



AUTHORITE USER GUIDE

Version 3.4






CHEMWATCH
Melbourne, Australia
2025

Glossary



ADG	Australian Dangerous Goods Code
AuthorITe	Create SDS - Application Module/Product
CAS	Chemical Abstract Substance
CHEMTOURAGE	Chemwatch Entourage for service desk support
COBRA	Control Banding Risk Assessment
COSHH	Control of Substances Hazardous to Health
CREDO	Create Mixture application module
CREDITE POSTERI	Physical Properties
CW No	Chemwatch Number
DE	Data Extraction
DET	Chemwatch system Data Extraction Tool
DG	Dangerous Goods
DGEN	Document Generator for Labels module
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System for the Classification of Hazardous Chemicals and Labelling
IFC	International Fire Code, USA
ILO	International Labour Organisation, United Nations
NFPA	National Fire Protection, USA
OEL	Occupational Exposure Limit
PKG	Packing Group for Dangerous Goods
PSD	Print, Share, Download
RA	Risk Assessment
SR	Subsidiary Risk for Dangerous Goods
STOT	Specific Target Organ Toxicity (STOT)
SUSMP	The Standard for the Uniform Scheduling of Medicines and Poisons
SSO	Single Sign On
UGD	User Gold Data
UI	User interface
UN	United Nations
VGd	Vendor Gold Data


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About AuthorITe


This guide is intended for users  of the **AuthorITe** application  module. The topics covered in this guide are based on the various features available within the system; designed to provide businesses and organizations with the ability author or create their own SDS.

The AuthorITe module  features, buttons, menus, and task-based components are used across this guide to emphasize specific actions in the defined steps on how to use the system.





Modules and Features

 Home	 AuthorITe
 Systems Dashboard	 Systems Settings
 Chemwatcher	 Search
 Region/Country jurisdictional support	 Language support
 Risk/Hazard Code list grid/table view	 Regulatory Burden

Information Reference

The information icon  is used in this guide to share importance notes. Most of the activities covered are illustrated using read-write permissions to all modules except the Administrative Settings.

Chemwatch systems are web-based applications and they are supported by the following latest common browsers.

Browser	Browser Name	Browser Specification	Recommended
	Google Chrome	Latest version of Google Chrome	★★★★★
	Firefox	Latest version of Mozilla Firefox	★★★★☆
	Edge	Latest version of Microsoft Edge is supported	★★★★☆
	Apple PC	Safari (latest version recommended)	★★★★☆

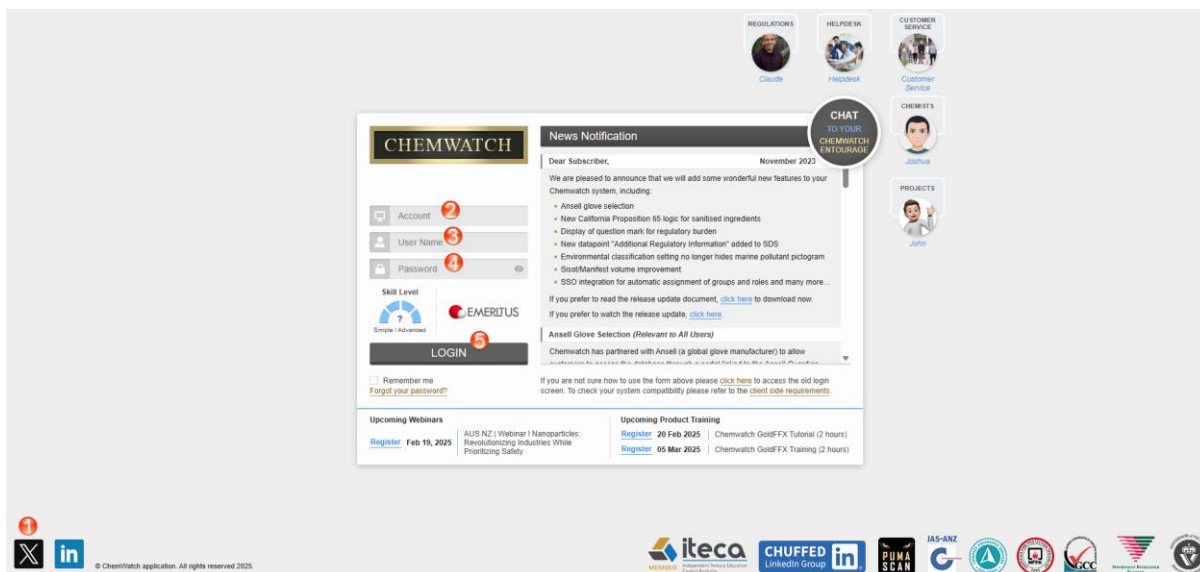
About User Login


Online Access to AuthorITe

The Chemwatch system is accessible online (World Wide Web) through the web address link below.



<http://ir.chemwatch.net/chemwatch.web>

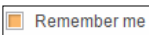

This site uses cookies to store user selected settings between sessions. Use the “**Accept Cookies**” option to allow the site to using cookies and then follow the steps as shown below.



User authentication utilizes a three-pronged (or the old two-pronged) unique credentials. This enables the management of credentials, roles, permissions and privileges for each user to be more secure. Use your credentials provided by Chemwatch IT or your Account Manager to be able to access the AuthorITe  application.


Item	Login Page	Function	Description
1	Chemwatch Twitter	Chemwatch Posts	This provides the latest Chemwatch feed on the chemicals management space.
2	Account name	Account identifier	This is the domain name for the system license package, applicable to all users.
3	User Login	User login name	This is the user’s login name, may be different from the user’s name, specific to each user. Each user login is unique in the system and is based on the role(s), permissions and privileges assigned to the unique user login.
4	Password	Authentication pass identifier	Password for system authentication to login; specific to each user.



 Avoid using a weak password by including special characters such as [\$, %, ^, #, @] and work email  address. Note that the password will not be visible in text format but will display dots instead of


Item	Login Page	Function	Description
			characters as a masking attribute. It is recommended to download user profile using the main save button to keep a record of all your users list, password, and permission attributes. Refer to the appendix for more password enforced rules.
5	Login button	Login button	Press button to login to the system. If SSO is set up and enabled for your domain, the login page will not be applicable.
	Remember me 	Checkbox <input type="checkbox"/> to remember login data	If the checkbox <input type="checkbox"/> is selected, the browser will remember your previous login for the account and user login. The password will always be required to be entered for security purposes.
	Forgot password?	Change password	This feature allows Chemwatch to send an email  for password change. User will be required to reassign a new password.


 Domains that have **Single Sign On (SSO)** activated by-pass the login page. If uncertain on how your SSO login works, consult with your organisation's domain administrator of the system.



User Roles and Permissions


Generally, the system can be set by the administrator for automatic login or manual login. The types of user profiles may range from basic users with read only, users with edit rights to administer other users with some level of control of the systems settings .

 To identify the type of user profile applicable to your login, as provided by the domain administrator of the system within your organisation, refer to the table below. If unsure of your user role or permissions, contact the administrator of Chemwatch application within your organisation for more information or send an email  to customerservice@chemwatch.net for support.

The table below recapitulates the system functional roles and related permission attributes related to AuthoriTe .

Function	User Profile	Description	Permission
 Domain Administrative Role	Primary Administrator of the system	Entire Access to the system	Full access with read-write permission to the entire system and able to set up users and respective privileges, products, and user access management.

Function	User Profile	Description	Permission
 Management Role	Manifest Management level	Management of specific areas of the system's manifest	Ability to edit, (read-write permission) materials, access to assigned role permissions; to be able to manage data; report generator, dashboards, document filter tools, conduct risk assessments and many more functions.
 Basic Role	General use level	General use may have limited access and read function	Ability to read data, search for materials, view various accessible reports as per privileges set by the domain administrator.


 The domain “**Administrator**” of the Chemwatch system within your organisation or business is responsible for setting up user(s) access, permissions, and privileges in the system and how your organisation will access and use the system. Our customer service team provides extensive support in ensuring that your AuthorITe system is set up appropriately prior to roll-out as part of the onboarding process.

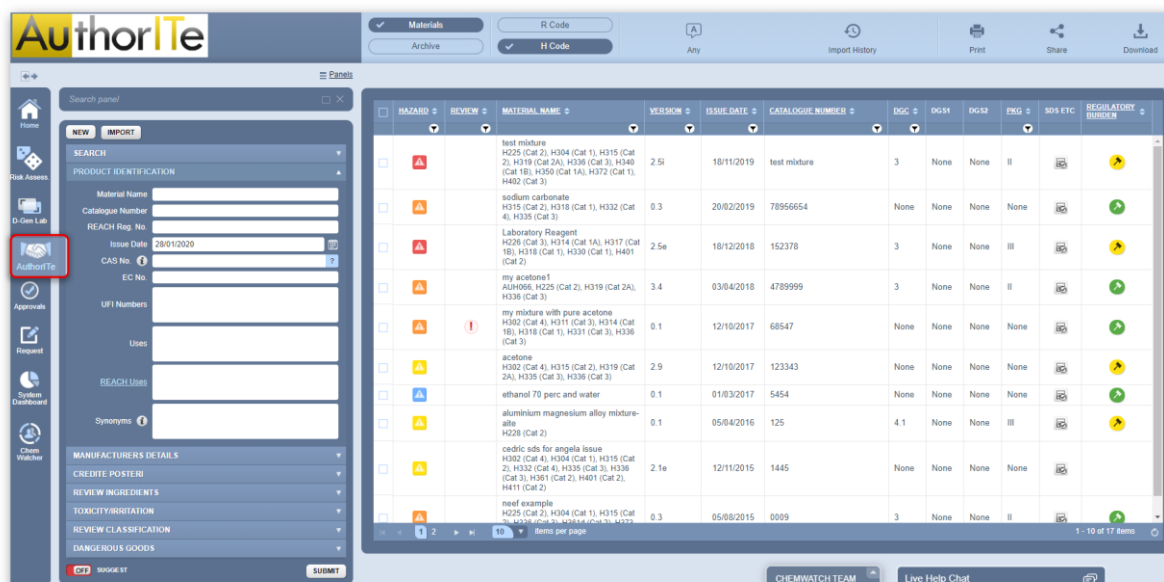
1.0 Introduction



This topic will cover the following objectives;


- Overview of the AuthorITe module
- Chronological approach to authoring an SDS
- Detailed descriptions of the authoring form
- Search, create, edit, and publish SDS
- Additional features of AuthorITe












AuthorITe  is a Chemwatch web application developed for the basic management of SDS for chemicals used, stored, or transported. This system is amalgamated into the following modules, dependent on the subscription. It is entirely used for creating or authoring safety data sheets. This Quick Start User guide demonstrates how to use the application.



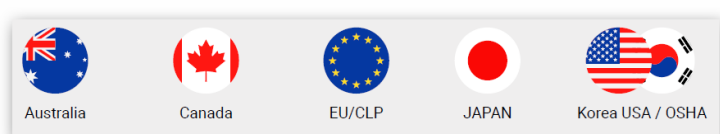
The primary aim of the AuthorITe  cloud authoring software is to produce SDS  based on chemical classification by using over 100 000 calculation rules, which are dynamically updated with any new information related to regulatory, toxic, ecotoxicity and environmental data. Companies that are unwilling to entrust a third-party with access to sensitive and confidential information such as formula or ingredients of their manufactured products utilise this tool to create their own SDS without declaration of sensitive information to any third party, which in turn provides them with the ability to control over their own SDS data and security with respect to specific SDS related information.

The AuthorITe  application contains a diversity of features geared towards creating (Authoring) SDS, generating labels, and Mini versions of SDS in any of the available languages.

These features include the following components.



- Audit button that opens to a GHS classification rational report, which provides users with a break-down of classifications for the material
- Creating your *own SDS* in any of the 47 supported languages 
- Create your *own SDS* based on your jurisdictional  regulatory requirements, e.g., the Americas, the EU, UK, Asia, Australia, etc.
- Customise font **Aa** and SDS length
- Add your company logo 
- Protect  your *own SDS* prior to public release
- Easily create version drafts , archive old copies and update current copies of your SDS in real time
- Use all GHS building blocks or Ignore/turn-on GHS  rules
- Publish your *own SDS* in compliant format, e.g. GHS/CLP, REACH, WHMIS, etc.
- Generate custom Labels and Mini SDS
- View Regulatory Burden  status of your materials
- Check if your ingredients are part of the List of Concern  (as Hazardous)
- Check if your ingredients are subject to Review  due to an update before publishing!

The Chemwatch SDS authoring tool meets the legal requirements of the following regions and countries, including links to country/region specific Regulatory Lists (over 5000 available), Dangerous Goods Regulations (RID/ADR, DOT, ADG, etc.) and access to our fully classified substance database of over 200, 000 chemicals as well as the use of our library of over 85, 000 phrases (in each of the 47 languages).

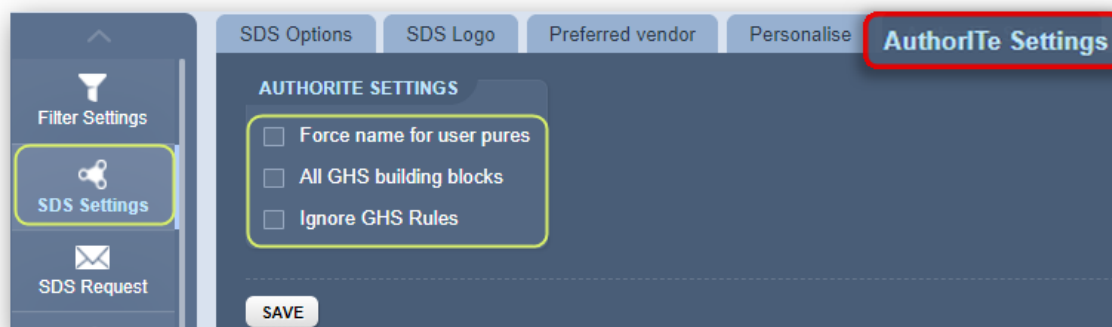


1.1 AuthorITe Settings

AuthorITe settings are ONLY applicable to the AuthorITe licence package, and the domain administrator sets up the settings, permissions, privileges, roles, and user interface settings.

There are specific settings for this module where the administrator can apply specific settings for pures (pure chemicals), GHS building blocks and GHS rules by simply selecting the respective checkboxes. Go to the Settings  link > click on SDS Settings  > click on the

AuthorITe Settings tab. The system allows the Administrator/Sub-Administrator to set the AuthorITe module settings for authoring their own SDS based on these options.



AuthorITe Setting Attribute	Description
Force name for user pures	Select checkbox <input type="checkbox"/> to force material name for user pure chemicals
All GHS building blocks	Select checkbox <input type="checkbox"/> to enable AuthorITe to provide all GHS building blocks
Ignore GHS Rules	Select checkbox <input type="checkbox"/> to ignore GHS Rules

Force Name for User Pures Setting

If “Force name for user pures” setting is applied, this setting will allow the pure SDS created to show the chemical name under languages other than English. The source of the chemical names is taken from the synonyms database. An improvement was implemented to show a chemical name from the database rather than the material name of the user made pure.

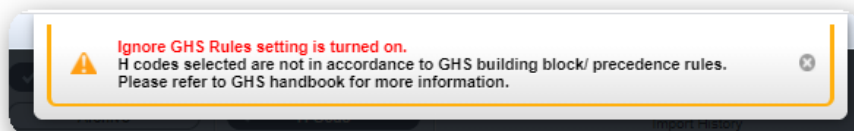
All Building Blocks Setting

The “All GHS Building Blocks” settings are there to give users the option to show ALL possible hazard categories irrespective of the country/jurisdiction. Chemwatch would not recommend having this as a default setting, as this option is only helpful for those who chose to not follow a country’s set of building blocks. When this setting is selected, it will show all building blocks irrespective if the categories are being adopted by the country setting or not in the Review Classification tab of the form.



This setting will only be useful to a user who wishes to disregard a country's set of building blocks if "Ignore GS Rules" is ticked together with it.

The "Ignore GHS Rules" setting when turned on will display the message when submitting the prepopulated data in the form when the SDS is created.

