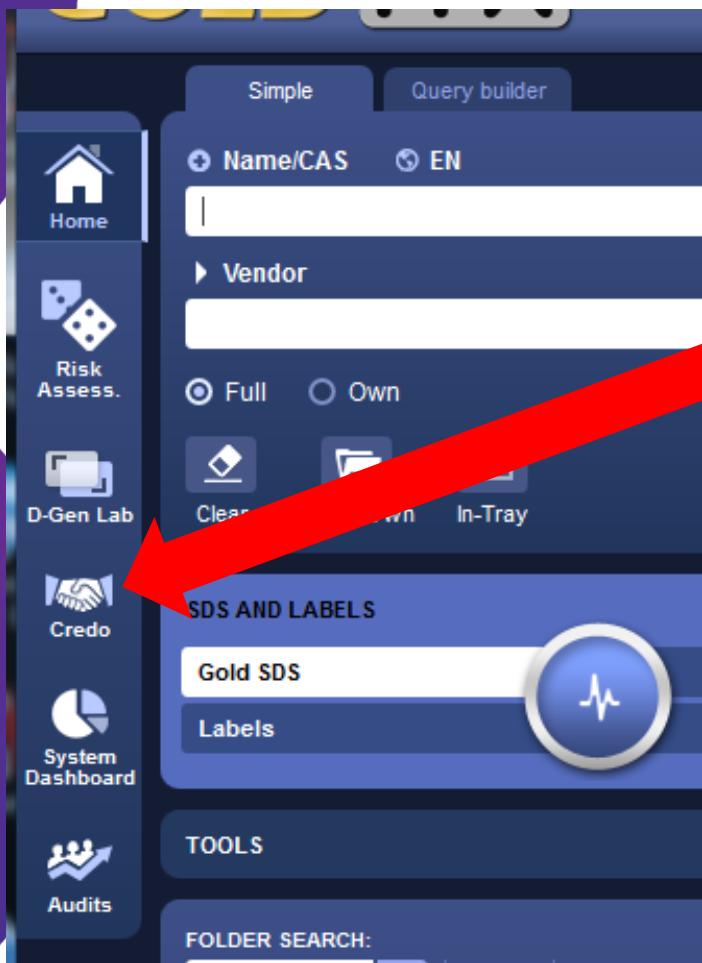






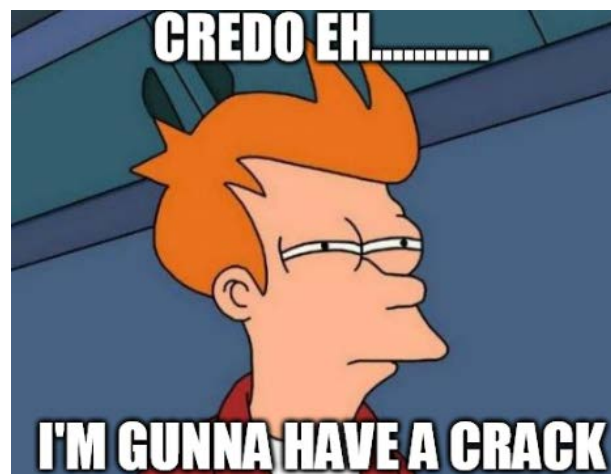
Bayer
CropScience; 3
Argus Place
Glenfield
Auckland
Australia; +64 9
443 3093; +64 9
443 3094

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

SEARCH PANEL

NEW

PRODUCT IDENTIFICATION

Material Name

Catalogue Number

REACH Reg. No.

Issue Date

CAS No.

EC No.

Uses

[REACH Uses](#)

Synonyms

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

REVIEW CLASSIFICATION

DANGEROUS GOODS

OFF **SUGGEST** **OFF** **PUBLISH** **SUBMIT**

Number of tabs here

Important – Turn On!!
Switches will turn green!

Correct selection of items per page required...

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

1 2 3 4 5 6 7 8 9 10 ... 10 Items per page

Product Identification Tab

The screenshot shows a web application interface for product identification. On the left is a vertical sidebar with icons and labels: Home, Risk Assess., D-Gen Lab, Credo, System Dashboard, and Audits. The main content area is titled 'SEARCH PANEL' and contains a 'NEW' button and a 'PRODUCT IDENTIFICATION' section. This section has several input fields: 'Material Name', 'Catalogue Number', 'REACH Reg. No.', 'Issue Date' (pre-filled with '28/03/2017'), 'CAS No.' (with a help icon), 'EC No.', 'Uses', 'REACH Uses', and 'Synonyms' (with an information icon). Below these fields are expandable sections for 'MANUFACTURERS DETAILS', 'CREDITE POSTER', 'REVIEW INGREDIENTS', 'REVIEW CLASSIFICATION', and 'DANGEROUS GOODS'. At the bottom are two toggle switches for 'SUGGEST' and 'PUBLISH' (both set to 'OFF') and a 'SUBMIT' button. Two red arrows point from a text box on the right to the 'Material Name' and 'Catalogue Number' fields.

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

SUBMIT

Enter your UQ
Organisation Unit
details

Credite Poster Tab

NEW

PRODUCT IDENTIFICATION ▼

MANUFACTURERS DETAILS ▼

CREDITE POSTER ↑

	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 POSTER

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

ON GHS(CLP) OFF C&L
OFF HAZARD PLUS OFF SANITISED VIEW

NAME/CAS NO. PROPORTION %

sodium chloride	0.259733333333	+ ✎
H315 (Cat 2), H319 (Cat 2A), H335 (Cat 3)		
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)		
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

☐	R1	Explosive when dry.
☐	R2	Risk of explosion by shock, friction, fire or other sources of ignition.
☐	R3	Extreme risk of explosion by shock, fire, friction or other sources of ignition.
☐	R4	Forms very sensitive explosive metallic compounds.
☐	R5	Heating may cause an explosion.
☐	R6	Explosive with or without contact with air.
☐	R7	May cause fire.
☐	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 POSTER

REVIEW INGREDIENTS

REVIEW CLASSIFICATION

ON GHS(CLP) OFF HAZARD PLUS

☐ Generated ☐ Deleted ☐ UserDefined

H318 (Cat 1)

☐	H315	Skin Corrosion/Irritation Category 2
☐	H317	Skin Sensitizer Category 1
☐	H317	Skin Sensitizer Category 1A
☐	H317	Skin Sensitizer Category 1B
☒	H318	Serious Eye Damage Category 1
☐	H319	Eye Irritation Category 2A
☐	H330	Acute Toxicity (Inhalation) Category 1
☐	H330	Acute Toxicity (Inhalation) Category 2
☐	H331	Acute Toxicity (Inhalation) Category 3
☐	H332	Acute Toxicity (Inhalation) Category 4
☐	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

UN/ID Number

DG Class

None

Sub Risk 1

None

Sub Risk 2

None

Packing Group

None

Poisons Schedule

Shipping Name

None

[N.O.S. Inq lookup](#)

ON

SUGGEST

ON

PUBLISH

UPDATE

TEMPLATE

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.....