A screenshot of the AuthorITe SDS authoring form. The top navigation bar includes "United States", "English", "GHS", "Publish", "Print", "Share", and "Download". Below this is a sub-header with "BACK", "COMPARE", "TEMPLATES", and a version dropdown "0.6". The main section is titled "Label elements" and contains a "Hazard pictogram(s)" field with three pictograms (flame, skull and crossbones, and a person with a star). Below this is a "Signal word" field with the value "Danger". The "Hazard statement(s)" field contains a list of statements with codes: H310, H319, H340, AUH066, H336, H402, H225, H350, H303, H330, and H372. The statement "H303 May be harmful if swallowed." is highlighted with a yellow box. Below this is a "Hazard(s) not otherwise classified" field with the value "Not Applicable". The "Precautionary statement(s) General" field contains the statement "P101 If medical advice is needed, have product container or label at hand." A large "DRAFT ONLY" watermark is visible across the center of the form.

1.2 Chronological Approach to Authoring an SDS

AuthorITe is designed for ease of navigation through the authoring form. All information input into the various sections of the form will feed into the final calculation of the SDS.

The flow below illustrates the authoring form sequence for prepopulating data to create and publish an SDS.

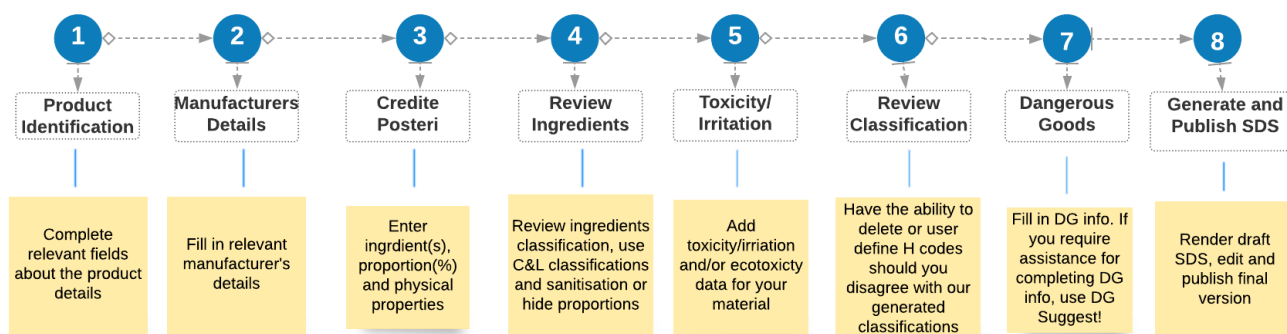



Figure: AuthorITe Form

The authoring form fields are provided in the table below, including where the information goes to on the SDS once it is rendered.

Summary of Authoring Form Fields

Data Point	Fields	Section of SDS
1 Product Identification	Material name, Catalogue number, REACH Reg No., Issue Date, CAS No, EC No., UFI Numbers, Uses, REACH Uses, Synonyms	Section 1
2 Manufacture Details	Company Name, Address, Telephone 1, Telephone 2, Emergency Organisation, Emergency 1, Other Emergency Number, Fax, Email  , Website	Section 1
3 Credite PosterI	Name/CAS No. and Proportion of the ingredient(s), physical properties	Section 3 & 9
4 Review Ingredients	Classifications for ingredient(s) at 100%, C&L classification, Sanitised View	Sections 2 & 3
5 Toxicity/Irritation	Toxicity, ecotoxicity and environmental fate data	Section 11 & 12
6 Review Classification	Review classification of the product	Sections 2

Data Point	Fields	Section of SDS
7 Dangerous Goods	DG information including Hazchem, UN Number, DG Class, Sub Risk 1, Sub risk 2, Packing Group, Shipping Name	Sections 14
8 Generate, Edit and Publish SDS	Render your first and subsequent drafts, edit content and publish your first SDS and subsequent versions	All sections

1.3 Detailed Description of the Authoring Form

The authoring form contains the 7 tabs that must be used to prepopulate data; Product Identification, Manufacturers Details, Credite Poster, Review Ingredients, Toxicity/Irritation, Review Classification and Dangerous Goods. The sub-sections of the authoring form below described each form tab in detail.

1.3.1 Product Identification

Data Point	Description	Notes
Material Name	Name of the Mixture.	N/A
Catalogue Number	Catalogue Number of the mixture.	This can be internal/external number, product code, etc.
REACH Reg. No	Substance number regulated by REACH for the EU.	Applicable for pure chemicals only. Found in Section 1 of REACH EU SDS.
Issue Date	Date when material is created	Automatically assigned with SDS creation date.
CAS No.	Chemical Abstract Substance number.	Applicable for pure chemicals only. Use "Not Available" if applicable.
EC No.	European Council number	Applicable for pure chemicals only.

Data Point	Description	Notes
UFI Numbers	Unique Formula Identifier, applicable in the EEA market.	It is a 16-character code is used for mandatory reporting on products that contain a hazardous mixture. If no data is found, leave this field blank.
Uses	Enter the usage or purpose for the material	Found in Section 1 of the SDS. If this field is left blank, the system will automatically generate "Use according to manufacturer's direction." As it is a free text field, please input the same language as the language on the SDS.
REACH Uses	Applicable to EU only.	Choose the applicable REACH use from the drop down list and click the cross for Uses Advised Against.
Synonyms	Can also be product be product codes, trade names, part numbers, etc.	Enter the synonym(s) for material.

1.3.1.1 UFI Number in Product Identification

A UFI Number (Unique Formula Identifier) is a 16-character alphanumeric code used in the EU to identify chemical mixtures that have hazardous properties. This type of number is mandatory in the EEA marketplace as per CLP regulations to help poison centers in case of emergencies to immediately gain access to information about a mixture. The UFI must be included on SDSs and products labels.

The basis for the CLP Regulation & Annex VIII provides detailed instructions on how companies should notify chemical mixtures to poison centers. The compliance requirements deal with companies that have hazardous chemical mixtures (not pure substances) on the EU market, including:

- Manufacturers
- Importers
- Downstream users

Exemptions do exist and these include non-hazardous mixtures, certain Industrial use only mixtures under specific conditions and some biological and plant protection products that are already notified under other regulations. As companies are required to submit PCN (Poison Center Notification) dossier to ECHA or relevant authority prior to placing a hazardous mixture on the EU market, the UFI links the product to the data submitted and must contain the following information to help poison centers provide appropriate first aid and medical advice in case of exposure.

- UFI Code
- Full Chemical Composition
- Toxicological Information

- Trade Names and Intended Use
- Contact Details of the Notifier

UFI Number is part of the material or mixture identification. This component also provides a UFI Generator that connects to ECHA's official UFI Generator online tool. The main purpose of generating a UFI Number is for the use of PCN submission. Mixtures that are classified as health hazards or physical hazards require a UFI on the CLP and a PCN.

A UFI for products/mixtures must be displayed in SDS and appear in Section 1 and must also be included on CLP label and may be positioned with the Product Identifier or within the Supplemental Information Section.

i PCN dossier submission is a crucial step for any company intending to sell a product within the EEA marketplace, and the UFI should be reflected on both the SDS and the product Label. The UFI can be generated using the UFI Generator Tool in the Product Identification section of the AuthorITe module.

The product identification provides the UFI numbers and UFI Generator link.

To generate a UFI Number, the engine requires the following information:


- The VAT number of the EEA Legal Entity
- The EEA country where the Legal Entity is registered
- The formulation number

If a VAT is not available, select the checkbox “I do not have a VAT No. or choose not to use it to generate a UFI”.

- A Company Key will be created and assigned.
- Input an internal part number into the Formulation No. field (this is a numeric identifier for the product).
- Select “Create” button and the system will automatically generate a UFI number that is unique to the product and assign it to the Company Key.
- Select the “Validate” button. The UFI number will be verified for validation. If the UFI is not valid, an alert message will display “Not Vald UFI”.
- If the UFI number is validated, click the “Save” button.

The generated UFI number will automatically populate into the UFI number text field in the product identification tab.

1.3.2 Manufacturers Details

Data Point	Description	Notes
Company Name and other fields	Manufacturer or supplier details. Use the add button  to add your own manufacturer details.	Details here will appear on Section 1 of the SDS. It will also appear in the MINI SDS and label.

1.3.3 Credite Posteri

Data Point	Description	Notes
Name/CAS No. and Proportion	Ingredient(s) and concentration(s) fields.	Enter ingredient(s) and the exact proportion (%) in each line item.
Physical Properties	Physical state, water solubility, appearance, and other datapoints if known or available.	If you leave the any fields blank, the system will display Not Available on the SDS.

1.3.4 Review Ingredients





Data Point	Description	Notes
GHS (CLP)	Displays classifications in GHS format.	N/A
C&L	European Classification and Labelling Inventory	If C&L classifications exists for an ingredient, it will be displayed. Our database shows the most prevalent classification.
Sanitised View	Limited disclosure feature. Auto Sanitised automatically hides all non-hazardous ingredients.	Allows users to hide their exact formulation.

1.3.5 Toxicity/Irritation

Data Point	Description	Notes
Toxicity	Input toxicity data for material	Input toxicity data and select route of exposure, species, exposure type and unit measure.
Environment	Input ecotoxicity data for material.	Input ecotoxicity data and select duration, species, exposure type and unit measure.

1.3.6 Review Classification



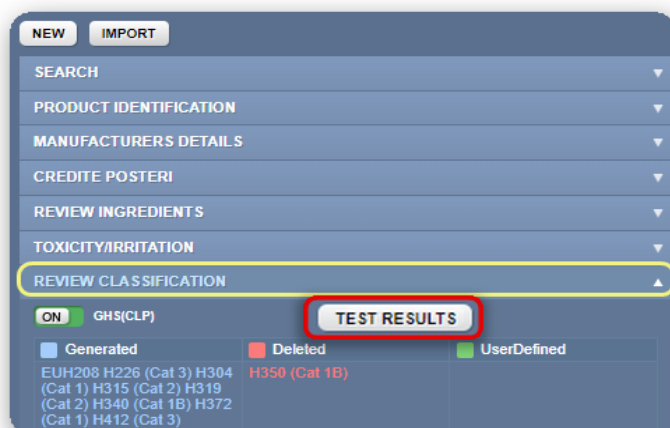
Data Point	Description	Notes
GHS (CLP)	GHS classification for material	N/A
Generated 	The system will generate classifications based on ingredient(s), proportion(s) and physical properties input.	Modify classifications by using the check boxes alongside each hazard code.
Deleted 	Displays classification(s) deleted by user.	N/A
User Defined 	Displays user define classification(s).	N/A
	"TEST RESULTS" button to enable users to quote test guidelines as justification for omitting a hazard classification that would otherwise be given to the mixture.	Hazard TEST RESULTS feature to enable users to select the appropriate hazard code(s) and test name.

1.3.6.1 Test Results Tool to Override System Calculated GHS Hazard Classification

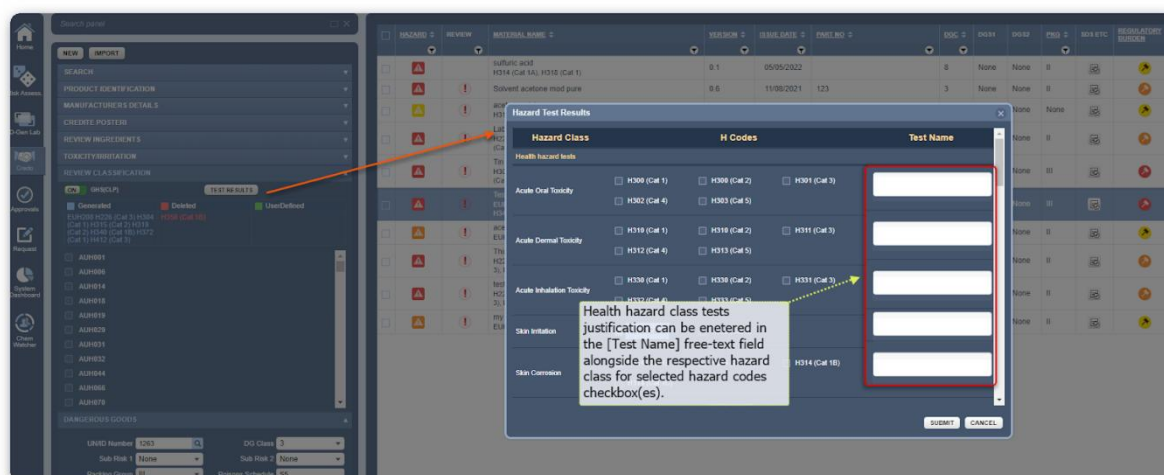
The AuthorITe/Credo module form Review Classification tab has been improved with a "TEST RESULTS" button to enable users to quote test guidelines as justification for omitting a hazard classification that would otherwise be given to the mixture. This module is available in Chemeritus, GoldFFX and Bespoke (included as package). Access to Credo/AuthorITe module also depends on the products permissions assigned to users by the administrator to enable users to create, publish SDS and generate reports.

Chemwatch or a recognised substance classification list may classify a substance and if the substance is used as an ingredient in a mixture with other ingredients, the supplier of the

mixture can perform established experimental tests to show that the final material or product is not categorised as such in comparison with the classification based on standard test data. Chemwatch improved the Review Classification with a Hazard TEST RESULTS feature to enable users to select the appropriate hazard code(s) and test name.



When this button is selected, a pop-up window will appear showing the respective listing of classification codes and corresponding free text fields under the “Test Name” column alongside each health hazard class.



The steps below illustrate how to use the TEST RESULT feature to quote test guidelines when a hazard classification is omitted.

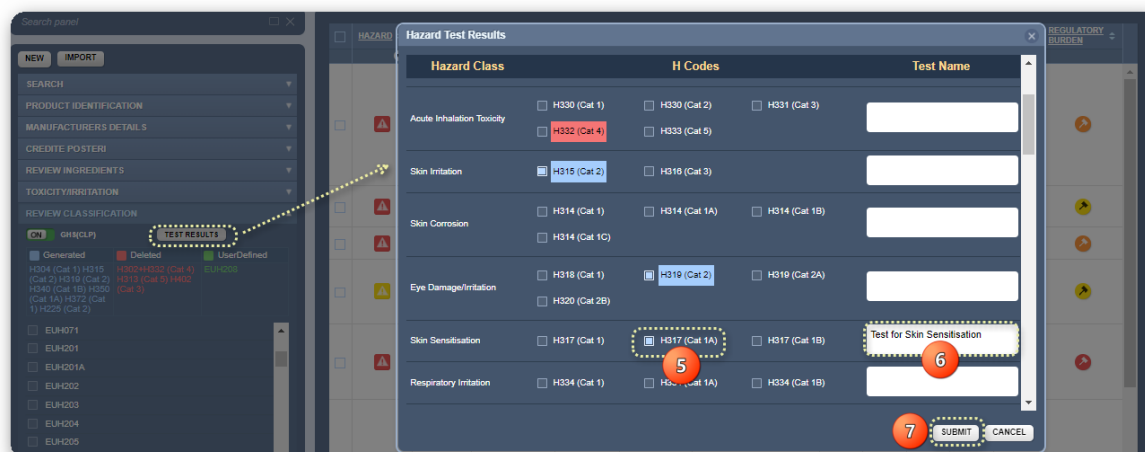
Steps: Generating a mixture and use the TEST RESULT feature.



1. Open Credo/AuthoriTe module.
2. Click on material name to load form data.
3. Select the Review Classification tab.
4. Click the TEST RESULT button.
5. Select the hazard class category relevant to the test.
6. Enter the Test Name in the free text field.

7. Press the Submit button to save record entry.
8. Press the Update button to save mixture.

Note that the GHS/CLP button was selected to display GHS classification hazard codes where generated by default for the standard classification.



REVIEW CLASSIFICATION

ON GHS(CLP) **TEST RESULTS**

Generated **Deleted** **UserDefined**

H304 (Cat 1) H315 (Cat 2) H319 (Cat 2) H340 (Cat 1B) H350 (Cat 1A) H372 (Cat 1) H225 (Cat 2)

H302+H332 (Cat 4) H313 (Cat 5) H402 (Cat 3)

H317 (Cat 1A)

☐ EUH071

☐ EUH201

☐ EUH201A

☐ EUH202

☐ EUH203

☐ EUH204

☐ EUH205

☐ EUH206

☐ EUH207

☐ EUH208

☐ EUH209

DANGEROUS GOODS

UN/ID Number: 1114 DG Class: 3

Sub Risk 1: None Sub Risk 2: None

Packing Group: II Poisons Schedule: S7

Shipping Name: BENZENE

N.O.S. Ing

OFF SUGGEST **8** **UPDATE** **TEMPLATE**

Pressing the Update button triggers the calculation. Depending on the GHS Rules setting turned on, a message will be displayed depending on the GHS building block/precedence rules.

9. Select the relevant target organ(s) or biological system(s) affected if any.

10. Click the OK button.

Ignore GHS Rules setting is turned on.
H codes selected are not in accordance to GHS building block/ precedence rules.
Please refer to GHS handbook for more information.

STOT Selection

Please select the relevant target organ(s) or biological system(s) affected by this toxicity for H372 (Cat 1)

☐ Biochemical

☐ Blood

☐ Bone

☐ CardiovascularSystem

☐ EndocrineSystem

☐ GastrointestinalSystem

☐ Kidneys

☐ Liver

☐ LymphaticSystem

☐ NervousSystem

☐ RespiratorySystem

☒ Skin

☐ Teeth

☐ VascularSystem

☒ STOT information - only training here

9 **10** **OK**

11. Select the appropriate route of exposure.

12. Click the OK button

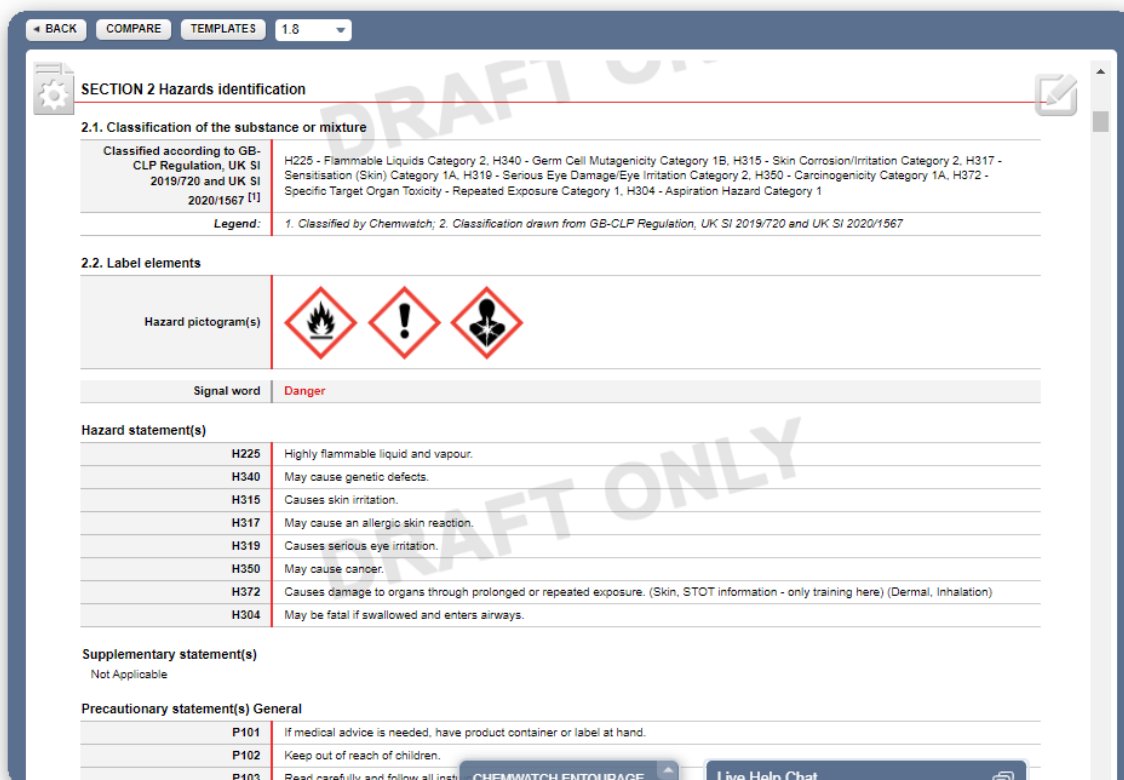


Wait for a moment for the system to render the draft SDS prior to publish.

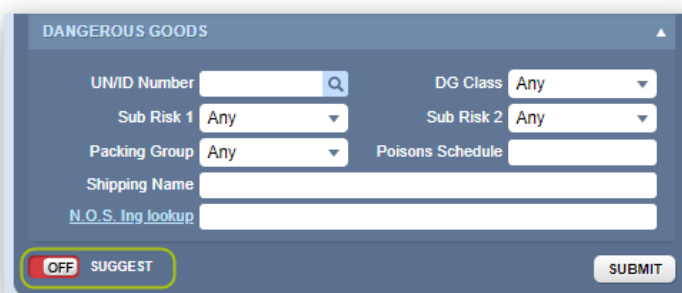
13. Select the setting icon on the SDS.

14. Click on Section 2: Hazard Classification

15. Refer to hazard statements and supplementary statements where applicable.



1.3.7 Dangerous Goods



Dangerous Goods (DG) are defined as substances that are corrosive, flammable, explosive, oxidizing or water-reactive or they may have other hazardous properties. Some substances are both dangerous goods and hazardous substances and it is imperative to consider:

- Risk management of hazards related to dangerous goods at your premises
- Storage and handling of quantities of dangerous goods
- Transportation of dangerous goods

Data Point	Description	Notes
UN/ID Number	Quick look up for the United Nation Number for the material.	Assign a UN No.
DG Class	Dangerous Goods Class.	Assign a DG Class from the drop-down arrow.
Sub-risk 1, 2	Sub risk 1, 2.	Assign Sub risk 1, 2 as per the transport regulations
Packing Group	Packing Group as per transport regulations.	Assign Packing Group from the drop-down list
Poison Schedule	The Standard for the Uniform Scheduling of Medicines and (SUSMP)	Assign poison schedule for the material. This information can also be shown in labels.
Shipping Name	Shipping Name as described in the transport regulations	N/A
N.O.S Ing lookup	Stands for "Not Otherwise Specified".	Use this link to look up for the proper shipping name of the mixture that have a potential variety of hazardous ingredients and have no specific, applicable name in the UN list.
DG Suggest	The system suggests DGC, PKG, SR based on classifications and physical properties of the material.	Backend rules and logic are set up in the program to "calculate" and "predict" the hazardous property of the material.

- Section 14 of the SDS for the DG classification

1.3.8 Generate SDS and Publish

NEW IMPORT

SEARCH

Name SEARCH

SHOW OWN

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY/IRRITATION

REVIEW CLASSIFICATION

DANGEROUS GOODS

OFF SUGGEST

SUBMIT

After hitting Submit button, the system will render and produce your SDS in draft mode.

AuthoriTE

Australia English GHS

Publish Print Share Download

Search panel

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name Laboratory Reagent

Catalogue Number 152378

REACH Reg. No.

Issue Date 29/01/2020

CAS No. Not Avail?

EC No.

UFI Numbers

Uses Testing and cleaning agent

REACH Uses

Synonyms Sulphuric Acid Lab Reagent

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY/IRRITATION

REVIEW CLASSIFICATION

DANGEROUS GOODS

UPDATE TEMPLATE

BACK COMPARE TEMPLATES 2.7

RENDERING

CHEMWATCH TEAM Live Help Chat

[BACK](#)
[COMPARE](#)
[TEMPLATES](#)
2.7

AuthorITe

Laboratory Reagent

Chemwatch
 Catalogue number: 152378
 Version No: 2.7
 Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
 Issue Date: 29/01/2020
 Print Date: 31/01/2020
 LGHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Laboratory Reagent
Proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) (contains sulfuric acid)
Other means of identification	152378
CAS number	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Testing and cleaning agent
--------------------------	----------------------------

Details of the supplier of the safety data sheet

Registered company name	Chemwatch
Address	1227 Glen Huntly Rd Glen Huntly VIC Australia
Telephone	+61 3 9573 3100
Fax	Not Available
Website	www.chemwatch.net
Email	info@chemwatch.net

Emergency telephone number

You can edit the draft SDS using the Edit Mode, add your own translated texts via the Phrase Library, publish your SDS, print, email or download the SDS in PDF/RTF version.

1.4 Additional Features of AuthorITe

1.4.1 Identification of SDS Published for Internal or External Use

Users can easily distinguish between internally or externally published SDS. An annotation of 'I' or 'e' are added behind the current version numbers and these annotations can be seen in the main AuthorITe home page under the Version column.

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
		Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H318 (Cat 1), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)	0.1	30/01/2020	XY-2555	3	None	None	III		
		Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234	3	None	None	II		
		Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H319 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None	None	III		
		test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1), H402 (Cat 3)	2.7	18/11/2019	test mixture	3	None	None	II		

The version number is also available when you open the SDS. See the Version number explanation below:

Version Number Example

Explanation

1.1 i	I - indicates that the SDS has been updated once and published once internally.
3.5 e	e - indicates that the SDS has been updated five times, published three times and final published was done externally.

Newly created unpublished SDS shows **Draft Only** watermark (see example below).

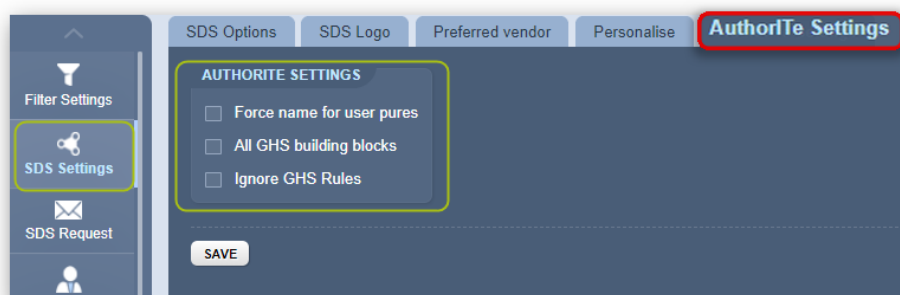
The screenshot shows a web interface for creating an SDS. The title is 'Valspar 16S61EG with Water' (a part of Sherwin-Williams). The version is 'XY-2555' and it's a 'Safety Data Sheet according to WHS and ADG requirements'. A 'Chemwatch Hazard Alert Code: 3' is displayed. The form is titled 'SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING'. It includes fields for 'Product Identifier' (Product name, Proper shipping name, Other means of identification), 'Relevant identified uses of the substance or mixture and uses advised against', and 'Details of the supplier of the safety data sheet' (Registered company name, Address, Telephone, Fax, Website, Email). A large 'DRAFT ONLY' watermark is overlaid diagonally across the form. A blue box with an arrow points to the watermark, stating 'Draft water mark displayed on the draft SDS'.

Internally published SDS will show the **Internal Only** watermark (please provide screenshot as example). All watermarks will be removed from all externally published SDS.

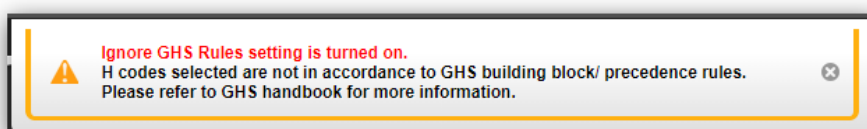
The screenshot shows a web interface for an internally published SDS. The title is 'Thinner Solv' (Chemwatch). The catalogue number is '1234' and the version is '1.2'. A 'Chemwatch Hazard Alert Code: 4' is displayed. The form is titled 'SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING'. It includes fields for 'Product Identifier' (Product name, Proper shipping name, Other means of identification, CAS number). A large 'INTERNAL ONLY' watermark is overlaid diagonally across the form. A green box with an arrow points to the watermark, stating 'Internal Only watermark displayed on the internally published SDS'.

1.4.2 Ignore GHS Rules Setting


This setting is found in AuthorITe Settings tab under SDS Settings Mode. Turning it "ON" gives users the ultimate control of the GHS classifications that goes onto an SDS, as it overwrites all GHS building blocks and precedence rules. In other words, it allows users to freely create SDS without GHS jurisdiction rule constraint implemented by a country's governing body.



A “Notification” feature to inform users when this setting is ON was also implemented. Upon submitting and updating an SDS, a message “H codes selected are not in accordance with GHS building block/ precedence rules. Please refer to GHS handbook for more information” will appear as shown below.




Examples of how this setting works:




1. Users can select H316 (Cat 3) on the Credo form and this classification would appear on a United States SDS even though it is outside of the scope of OSHA HAZCOM 2012.
2. Users can force H280 along with H222 (Cat 1) or H223 (Cat 2) and moreover force the gas cylinder pictogram  to show on the SDS irrespective of the GHS revision.

1.4.3 Regulatory Burden

Regulatory Burden is a simple metric used to give an indication of the level of regulation surrounding a substance. It is based on the ingredients in a product and the frequency of which they appear on ‘**negative**’ regulatory lists.

 ‘Negative lists’ are suggested by Chemwatch to add additional restrictions to your chemical. National Inventories’ or ‘Permitted Substances’ lists are positive lists not included in the Regulatory Burden metric.

Chemwatch has divided Regulatory Burden into four distinct bands. See details below.

			
Red	Orange	Yellow	Green
Extremely Regulated	Highly Regulated	Moderately Regulated	Lightly Regulated

Regulatory Burden is found in your AuthorITe home page grid alongside each material. Chemicals can be sorted based on their Regulatory Burden.

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
		Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H318 (Cat 1), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)	0.1	30/01/2020	XY-2555	3	None	None	III		
		Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234	3	None	None	II		
		Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None	None	III		
		test mixture H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1), H402 (Cat 3)	2.5i	18/11/2019	test mixture	3	None	None	II		
		sodium carbonate H315 (Cat 2), H318 (Cat 1), H332 (Cat 4), H335 (Cat 3)	0.3	20/02/2019	78956654	None	None	None	None		
		my acetone1 AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	3.4	03/04/2018	4789999	3	None	None	II		
		my mixture with pure acetone H302 (Cat 4), H311 (Cat 3), H314 (Cat 1B), H318 (Cat 1), H331 (Cat 3), H336 (Cat 3)	0.1	12/10/2017	68547	None	None	None	None		
		acetone H302 (Cat 4), H315 (Cat 2), H319 (Cat 2A), H335 (Cat 3), H336 (Cat 3)	2.9	12/10/2017	123343	None	None	None	None		
		ethanol 70 perc and water	0.1	01/03/2017	5454	None	None	None	None		
		aluminium magnesium alloy mixture- alts	0.1	05/04/2016	125	1.1	None	None	III		

 Regulatory burden will NOT be available in print lists.

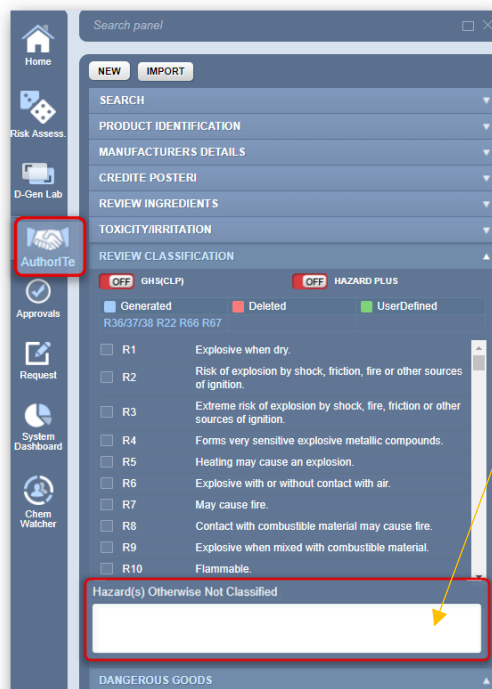
1.4.4 Phrase Library in Edit Mode of SDS

The Phrase Library allows you to create your own phrases for your SDS. These phrases can be translated into multiple languages. This feature is accessible via Edit Mode.

[illegible]

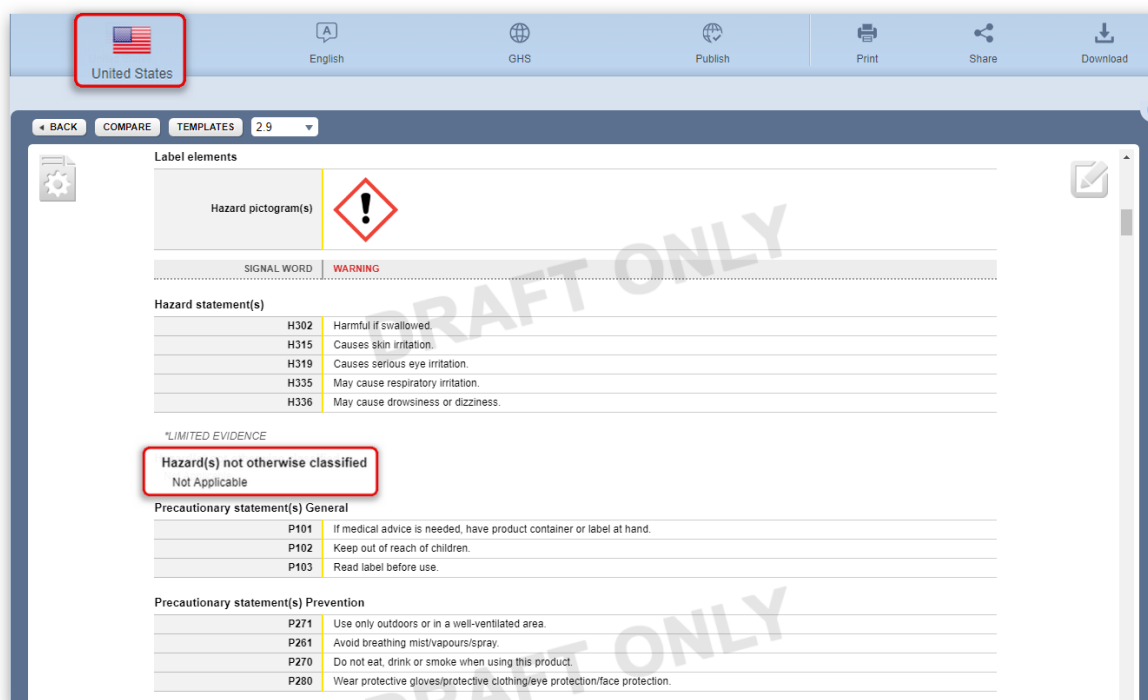
1.4.5 Add HNOC (Hazards Otherwise Not Classified)

A new feature which enables users to add HNOC (Hazard(s) Not Otherwise Classified) classification data on United States and Canada SDS is now available in Review Classification Form Tab.



HONC in AuthoriTe

A new free text box has been added under the Review Classification tab. All texts added to this field will be reflected under Section 2 - Hazard(s) Not Otherwise Classified on the SDS. In Edit Mode, this field can be edited as free text, user CPs can also be added for translation purposes.



1.4.6 Specific Target Organ Toxicity (STOT)

A new feature in AuthorITe called STOT Selection. Under GHS, specific target organ toxicity (STOT) classifications: H370 (Cat 1), H371 (Cat 2), H372 (Cat 1) and H373 (Cat 2), may come with additional information such as the relevant target organ(s) or biological system(s) affected by this toxicity and/or its route of exposure. Where these hazards are classified for a mixture, users can now select the affected target organ(s) or biological system(s) from a list and define its route of exposure from these options: Oral, Dermal and Inhalation. If any of these target organ(s) or biological system(s) and/or route of exposure is selected, it will be displayed under Section 2 Hazard Statement(s) on the SDS.


1.4.7 Normalisation of Ingredient Proportion

A minor feature was introduced to normalise the proportion of an ingredient where the total ingredient concentration for a mixture is greater than 100%, then the system will automatically normalise the data. Change to the proportion will be reflected in the Credite Poster Form and carried over to the Review Ingredient Form.


	NAME/CAS NO.	PROPORTION %
1	acetone	95-99.5
2	water	20-20.99
3		

NAME/CAS NO.	PROPORTION %
acetone	95-99.5
AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	
water	20-20.99

If your data is normalised, the system will display a pop-up message to notify you.



Proportion data normalised.
When the total ingredient concentration for the mixture is greater than 100%, the system will automatically normalise the data.
E.g. If Ingredient A is 90-100% and Ingredient B is 25% then it will be recalculated to show
Ingredient A as 78.26 - 86.9
Ingredient B as 21.74.



1.4.8 TSCA IP 3:1 Statements Added to USA SDS

United States SDS containing any known phenol, isopropylated, phosphate 3:1 (PIP, 3:1) ingredients will display the TSCA-mandated PIP 3:1 statement in sections 1 and 15, for both English and Spanish languages.

Section 1

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	Bostik (an Arkema Company)
Address	211 Boston Street Middleton MA 01949 United States
Telephone	+1 800 227 0332/+1 703 527 3887
Fax	Not Available
Website	https://www.bostik.com/
Email	dataprotection@arkema.com

Emergency phone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

The Environmental Protection Agency prohibits processing and distribution of this chemical product for any use other than: (1) in hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance where no alternative chemical is available that meets U.S. Department of Defense specification requirements, (2) lubricants and greases, (3) new or replacement parts for motor and aerospace vehicles, (4) as an intermediate in the manufacture of cyanoacrylate glue, (5) in specialized engine air filters for locomotive and marine applications, and (6) in adhesives and sealants before January 6, 2025, after which use in adhesives and sealants is prohibited. In addition, all persons are prohibited from releasing PIP (3:1) to water during manufacturing, processing and distribution in commerce, and must follow all existing regulations and best practices to prevent the release of PIP (3:1) to water during the commercial use of PIP (3:1).

Classification of the substance or mixture

1.4.9 M-Factor and Specific Concentration Limits

European Union Safety Data Sheets written in accordance with Annex II of REACH (1907/2006) - Regulation 2020/878 and amendments will now display each ingredient or substance's Specific Concentration Limit (SCL) or M-factor, if applicable. This will clarify the rationale behind the final classification of mixtures where classifications are generated when ingredients contributing to the final classification are below their respective generic concentration limit(s).

SECTION 3 Composition / information on ingredients

3.1.Substances

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures


1.CAS No 2.EC No 3.Index No 4.REACH No	% [weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	SCL / M-factor	Nanoform Particle Characteristics
1.7738-94-5 2.231-801-5 3.024-017-00-8 4.Not Available	15	chromic acid solution	Sensitisation (Skin) Category 1, Carcinogenicity Category 1B, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 1; H317, H350i, H400, H410 [2]	Not Available	Not Available
1.7697-37-2 2.231-714-2 3.007-004-00-1 4.Not Available	15	nitric acid	Oxidizing Liquids Category 2, Skin Corrosion/Irritation Category 1A; H272, H314 [2]	Skin Corr. 1A; H314: C ≥ 20 % Skin Corr. 1B; H314: 5 % ≤ C < 65 %	Not Available

Legend: 1. Classified by Chemwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 3. Classification drawn from C&L; * EU IOELVs available; [e] Substance identified as having endocrine disrupting properties

1.4.10 AuthorITe Edit Mode Phrase Hide/Unhide Applied to All Languages

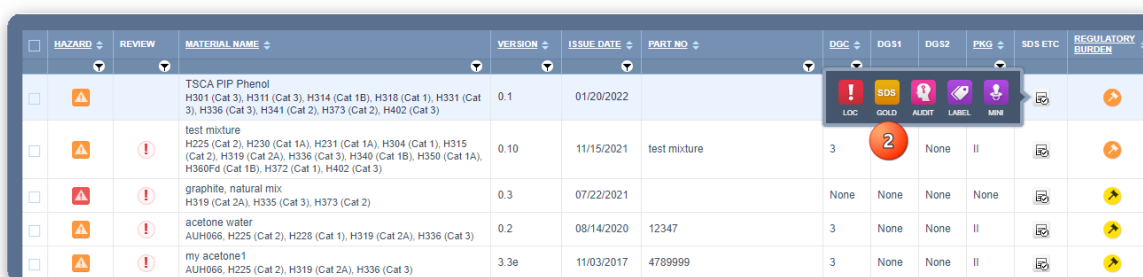
Previously, when users would hide/unhide phrases on their SDS using Edit Mode in AuthorITe, this hiding/unhiding feature would only be applied to the language in which the edit was made, e.g., hiding text in the English language would only hide the text in English, but the statement in non-English languages would still show for the SDS of interest.



















Now, when users hide/unhide a phrase in any language, the equivalent phrase will also be hidden in all other languages. This will save users time by removing the need to hide the equivalent phrase in all languages of interest.

 Note that this improvement only applies to the hide/unhide tool. Text edits performed by the user in Edit Mode are still only applied on a per-language basis.

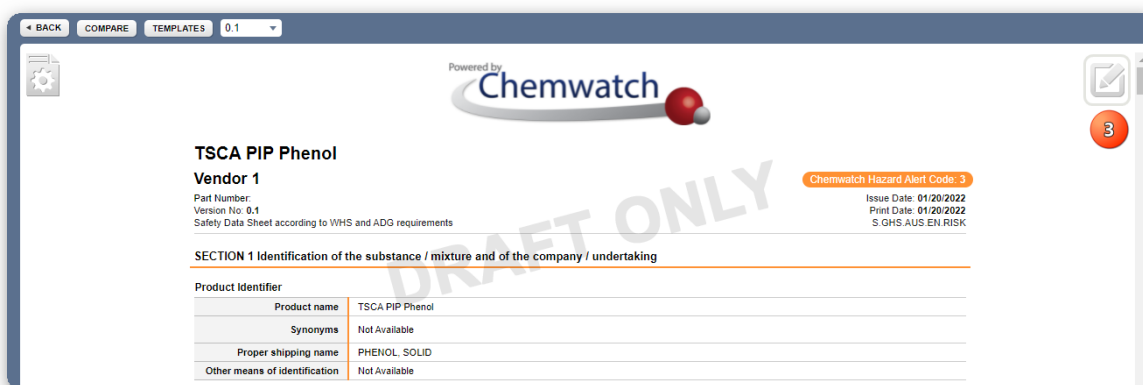
Steps: Hide/Unhide Phrase to All Languages when in AuthorITe Edit Mode

1. Click  the **AuthorITe** module .
2. Hover mouse pointer over the SDS ETC icon and click  the **Gold SDS** button.



HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	PART NO	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BUSINESS
		TSCA PIP Phenol H301 (Cat 3), H311 (Cat 3), H314 (Cat 1B), H318 (Cat 1), H331 (Cat 3), H336 (Cat 3), H341 (Cat 2), H373 (Cat 2), H402 (Cat 3)	0.1	01/20/2022							
		test mixture H225 (Cat 2), H230 (Cat 1A), H231 (Cat 1A), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H402 (Cat 3)	0.10	11/15/2021	test mixture	3		None	II		
		graphite, natural mix H319 (Cat 2A), H335 (Cat 3), H373 (Cat 2)	0.3	07/22/2021		None	None	None	None		
		acetone water AUH066, H225 (Cat 2), H228 (Cat 1), H319 (Cat 2A), H336 (Cat 3)	0.2	08/14/2020	12347	3	None	None	II		
		my acetone1 AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	3.3e	11/03/2017	4789999	3	None	None	II		

3. Select  the **Edit Mode** button on the right top corner of the SDS.



← BACK COMPARE TEMPLATES 0.1

Powered by **Chemwatch**


TSCA PIP Phenol
Vendor 1
Part Number:
Version No: 0.1
Safety Data Sheet according to WHS and ADG requirements

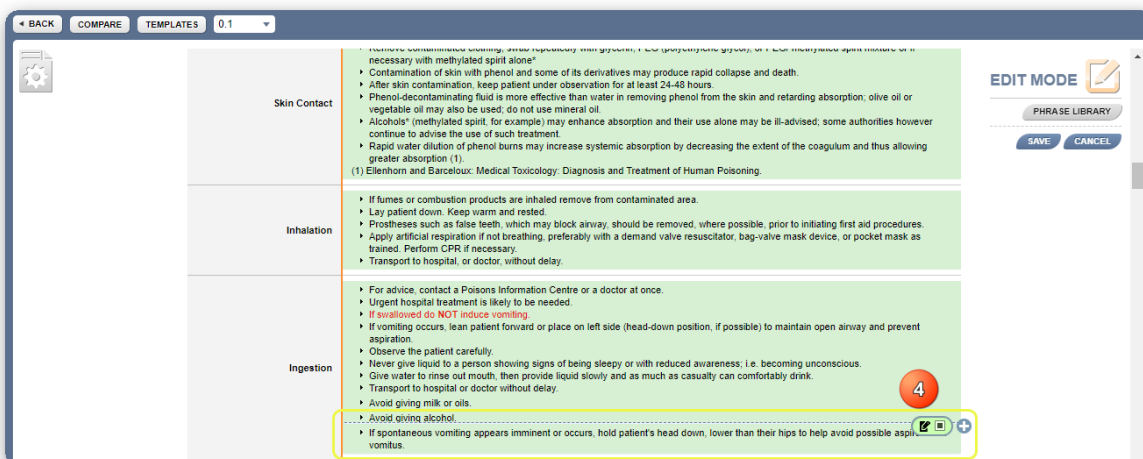
Chemwatch Hazard Alert Code: 3
Issue Date: 01/20/2022
Print Date: 01/20/2022
S.GHS.AUS.EN.RISK

SECTION 1 Identification of the substance / mixture and of the company / undertaking

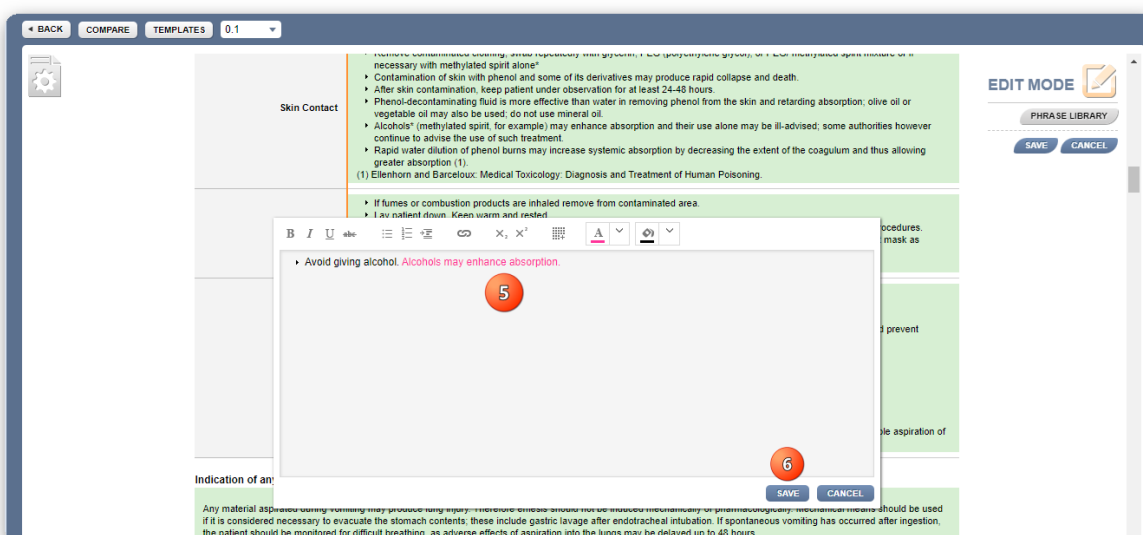
Product Identifier

Product name	TSCA PIP Phenol
Synonyms	Not Available
Proper shipping name	PHENOL, SOLID
Other means of identification	Not Available

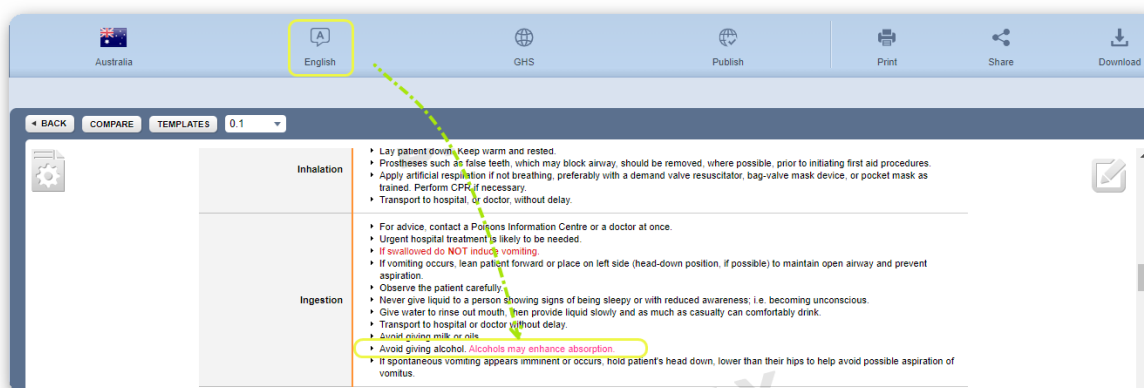
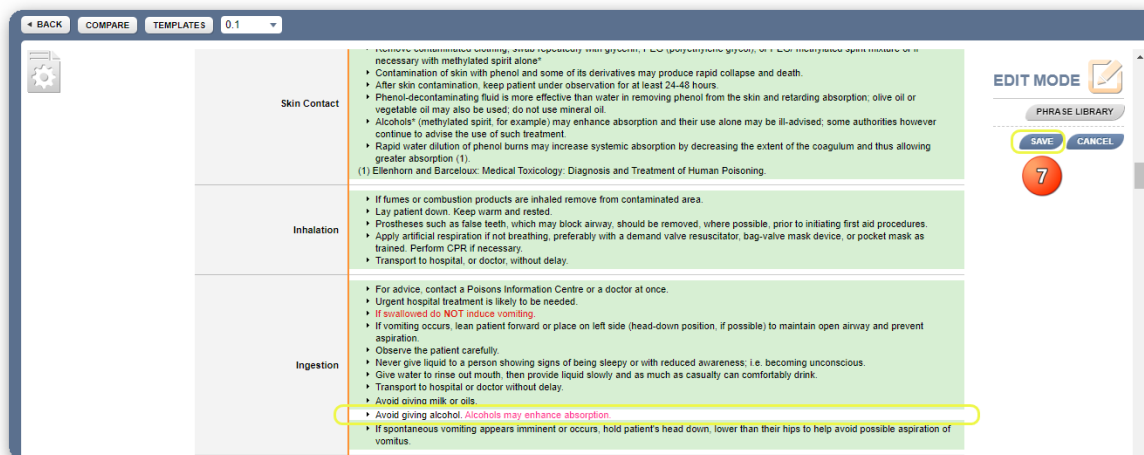
4. Select  the **content** to edit by using the edit icon.



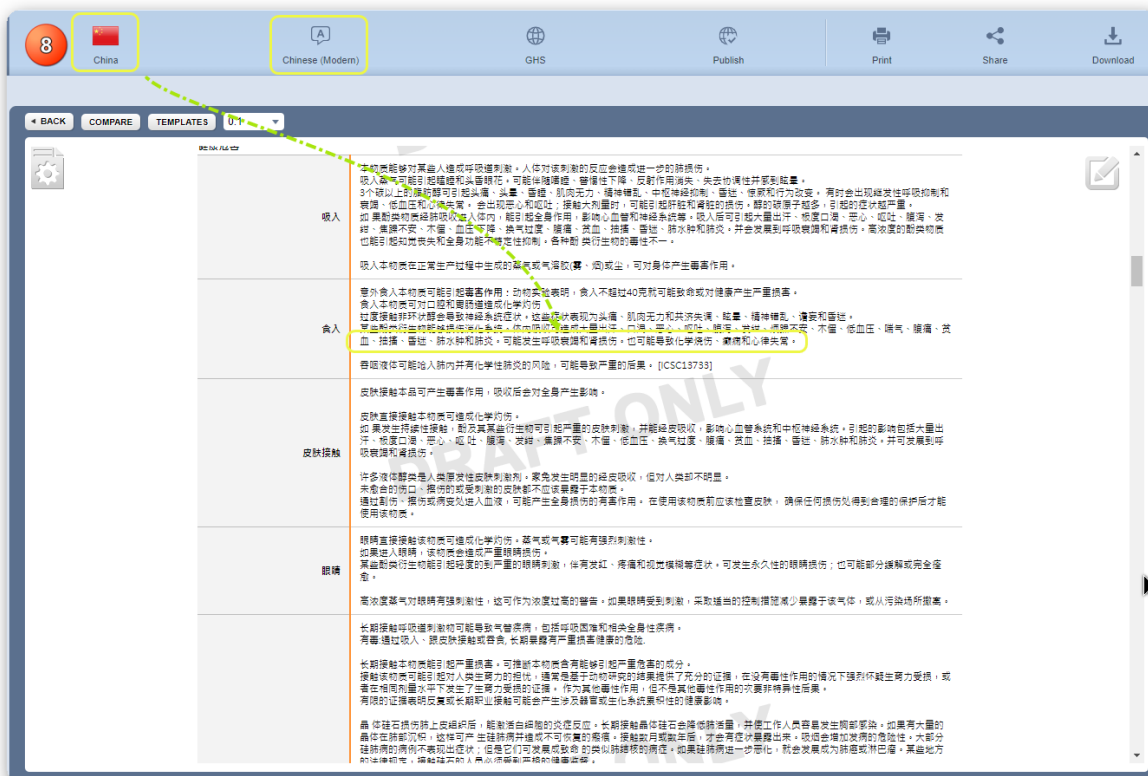
5. Type in the relevant information in the Editor.
6. Click the **Save** button.




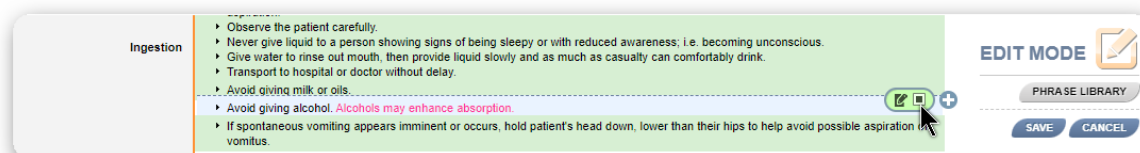
7. Click the **Edit Mode Save** button.



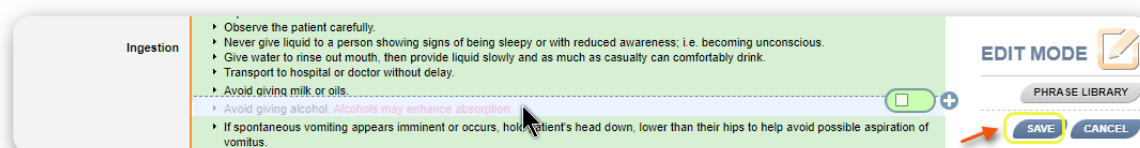
8. Click on the **Country** button from the toolbar to change the **Country** and Language, e.g., China/Chinese (Modern) or any desired available language from a specific country.



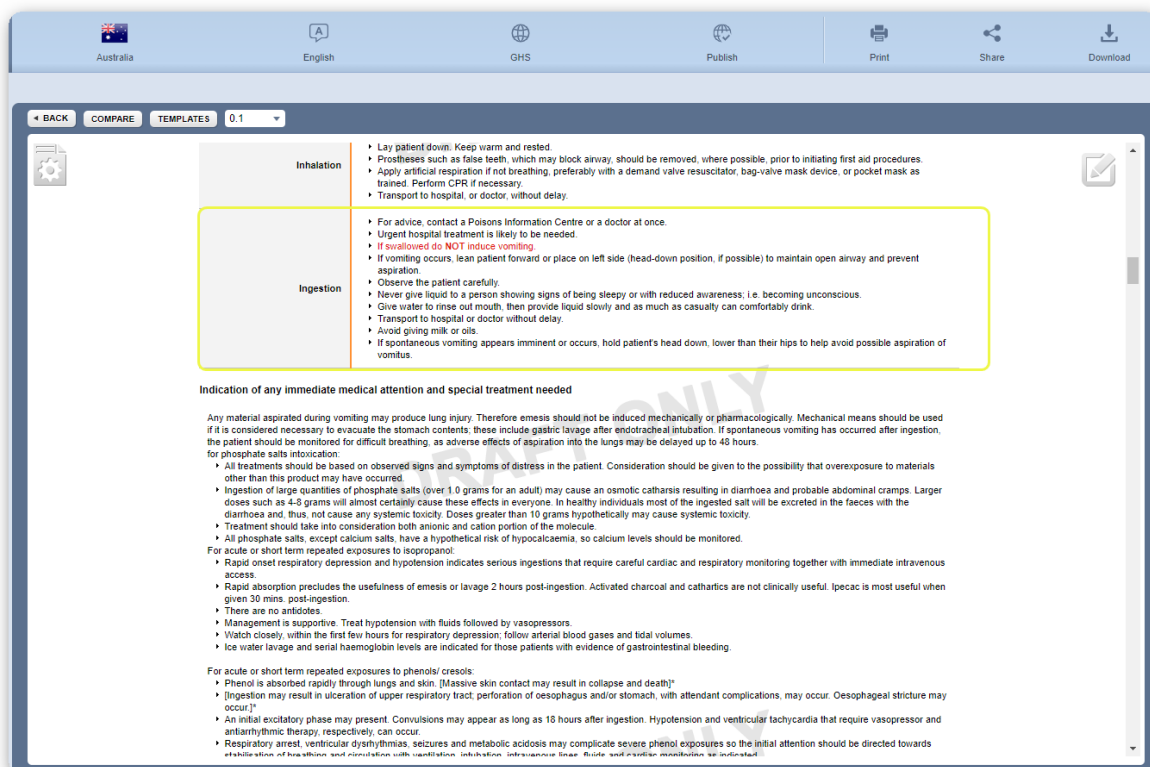
9. Click the squared checked icon  in the text edit line item to hide content (when in Edit Mode).



10. Line item (content) is now hidden that phrase. Click the **Save** button on the Edit Mode.



Phrase gets hidden from the SDS.



1.4.11 Update to Section 15 Japan SDS

Chemwatch's list of Japan CSCL chemicals have been updated to align with the latest Japan NITE regulations. Mixtures containing CAS Numbers that are present in the updated CSCL lists will show as "Yes" for Japan ENCS in the National Inventory Status table and the relevant regulations will be displayed in section 15 of the Japan SDS.

Steps: Improvement - Japan SDS in AuthorITe to Reference Relevant Regulations

Search panel

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name: Laboratory Reagent

Part Number: 459788-10

REACH Reg. No.

Issue Date: 12/11/2021

CAS No: 71-43-2

EC No: 200-753-7

UFI Numbers

UFI Generator

Uses

REACH Uses

Synonyms

MANUFACTURER'S DETAILS

CREDITE POSTER

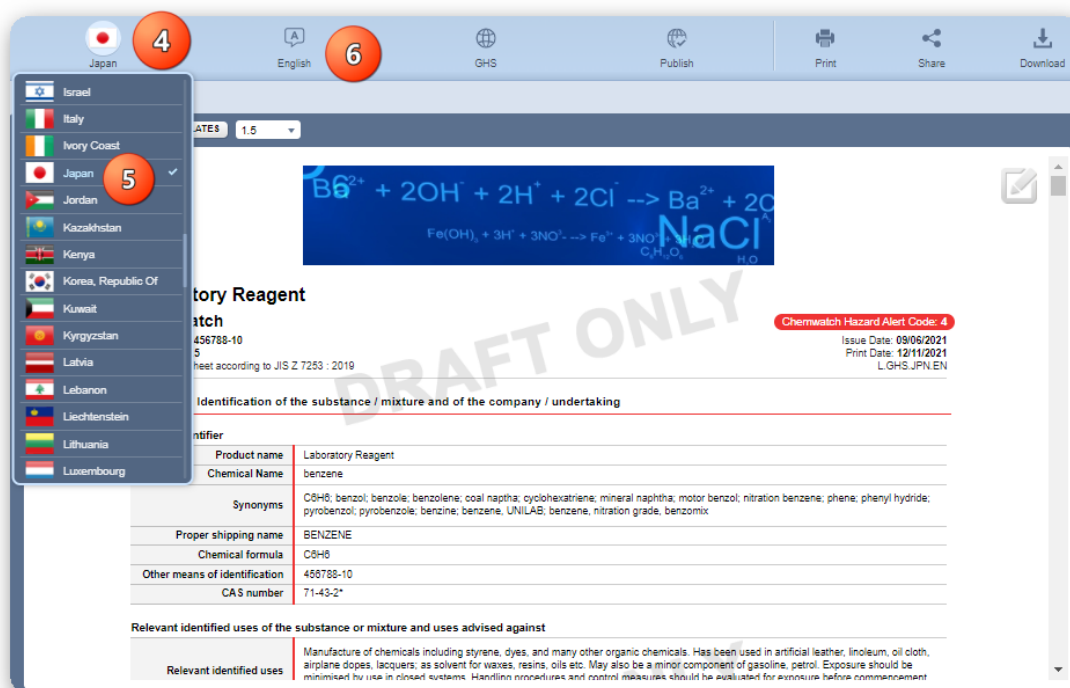
REVIEW INGREDIENTS

TOXICITY/IRRITATION

REVIEW CLASSIFICATION

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	PART NO	GHS	OGS1	OGS2	PKG	SDS ETC
		Solvent acetone mod pure	0.6	11/08/2021	123	3	None	None	II	
		acetone mixture	2.11	11/08/2021	123343	None	None	None	None	
		Laboratory Reagent	1.5	06/09/2021	459788-10	SDS				
		Tin Tin	0.1	26/04/2021	12335	6.1	None	III		
		Test Valspar 10591EG with Water	0.4	08/10/2020	XY-2555	3	None	None	III	
		acetone with water	2.0e	26/09/2020	4567	3	None	None	II	
		Thinner Solv	1.2i	29/01/2020	1234	3	None	None	II	

1. Open AuthorITe module.
2. Click on material name.
3. Select the SDS button for Gold SDS to render document.



4. Select the country button at the top bar to list the list of countries.
5. Select country Japan to re-load a Japanese SDS. For purposes of this release, the Japanese language (default to country Japan) has been changed to English for ease of reading.
6. Open the SDS sections settings.
7. Click on Section 15: Regulatory.
8. Reference the respective National Inventory Status and the CSCL regulatory information.
9. Change the language to Japanese.

Japan English GHS Publish Print Share Download

9

BACK COMPARE TEMPLATES 1.5

6 SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

benzene is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List	Japan Industrial Safety and Health Act (ISHA) - Harmful Substances Prohibited for Manufacture
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs	Japan Industrial Safety and Health Act (ISHA) - Harmful Substances Prohibited for Manufacture (Japanese)
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans	Japan Industrial Safety and Health Act (ISHA) - Specified Chemical Substances
Japan Chemical Substances Control Law - Existing/Newly Announced Chemical Substances (Japanese)	Japan Industrial Safety and Health Law (Japanese)
Japan Chemical Substances Control Law - Type II Monitoring Chemical Substances (before amendment)	Japan ISHA: Chemical Substances requiring Labeling and Deliver of Documents, etc.
Japan Chemical Substances Control Law - Priority Assessment Chemical Substances	Japan Occupational Exposure Limits
Japan Chemical Substances Control Law - Priority Assessment Chemical Substances (Japanese)	Japan Occupational Exposure Limits - Carcinogens
Japan GHS Classifications (Japanese)	Japan Occupational Exposure Limits - Reference values corresponding to an individual excess lifetime risk of cancer
Japan High Pressure Gas Safety Law	Japan PRTR Law
Japan Industrial Safety and Health Act (ISHA) - Dangerous Substances	Japan Working Environment Evaluation Standards
Japan Industrial Safety and Health Act (ISHA) - Dangerous Substances (Japanese)	

water, tritiated is found on the following regulatory lists

Not Applicable

acetone oil is found on the following regulatory lists

Not Applicable

Labeling and Deliver of Documents, etc. SDS required

Cabinet Order Name	Cabinet Order No.
Benzene	Attached table 9-531 of Cabinet order

Labeling, etc.

Cabinet Order Name	Cabinet Order No.
--------------------	-------------------

SECTION

- 1 Identification
- 2 Hazard Identification
- 3 Ingredients
- 4 First Aid
- 5 Fire Fighting
- 6 Spills
- 7 Handling and Storage
- 8 Exposure
- 9 Physical Properties
- 10 Reactivity
- 11 Toxicology
- 12 Ecotoxicology
- 13 Disposal
- 14 Transport
- 15 Regulatory
- 16 Other

FONT SIZE

Small

Normal

Large

VISUAL APPEARANCE

Base

Vanilla

Japan Japanese GHS Publish Print Share Download

Japanese English

BACK COMPARE TEMPLATES 1.5

セクション15 適用法令

物質又は混合物に特有な安全、健康および環境に関する規制

ベンゼン に関する適用法令

Japan Chemical Substances Control Law - Type II Monitoring Chemical Substances (before amendment)

Japan Occupational Exposure Limits - Carcinogens

ケミカル フットプリント プロジェクト - 高懸念化学物質リスト

化学物質の審査及び製造等の規制に関する法律 - 優先評価化学物質

国際がん研究機関(IARC) - IARCモノグラフにより分類された化学物質

国際がん研究機関(IARC) - IARCモノグラフにより分類された化学物質 - グループ 1: ヒトに対する発がん性がある

日本: 作業環境評価基準

日本: 労働安全衛生法

日本: 労働安全衛生法 - 危険物

日本: 労働安全衛生法 - 特定化学物質等

日本: 労働安全衛生法 (ISHA) - 製造等が禁止される有害物質等

日本: 化学物質の審査及び製造等の規制に関する法律 - 既存化学物質 / 新規公示化学物質

日本: 化学物質の審査及び製造等の規制に関する法律 - 旧第二種監視化学物質

日本: 化学物質の審査及び製造等の規制に関する法律 - 優先評価化学物質

日本: 政府によるGHS分類

日本: 許容濃度等

日本: 許容濃度等 - 通制発がん生体リスクレベルと対応する許容値

日本: 労働法: 名称等を表示し、又は通知すべき危険物及び有害物質

特定化学物質の環境への排出量の把握等及び管理の改善の促進に関する法律 (PRTR法)

高圧ガス保安法

water, tritiated に関する適用法令

該当しない

acetone oil に関する適用法令

該当しない

名称等を表示し、又は通知すべき危険物及び有害物質

文書の交付

法令名称	法令番号
ベンゼン	別表第9の531

名称等を表示すべき危険物及び有害物質

法令名称	法令番号
ベンゼン	別表第9の531

製造の許可を受けるべき有害物質

法令名称	法令番号
ベンゼン	別表第9の531

BACK COMPARE TEMPLATES 1.5

P391 Collect spillage.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Precautionary statement(s) Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary statement(s) Disposal
P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

CAS No	%[weight]	Name	Class Reference No. in the Gazette List	ISHL	Nanoform Particle Characteristics
71-43-2	40, 40 (Representative Value)	benzene	3-1	4-(15)-185	Not Available
14940-65-9	50	water, triated	-	-	Not Available
Not Available	10	acetone oil	-	-	Not Available

Legend: [a] Substance identified as having endocrine disrupting properties

Mixtures
See section above for composition of Substances

SECTION 4 First aid measures

Description of first aid measures

- GET MEDICAL ATTENTION IMMEDIATELY
- Remove victim to a restricted area for decontamination.

BACK COMPARE TEMPLATES 1.5

PRTR - Pollutant Release and Transfer Register
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

PD SCL - Poisonous and Deleterious Substances Control Act

Organic Chemical Substance Not Applicable
Specified Chemical Substances Group-2 substances

Classification	Cabinet Order Name	Cabinet Order No
A specified Class I Designated Chemical Substances	Benzene	1-400

Not Applicable

CSC - Chemical Substances Control Law

Priority Assessment Chemical Substances	Benzene
Class I Specified Chemical Substances	Not Applicable
Class II Specified Chemical Substances	Not Applicable
Monitoring Chemical Substances	Not Applicable
General Chemical Substances	Not Applicable

National Inventory Status

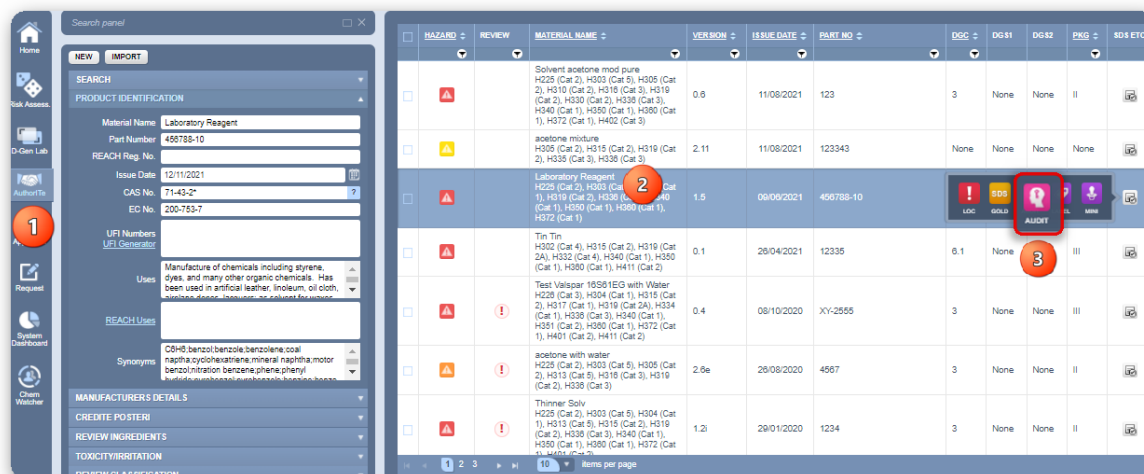
Industrial Use	Status
Canada - DSL	No (water, triated)
Canada - NDSL	No (benzene, water, triated)
China - IECSC	No (water, triated)
Japan - ENCS	No (water, triated)

1.4.12 Update to Section 15 Japan SDS

We have now included the Material Name, Version Number, Issue Date and Print Date of the material in the Audit report. This will give users more context when looking at Audit reports alone (e.g. if the Audit report document had been printed, shared or downloaded without the SDS attached) and reduce confusion about what material is being evaluated. Rational reports will now also inform readers from where each ingredient's classification is sourced from, as demoted using different superscript symbols.

The steps below illustrate how to generate an Audit Report for material SDS created AuthorITe.

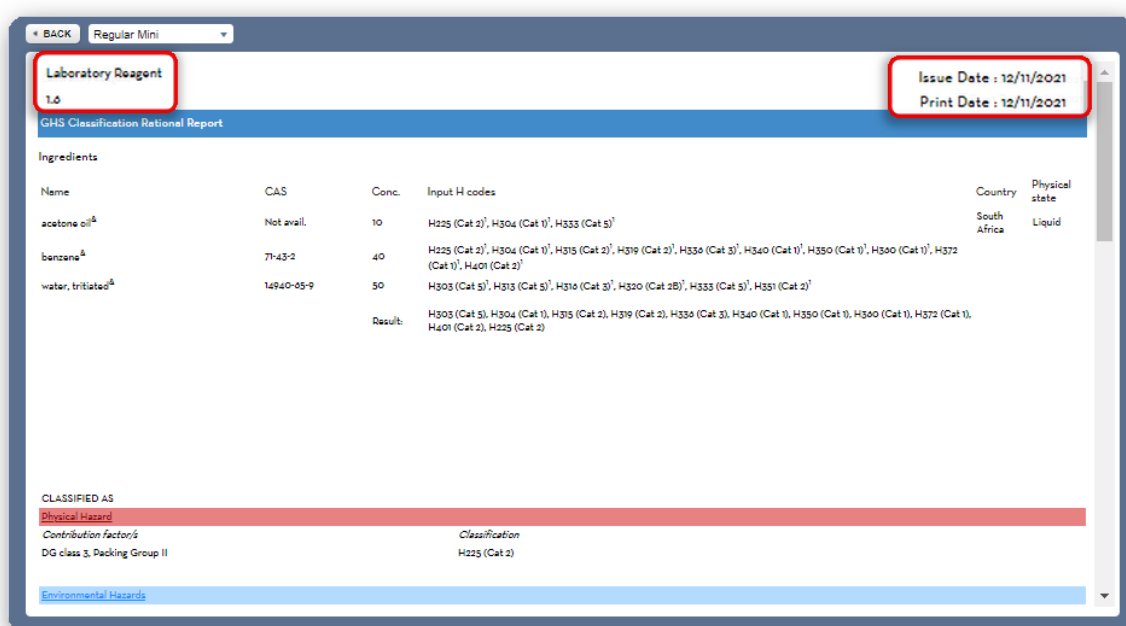
Steps: Generating Audit Report for a Material in AuthorITe



1. Open AuthorITe module.
2. Click on material name.
3. Hover over the SDS ETC button and select the Audit Report button.
4. On the top left corner of the report the material name and the SDS version are shown.

5. On the top right corner of the report the issue date and print date are shown.
6. Scroll down the report to the legend section at the bottom.

The meanings of these symbols are explained in the Audit report legend.



The Audit Report Legend

benzene
Classified as H315 (Cat 2)

H315 (Cat 2) 40 >= 10

Aspiration

Contributing Ingredient/s	Classification	Concentration	GHS Cutoff
acetone oil	H304 (Cat 1)	10	>= 10
benzene	H304 (Cat 1)	40	>= 10

Classified as H304 (Cat 1)

Acute Toxicity (Oral)

Classification category or experimentally obtained acute toxicity range estimate	Converted acute toxicity point estimate	Hcode and Category
0 - Category 1 >= 5	0.5	H300 (Cat 1)
5 - Category 2 >= 50	5	H300 (Cat 2)
50 - Category 3 >= 300	100	H301 (Cat 3)
300 - Category 4 >= 2000	500	H302 (Cat 4)
2000 - Category 5 >= 5000	2500	H303 (Cat 5)

100/ATEmix = Sum of (Ci/ATEi)/n
Ci = concentration on ingredient i
n = number of ingredients and i is running from 1 to n
ATEi = Acute toxicity estimate of ingredient i

Contributing Ingredient/s	Classification	Concentration	ATEmix
water, tritiated	H303 (Cat 5)	50	
Total			5000

Classified as H303 (Cat 5)

Legend: 1.Generated H codes 2. User Defined H codes *. Classification drawn from local regulations &. Classified by Chemwatch

1.4.13 Inclusion of H320 Category A and H231 Category B for Philippines SDS

Previously, H230 Category A and H231 Category B were excluded from the Philippines jurisdiction entirely. This was incorrect as the Philippines currently follow GHS revision 4, which does adopt H230 and H231.

The Hazard (H) Codes in the Review Classification tab have been updated to reflect this improvement. We have also ensured that these HCodes will not appear as concatenated H220+230 or H220+H231 in the Philippines SDS as they would for GHS Revision 7+ countries, since revision 4 countries do not adopt the concatenated HCodes. The following steps show the inclusion of H230 Category A and H231 Category B classification codes in the Philippines SDS.

Steps: Inclusion of H320 Category A and H231 Category B – Philippines SDS

1. Open AuthorITe module.
2. Click on material name to load data in the form.
3. Click the review classification tab.
4. Select the GHS H230 and H231 checkboxes
5. Click the country button located on the toolbar at the top of the user interface.
6. Select the country – Philippines to render the SDS in Tagalog (Filipino).
7. Change language to English or leave the default Philippine language.

Home

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITS PORTERS

REVIEW INGREDIENTS

TOXICITY/IRRITATION

REVIEW CLASSIFICATION

1

2

3

4

5

UPDATE TEMPLATE

CHEMWATCH ENTICOURAGE

Live Help Chat

UNID Number	DG Class	Sub Risk 1	Sub Risk 2	Packing Group	Shipping Name	N.O.S. Inp lookup
1114	3	None	None	II	BENZENE	

Philippines

Tagalog (Filipino)

GHS

Publish

Print

Share

Download

5

7

6

ATES 1.9

Laboratory Reagent

Chemwatch Hazard Alert Code: 4

Isyu Petsa: 12/11/2021

Print Petsa: 12/11/2021

L.GHS.PHL.TG

Identification ng sangkap / timpla at ng kumpanya / trabaho

Identifier	Laboratory Reagent
gagan ng produkto	Hindi Magagamit
Kasingkahulugan	C6H6; benzol; benzole; benzolene; coal naphtha; cyclohexatriene; mineral naphtha; motor benzol; nitration benzene; phene; phenyl hydride; pyrobenzol; pyrobenzole; benzene, UN149; benzene, nitration grade, benzomix
Tamang pagpapadala name	BENZENE
Chemical formula	C6H6
Iba pang mga paraan ng pagkakakilanlan	456788-10
Cas bilang	71-43-2*

Philippines

English

GHS

Publish

Print

Share

Download

BACK

COMPARE

TEMPLATES




1.9

SECTION 2 Hazards identification

Classification of the substance or mixture

Classification	Germ Cell Mutagenicity Category 1, Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3, Flammable Liquids Category 2, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2, Specific Target Organ Toxicity - Repeated Exposure Category 1, Aspiration Hazard Category 1, Carcinogenicity Category 2
----------------	--

Label elements

Hazard pictogram(s)	  
Signal word	Danger

Hazard statement(s)

H340	May cause genetic defects.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure. (STOT information - only training here) (Inhalation)
H304	May be fatal if swallowed and enters airways.
H351	Suspected of causing cancer.

AuthorITe User Guide, version 3.4

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2.0 Search, Create, Edit and Publish SDS

This chapter will cover the following main objectives:

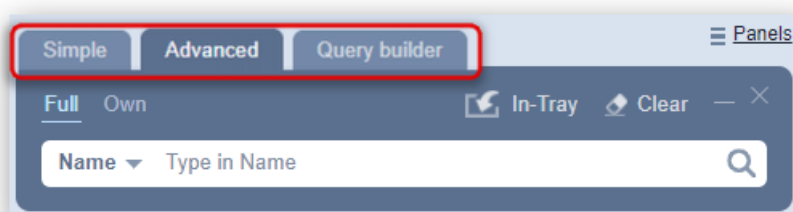
- Search for material
- Printing, saving and emailing materials list
- Advanced search options
- SDS settings
- Editing SDS content & Green Edits
- Publishing SDS
- User defined Phrases (Phase Library)
- Compare SDS



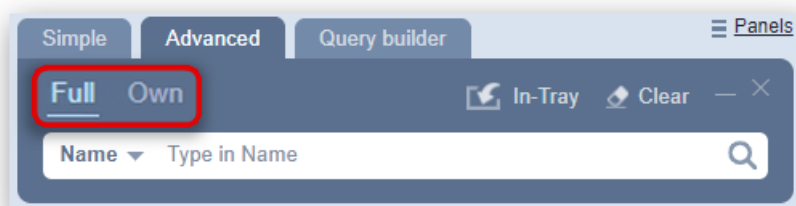
The AuthorITe  mode contains specific user interface elements that enable authors to search for materials, ingredients, create SDS by following the recommended chronological order presented in the introduction.


However, it is imperative to begin by discussing the search mode. The Search Panel has been redesigned and enhanced with a brand-new chemical search engine for the Full collection and Own inventory search functionality. This panel contains three main search tab options:

- Simple Search (this is the default active tab)
- Advanced Search and
- Query Builder

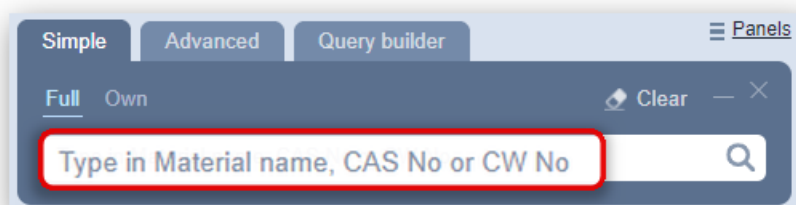


The elastic search is simplified, optimized, and adapted for all type of searches to be 10 times faster in detecting and finding chemical/material names to its exact document and if not, locates the closest match available.

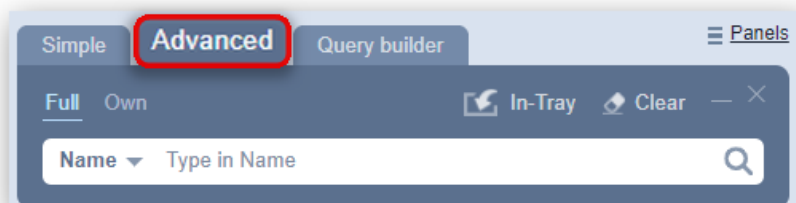



The **Simple Search** has been redesigned to a clean and aesthetic interface that contains a single search text box  which enables users to search the categories below:

- Material name
- Cat name
- CW (Chemwatch) Number
- CAS number

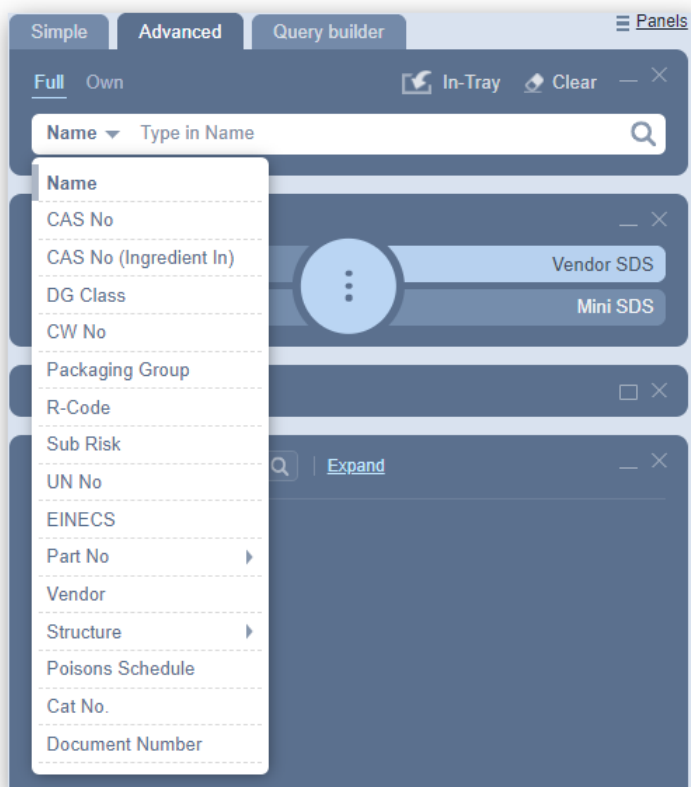


The **Advanced Search** was also simplified for improved usability.

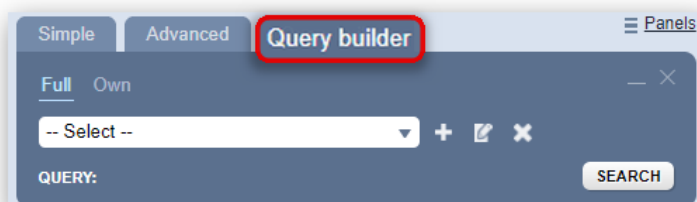


The Advanced Search text field  has a drop-down arrow that allows users to select a category from the drop-down list to then perform a search via:

- Name/CAS/CW
- CAS No. (Ingredient-In)
- DG Class
- UN No
- Cat No and many more...



The **Query Builder** Search tab is updated to allow users to create their own search query for a more detailed search such as looking for a material with a certain DG Class, Packing Group, etc.



The **Full Search Results** are enhanced through the following interface.

- Materials table (grid) view
- New search results filter options' tile view (side panel).

About 30864 results (0.481 seconds)

1 2 3 4 5 6 7 8 9 >

Track	Material Name	Part No.	Cw Number	Cas	Tags	Red Flag	Country	Language	Vendor
<input type="checkbox"/>	ACETONE	Gold VGD UGD	123	1090	67-64-1		Canada	English	Brenntag
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		United States	English	Sciencelab.com
<input type="checkbox"/>	ACETONE	Gold VGD UGD	123	1090	67-64-1		France	French	Morgan Crucible Group (Thermal Ceramics)
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		India	English	Fisher Scientific (Thermo Electron)
<input type="checkbox"/>	ACETONE	Gold VGD UGD	123	1090	67-64-1		United States	English	Ace Hardware
<input type="checkbox"/>	ACETONE	Gold VGD UGD	123	1090	67-64-1		United States	English	Barton Solvents
<input type="checkbox"/>	acetone	Gold VGD UGD	123	1090	67-64-1		United States	English	Sherwin-Williams
<input type="checkbox"/>	Acetone	Gold	123	1090	67-64-1		Colombia	Spanish	Cistema-Suratap
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		Australia	English	CSR (ReadyMix Group)
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		United States	English	SUNNYSIDE CORPORATION
<input type="checkbox"/>	Acetone	Gold	123	1090	67-64-1		Germany	English	Kryolan
<input type="checkbox"/>	ACETONE	Gold	123	1090	67-64-1		United Kingdom	English	Alcohols
<input type="checkbox"/>	Acetone	Gold	123	1090	67-64-1		France	French	Institute National De Recherche et De Securi
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		United States	English	Gentek (General Chemical Corp)
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		Canada	English	Caledon Laboratories
<input type="checkbox"/>	Acetone	Gold VGD UGD	123	1090	67-64-1		Australia	English	Redox Pty Ltd

Grouping by CW number

Document Type

☒ Gold 23312 ☒ Vendor 7552

Vendors

☐ Sigma-Aldrich (Merck) 9313

☐ Alfa Aesar (a part of Thermo Fisher (Kandel) GmbH) 2317

☐ Sigma Aldrich (as MiliporeSigma, Merck) 2041

☐ Tokyo Chemical Industry Co (TCI Europe) 1973

☐ Merck 1719

more ▾

Countries

☐ United States 6623

☐ Germany 3663

☐ Australia 2257

☐ Canada 1715

☐ United Kingdom 1549

more ▾

Languages

☐ English 14667

☐ French 2362

☐ German 1949

☐ Italian 1794

☐ Spanish 1651

more ▾

Tags

☐ Red Tag DG 3 8

☐ CLP Hazardous 6

☐ Tags for Query 1

Clear Filters

The **New Full Search Results Filter** options will display groups of filters to allow for further querying the 'found records' by selecting/deselecting the type of filter: Grouping by CW Number, Countries, Languages, etc.

Grouping by CW number

Document Type

☒ Gold 23312 ☒ Vendor 7552

Vendors

☐ Sigma-Aldrich (Merck) 9313

☐ Alfa Aesar (a part of Thermo Fisher (Kandel) GmbH) 2317

☐ Sigma Aldrich (as MiliporeSigma, Merck) 2041

☐ Tokyo Chemical Industry Co (TCI Europe) 1973

☐ Merck 1719

more ▾

Countries

☐ United States 6623

☐ Germany 3663

☐ Australia 2257

☐ Canada 1715

☐ United Kingdom 1549

more ▾

Languages

☐ English 14667

☐ French 2362

☐ German 1949

☐ Italian 1794

☐ Spanish 1651

more ▾

Tags

☐ Red Tag DG 3 8

☐ CLP Hazardous 6

☐ Tags for Query 1

Clear Filters

Filter using Grouping by Chemwatch Number

Filter using Document Type – Gold or Vendor

Filter using Vendors

Use "More" drop down to expand for further listing

Filter using Countries

Filter using Languages

Filter using existing Tags

The selected filter options will apply the conditions for the material document list result. Your found SDS records will be based on set filters.

COUNTRY

Australia

LANGUAGE

English

DOCUMENT TYPE

Gold Vendor

PRINT

SEND TO

SAVE

Search Full - Name/CAS/CW: acetone

Material: Acetone

BACK

TRACK	PART NO.	NAME	VENDOR	TYPE	LANGUAGE	COUNTRY	SOURCE	ISSUE DATE
<input type="checkbox"/>	123	Acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	04/10/2017
<input type="checkbox"/>	123	acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	04/10/2017
<input type="checkbox"/>	123	Acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	22/09/2017
<input type="checkbox"/>	123	Acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	09/08/2016
<input type="checkbox"/>	123	Acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	05/08/2016
<input type="checkbox"/>	123	Acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	English	Australia	Primary	18/07/2016
<input type="checkbox"/>	123	acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	ANY	ANY	Secondary	25/02/2016
<input type="checkbox"/>	123	acetone	<input type="checkbox"/> Sigma-Aldrich (Merck)	SDS	ANY	ANY	Secondary	25/02/2016

☐ Grouping by CW number

Document Type

☒ Gold 23312
 ☐ Vendor 7552

Vendors

☐ Sigma-Aldrich (Merck) 9313
 ☐ Alfa Aesar (a part of Thermo Fisher (Kandel) GmbH) 2317
 ☐ Sigma Aldrich (as MiliporeSigma, Merck) 2041
 ☐ Tokyo Chemical Industry Co (TCI Europe) 1973
 ☐ Merck 1719

more

Countries

☐ United States 6623
 ☐ Germany 3663
 ☐ Australia 2257
 ☐ Canada 1715
 ☐ United Kingdom 1549

more

To view more filter option records; a more” drop-down function has been introduced to further look-up the found search records.

More vendors

☐ Sigma-Aldrich Chemie BV 851
 ☐ Alfa Aesar (a part of Thermo Fisher Scientific Chemicals, Inc.) 69
 ☐ MP Biomedicals 377
 ☐ Acros Organics (Fisher Scientific) 304
 ☐ Tokyo Chemical Industry Co (Tokyo Kasei Kogyo Co) 244
 ☐ Acros Organics (part of Thermo Fisher Scientific) 236
 ☐ Johnson Matthey 235
 ☐ VWR (Part of Avantor) 232
 ☐ TCI America 228
 ☐ Chem Service 215
 ☐ ATSDR Information Center 209
 ☐ Dinochem 200
 ☐ Airgas (a part of Air Liquide) 197
 ☐ Glentham Life Sciences 173
 ☐ AK Scientific 171
 ☐ Accustandard 169
 ☐ Triwax Chemical 168

The “more” option will display another window to show available records to choose from. For example; the “More Vendors” window is shown below containing much more records.



2.1 Search for Material


This sub-topic will cover the following activities:

- Search for material in Full collection
- Search by CAS number using advanced search
- Prepopulate the form with data
- Submit the form data to create SDS
- Publishing SDS
- Interpreting the materials table
- Print materials list, share (email) and download (save)
- SDS issue date versus issue date in Product Identification form
- Search for material in Own inventory






2.1.1 Search by Material Name in Full Collection

The following illustrate the steps with screen capture on 'how to use the simple search' autocomplete method, to look up  Chemwatch pure chemicals in the full collection .

 The search criterion is restricted to only search in FULL: GOLD Pures ONLY and OWN: All User SDS. A GOLD Pure is a Chemwatch authored material for pure chemicals whereas a User SDS is authored by you in your own domain.

Steps: Searching for Material Name in Full Collection

1. Press the **Simple** search button from within the search panel.
2. Click the '**Full**' search option to look up  for the pure chemical from the Chemwatch full database collection.
3. Set the **Country**  from the drop-down arrows ▼ (i.e., if your search mode is not set to your specific country).
4. Set the **Language**  from the drop-down arrow ▼ (i.e., if your search mode is not set to your specific language).
5. Type the **name of the pure chemical or CAS number**, in this example, a pure chemical name is used.



6. Select the **autocomplete chemical name** from the drop-down list.
7. Check the side panel for the filtered **document type, country, and language** on the right-hand side of the grid, for example, the results are based on set country and language parameters set from the search panel in step 3 above. You may also move your mouse pointer to the exact pure chemical name (that has a Gold SDS tagged icon) from the list for a summary about the material.

<input type="checkbox"/>	Track	Name	Part No.	CW NUMB...	CAS	Tags	Red Flag
<input type="checkbox"/>		Acetone					
<input type="checkbox"/>		acetone					
<input type="checkbox"/>		Acetone					
<input type="checkbox"/>		ACETONE					

Matched by:

Synonyms: 101405: DAVID CRAIG ACETONE 100ML, 101404: DAVID CRAIG ACETONE 500ML, Ashland Acetone ECD Mobil 878033 971934

Name: acetone

8. Select the **pure chemical name** from the autocomplete search result list to automatically populate the authoring form.

i If the GOLD pure chemical data is available, you can use the method above to load it into the authoring form to create a modified pure chemical. Refer to the screenshots below for the various data automatically inputted into each tab.

9. Select the **Product Identification** tab to view details.


i If the Vendor checkbox ☐ is selected by default from your search results filters on the side panel, turn it off to filter out the GOLD Only related results.


10. Select the **Manufacturers Details** tab to view details. In this example, there is no preferred vendor assigned for pure in this account and hence will be shown as empty.

11. Select the **Credite Poster** tab to view the respective ingredient(s) and proportion (%). In this example, I have loaded a GOLD pure chemical from the Full Chemwatch database, that is Acetone. Notice the material only consists of one ingredient with a proportion composition of 95-99.5 % acetone. The physical properties data points have also been drawn from existing GLD pure chemical from the Full Chemwatch database. Data points assigned as “Not Applicable” or “Not Available” means that the information is not applicable or unknown as per Chemwatch research on the material.

i Note that this example is to demonstrate how the various pieces of data get populated in the product form. To create your own SDS go to “how to create your own SDS”.

12. Select the **Review Ingredients** tab to review the ingredients and proportion %. In this example, the pure chemical contains only one ingredient (acetone) with a proportion composition of 95-99.5%. Notice the default hazard classification codes are based on GHS (CLP). This section is where to review, edit the ingredient name and/or proportion, sanitise the ingredient(s) or add/remove ingredient(s) and its respective proportion composition for the material.

 Note that this example is to demonstrate how the various pieces of data get populated in the product form. To create your own SDS go to “how to create your own SDS”.

13. Following the **Review Ingredients** form tab, click on the single ingredient “**Edit**”  button to view the existing information of the selected ingredient. This section is where you can add/remove existing H Code data. When doing this, make sure to add a catalogue number and CAS No. with asterisk (*) – this will result in creating a “modified pure chemical” once you

submit the changes. You may also use the **Add +** button to add a brand new “modified pure chemical”.

Review Ingredient

Ingredient Name: acetone

Catalogue Number:

Cas No: 67-64-1*

Hazard Codes: H225 (Cat 2), H319 (Cat 2A), H336 (Ca)

GHS(CLP) **ON**

- ☐ H340 Germ cell mutagenicity Category 1B
- ☐ H341 Germ cell mutagenicity Category 2
- ☐ H350 Carcinogenicity Category 1A
- ☐ H350 Carcinogenicity Category 1B
- ☐ H351 Carcinogenicity Category 2
- ☐ H360 Reproductive Toxicity Category 1A
- ☐ H360 Reproductive Toxicity Category 1B
- ☐ H360D Reproductive Toxicity Category 1A
- ☐ H360D Reproductive Toxicity Category 1B

SUBMIT CANCEL

Figure: Edit Ingredient window

Review Ingredient

Ingredient Name:

Catalogue Number:

Cas No: ?

Hazard Codes:

GHS(CLP) **ON**

- ☐ AUH001
- ☐ AUH006
- ☐ AUH014
- ☐ AUH018
- ☐ AUH019
- ☐ AUH029
- ☐ AUH031
- ☐ AUH032
- ☐ AUH044

SUBMIT CANCEL

Figure: Add Ingredient as part of the Review

i Note that this example is to demonstrate how the various pieces of data get populated in the product form. To create your own SDs go to “how to create your own SDS”.

14. Select the **Toxicity/Irritation** tab to view the classification calculated for the material.

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTERI

REVIEW INGREDIENTS

TOXICITY/IRRITATION

Toxicity Environment

ADD NEW

ROUTE	SPECIES	EXPOSURE TYPE	VALUE	UN
Oral	Human	LD50		mg

Oral No Classification
 Dermal No Classification
 Inhalation No Classification

REVIEW CLASSIFICATION

DA NGEROUS GOODS

Figure: Toxicity Data if available

TOXICITY/IRRITATION

Toxicity Environment

Ecotoxicity Environ.Fate

ADD NEW

DURATION	SPECIES	EXPOSURE T...	VAL
-	Fish Danio rerio(Zebra Fish)	EC50	

M Factor: 0 H Codes:

Figure: Ecotoxicity data if available

TOXICITY/IRRITATION

Toxicity Environment

Ecotoxicity Environ.Fate

☐ Dissolved Organic Carbon \geq 70% removed(28 day study)
☐ Oxygen Depletion \geq 60% of the theoretical maximum(28 day study)
☐ CO2 Generation \geq 60% of the theoretical maximum(28 day study)
 OR ☐ BOD5/COD \geq 0.5
 OR ☐ Biotic or Abiotic in aquatic environment \geq 70% (28 day study)

OTHER

ADD NEW

TEST	VALUE	UNIT
<input type="checkbox"/> Inorganic metals <input type="checkbox"/> Inorganic compounds		

PBT CRITERIA

☐ P ☐ B ☐ T
☐ vP ☐ vB

PBT Not Classified
 vBP Not Classified


Figure: Environ.Fate criteria to apply



15. Select the **Review Classification** tab to view the classification criteria for calculated risk/hazard codes and/or use Chemwatch Hazard Plus data.

The screenshot shows the 'REVIEW CLASSIFICATION' window. At the top, there are two tabs: 'ON GHS(CLP)' and 'OFF HAZARD PLUS'. Below the tabs, there are three checkboxes: 'Generated' (checked), 'Deleted', and 'UserDefined'. A list of hazard codes and descriptions is displayed, including H319, H336, AUH066, H225, H220, H222, H223, H224, H226, H227, H228, H240, and H241. The 'Generated' checkbox is highlighted with a red box.

16. Select the **Dangerous Good** tab to view the transport classification information. If the material is classified as a dangerous good, the applicable classification information will be shown in the respective fields drawn from the Full Chemwatch database.

The screenshot shows the 'DANGEROUS GOODS' section of the software interface. It includes a search bar, a list of tabs (NEW, IMPORT, SEARCH, PRODUCT IDENTIFICATION, MANUFACTURERS DETAILS, CREDITE POSTER, REVIEW INGREDIENTS, TOXICITY/IRRITATION, REVIEW CLASSIFICATION), and a form for entering dangerous goods information. The form fields include UNID Number (1090), DG Class (3), Sub Risk 1 (None), Sub Risk 2 (None), Packing Group (II), Poisons Schedule (S5), Shipping Name (ACETONE), and a link for N.O.S. Ing lookup. There are also buttons for 'OFF SUGGEST' and 'SUBMIT'.


The next topics delve into the creation of SDS, editing and publishing a final SDS  for internal or external use.

 Use the Clear button  from the search panel to remove the current search and its results to start a new search criterion.




2.1.2 Search by CAS Number, Create SDS and Publish

The following steps show you how to use the “simple search” to search for an ingredient via material name, CAS number or CW number from the Full Chemwatch database collection

 Full

 Note that the search criterion is restricted to only search in FULL: GOLD Pures ONLY and OWN: All User Silvers. A GOLD Pure is a Chemwatch authored material for pure chemicals whereas a User Silver is user authored within your own domain/company.

Steps: Searching by CAS Number, Creating SDS and Publishing

1. Press the **Simple search** button from within the search panel.
2. Click the ‘Full’ search option to look up  for the chemical by CAS Number from the Chemwatch full database collection.
3. Set the **Country**  from the drop-down arrow ▼ (i.e., if your search mode is not set to your specific country).
4. Set the **Language**  from the drop-down arrow ▼ (i.e., if your search mode is not set to your specific language).



The screenshot shows the Chemwatch search interface. At the top, there are tabs for 'Simple' (highlighted with a red circle 1), 'Advanced', and 'Query builder'. Below the tabs, there is a 'Full' search option (highlighted with a red circle 2). A search bar contains the placeholder text 'Type in Material name, CAS No or CW No'. Below the search bar, there are two dropdown menus: 'Country' (highlighted with a red circle 3) and 'Language' (highlighted with a red circle 4). The 'Country' dropdown is open, showing a list of countries including Australia, Austria, Azerbaijan, Bahamas, Bahrain, Bangladesh, Belarus, Belgium, Bermuda, Bolivia, and Bosnia and Herzegovina. The 'Language' dropdown is also open, showing a list of languages including Any, Albanian, Arabic, Belarusian, Bengali, Bulgarian, Chinese (Modern), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English (checked), and Estonian. Below the dropdowns, there are fields for 'Packing Group' (set to II), 'Poisons Schedule' (set to S5), 'Shipping Name' (set to ACETONE), and 'N.O.S. Ing lookup'. At the bottom, there is a 'SUGGEST' button with a red 'OFF' toggle and a 'SUBMIT' button.

5. Type the **CAS number** in the Material name, CAS No or CW No text field.

CAS No.	Not Avail*
EC No.	Not Avail*
	None
UFI Numbers	Value

12. Type the **UFI Numbers** (if available) in the respective text field.
13. Apply **REACH Uses** (for the EEA market).
14. Review the **Synonyms** where applicable.
15. Select the **Manufacturers Details** tab to view any details. In this worked example, there's no preferred vendor assigned in your domain account and hence will be shown as empty. Otherwise, search for available Vendor for your preferred vendor list or select the **Add +** icon to enter the respective details in the manufacturer's text fields, e.g., Chemwatch details are used in this example.

MANUFACTURERS DETAILS

Company Name	Chemwatch	+
Address	1227 Glen Huntly Rd, Glen Huntly, VIC, Australia	
Telephone 1	+61 3 9573 3100	
Telephone 2		
Emergency Organisation	Chemwatch	
Emergency 1	+61 3 9573 3100	
Other Emergency Number		
Fax		
Email	info@chemwatch.net	
Website	www.chemwatch.net	

16. Select the **Credite Posteri** tab to view the respective ingredient(s) and proportion (%). In this example, the pure chemical contains only one ingredient with a proportion composition of 95-99.5% acetone. Notice the available physical properties data inputs from the various data points drawn from the existing GOLD Pure chemical within the Full Chemwatch database. For other data points that are assigned as "Not Applicable or Not Available, this means that the information generated at that is Not Applicable or Not available from the database or unknown as per Chemwatch research.
17. **Review the ingredient's proportion % composition**, e.g., changed to 60%.

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTERI **16**

NAME/CAS NO.	PROPORTION %
1 acetone	95-99.5
2	17
3	

State: Liquid

Water Solubility: Miscible

pH: Not Applica... pH as a solution: Not Applica... at %

Flash Point (C): -17 ? SG/Density (g/cm3): 0.79 @ 20 C ?

Lower Explosive Limit (%): 2.6 ? Upper Explosive Limit (%): 12.8 ?

Boiling point/Range (C): 56 ? Melting point/Range (C): -95.4 ?

Autoignition Temperature (C): 465 ? Decomposition Temperature (C): Not Available

Volatiles (%vol): 100 ? Molecular Weight: 58.08 ?

Relative Vapour Density: 2.0 ? Vapour Pressure (kPa): 24 @ 20 C ?

Viscosity (cSt): Not Available Total VOC g/l: Not Available

Evaporation Rate: 11 BuAc=1 VFast Not Available

Appearance: Clear, colourless, highly volatile, highly ? MORE

18. **Add another ingredient** if applicable and the appropriate proportion % composition for the new product. In this example, the initial ingredient is changed to 60% proportion. Another ingredient has been added as benzene with a 40% proportion. To add another ingredient, go to the second line field and type the name of the ingredient (or type the respective CAS Number if available), e.g., benzene.
19. **Select the ingredient** from the autocomplete list (which contains hazard codes as its classification from the database).
20. Always use the **hazard coding** (GHS classification).
21. Enter the appropriate **ingredient proportion %**, e.g., 40%.

NEW **IMPORT**

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTERI

NAME/CAS NO. PROPORTION %

1 acetone 60

2 benzene 0

3

NAME CAS HAZARD CODES

benzene 71-43-2 H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)

benzene-D1 1120-89-4 H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1)

benzene-D6 1076-43-3 H225 (Cat 2), H302 (Cat 4), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H372 (Cat 1)

benzene-U-14C 27271-55-2 H225 (Cat 2), H304 (Cat 1), H336 (Cat 3), H340 (Cat 1B), H351 (Cat 2), H372 (Cat 1)

benzeneselenol 645-96-5 H227 (Cat 4), H301 (Cat 3), H330 (Cat 2), H373 (Cat 2), H400 (Cat 1), H410 (Cat 1)

benzene-1,3,5-D3 1684-47-5 H225 (Cat 2), H303 (Cat 5), H304 (Cat 1), H313 (Cat 5), H315 (Cat 2), H319 (Cat 2A), H333 (Cat 5), H336 (Cat 3), H340 (Cat 1), H350 (Cat 1A), H372 (Cat 1)

benzenesulfinic acid 618-41-7 H290 (Cat 1), H314 (Cat 1A), H318 (Cat 1)

benzenesulfonic acid 98-11-3 H290 (Cat 1), H302 (Cat 4), H314 (Cat 1B), H318 (Cat 1), H332 (Cat 4), H350 (Cat 1A)

Appearance: Clear, colourless, highly volatile, highly flammable

MORE

i If the primary physical properties are the same, proceed to review ingredients tab. Otherwise, enter new applicable physical properties under Credite Poster tab. Use question mark **?** icon to choose appropriate option to assign the “specific physical property values”. Go to **MORE** button to enter additional physical properties and press the submit button from the pop-up window to save your data input.

Additional Physical Properties

Odour **Select Some Options**

Odour Threshold

Taste

Partition Coefficient n-octanol/water

Explosive Properties

Oxidising Properties

Surface Tension

Gas Group

SUBMIT **CANCEL**

State	Liquid	
Water Solubility	Miscible	
pH	Not Applica...	pH as a solution Not Applica...
	at	%
Flash Point (C)	-17	SG/Density (g/cm3) 0.79 @ 20 C
Lower Explosive Limit (%)	2.6	Upper Explosive Limit (%) 12.8
Boiling point/Range (C)	56	Melting point/Range (C) -95.4
Autoignition Temperature (C)	465	Decomposition Temperature (C) Not Available
Volatiles (%vol)	100	Molecular Weight 58.08
Relative Vapour Density	2.0	Vapour Pressure (kPa) 24 @ 20 C
Viscosity (cSt)	Not Available	Total VOC g/l Not Available
Evaporation Rate	11 BuAc=1 VFast	Not Available
Appearance	Clear, colourless, highly volatile, highly ? MORE	

22. Select the **Review Ingredients** tab to review your ingredients and their proportion values. This tab shows you the classification of the individual ingredients at 100% which are based on the selected country jurisdiction settings that had been set via the SDS Settings. In this tab, users can also edit the ingredient name and proportion should you wish not to disclose the ingredients on the SDS.

REVIEW INGREDIENTS



ON GHG(CLP)



OFF C&L

OFF HAZARD PLUS

OFF SANITISED VIEW

NAME/CAS NO.	PROPORTION %	
acetone	60	+ ✎
AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)		
benzene	40	+ ✎
H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)		
		+ ✎

 By merely looking at the second ingredient, benzene's GHS hazard classification contains more hazardous serious hazard codes compared to the first ingredient, which means that this product may be more hazardous . In this worked example, we will keep things simple by not changing anything to automatically go to the next section of the form. Another worked example for adding another ingredient or sanitizing ingredient will be provided in next topics.

23. Select the **Review Ingredients** form tab, click the "Edit"  icon alongside an ingredient to view details and edit any specific ingredient data. You any also use the **Add**  icon to add new ingredient details as part of the review.

Review Ingredient

Ingredient Name: acetone

Catalogue Number:

Cas No: 67-64-1*

Hazard Codes: H225 (Cat 2), H319 (Cat 2A), H336 (Ca

GHS(CLP): ON

- ☐ H340 Germ cell mutagenicity Category 1B
- ☐ H341 Germ cell mutagenicity Category 2
- ☐ H350 Carcinogenicity Category 1A
- ☐ H350 Carcinogenicity Category 1B
- ☐ H351 Carcinogenicity Category 2
- ☐ H360 Reproductive Toxicity Category 1A
- ☐ H360 Reproductive Toxicity Category 1B
- ☐ H360D Reproductive Toxicity Category 1A
- ☐ H360D Reproductive Toxicity Category 1B

SUBMIT CANCEL

Figure: Edit Ingredient window

Review Ingredient

Ingredient Name:

Catalogue Number:

Cas No: ?

Hazard Codes:

GHS(CLP): ON

- ☐ AUH001
- ☐ AUH006
- ☐ AUH014
- ☐ AUH018
- ☐ AUH019
- ☐ AUH029
- ☐ AUH031
- ☐ AUH032
- ☐ AUH044

SUBMIT CANCEL

Figure: Add Ingredient as part of the Review

i Note that this example is for display purposes only to simply demonstrate how the various pieces of data gets populated into the form. Go to the following topics on “how to edit ingredient(s)”.

24. Select the **Toxicity/Irritation** tab to add (if applicable) any available toxicity/irritation and/or environmental toxicity data.

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY/IRRITATION

Toxicity Environment

ADD NEW

ROUTE	SPECIES	EXPOSURE TYPE	VALUE	UN
Oral	Human	LD50		mg

Oral No Classification
 Dermal No Classification
 Inhalation No Classification

REVIEW CLASSIFICATION

DA

Figure: Toxicity Data if available

TOXICITY/IRRITATION

Toxicity Environment

Ecotoxicity Environ.Fate

ADD NEW

DURATION	SPECIES	EXPOSURE T...	VAL
-	Fish Danio rerio(Zebra Fish)	EC50	

M Factor: 0 H Codes:

Figure: Ecotoxicity data if available

TOXICITY/IRRITATION

Toxicity Environment

Ecotoxicity Environ.Fate

☐ Dissolved Organic Carbon ≥ 70% removed(28 day study)
☐ Oxygen Depletion ≥ 60% of the theoretical maximum(28 day study)
☐ CO2 Generation ≥ 60% of the theoretical maximum(28 day study)
 OR ☐ BOD5/COD ≥ 0.5
 OR ☐ Biotic or Abiotic in aquatic environment ≥ 70% (28 day study)

OTHER

ADD NEW

TEST	VALUE	UNIT
<input type="checkbox"/> Inorganic metals <input type="checkbox"/> Inorganic compounds		

PBT CRITERIA

☐ P ☐ B ☐ T
☐ vP ☐ vB

PBT Not Classified
 vBvP Not Classified

Figure: Environ.Fate criteria to apply

25. Select the **Review Classification** tab to view the calculated classification of your material. Calculated classification will be based on the proportion value entered under the Credite Poster. Note that the sanitised proportions will not be part of the system generated calculation. In this example, we will keep the calculation as is and go to the next form tab.

REVIEW CLASSIFICATION

ON GHS(CLP) **OFF** HAZARD PLUS

Generated Deleted UserDefined

H304 (Cat 1) H315 (Cat 2)
H319 (Cat 2A) H336 (Cat 3)
H340 (Cat 1B) H350 (Cat 1A)
H360Fd (Cat 1B) H372 (Cat 1)
H401 (Cat 2) H225 (Cat 2)

☐ H220 Flammable Gas Category 1

☐ H222 Flammable Aerosols Category 1

☐ H223 Aerosols Category 2

☐ H224 Flammable Liquid Category 1

☒ **H225** Flammable Liquid Category 2

☐ H226 Flammable Liquid Category 3

☐ H227 Flammable Liquid Category 4

☐ H228 Flammable Solid Category 1

☐ H228 Flammable Solid Category 2

☐ H240 Organic Peroxide Type A

☐ H240 Self Reactive Type A

26. Select the **Dangerous Good** tab to view the transport classification information. If the material is classified as a dangerous good by default, the applicable classification information will be shown in the respective fields drawn from the full Chemwatch database based on the initial ingredient, e.g., acetone. In this worked example, we will keep the DG Classification data as it is to generate the draft SDS.

NEW **IMPORT**

SEARCH

PRODUCT IDENTIFICATION

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY/IRRITATION

REVIEW CLASSIFICATION

DANGEROUS GOODS

UN/ID Number 1090 DG Class 3

Sub Risk 1 None Sub Risk 2 None

Packing Group II Poisons Schedule S5

Shipping Name ACETONE

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

OFF SUGGEST **SUBMIT**

27. Select the **Submit** button **SUBMIT** to render a draft SDS.

DANGEROUS GOODS

UN/ID Number: 1090 DG Class: 3

Sub Risk 1: None Sub Risk 2: None

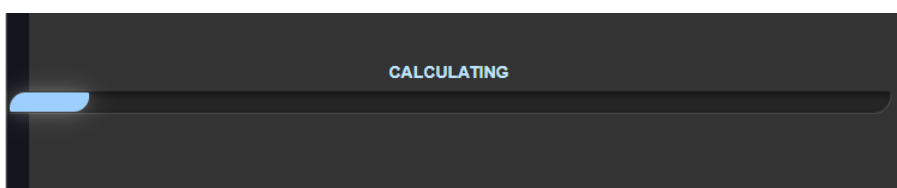
Packing Group: II Poisons Schedule: S5

Shipping Name: ACETONE

N.O.S. Ing lookup:

SUGGEST

28. The system will automatically calculate and render the draft SDS. the draft SDS is displayed in a few moments.



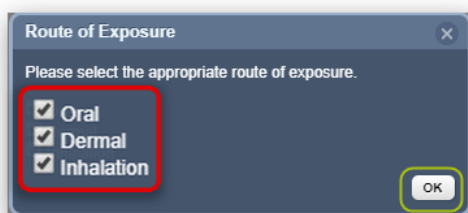
29. An **STOT Selection** pop-up window will provide a selection of target organs or biological system(s) that could be affected by the relevant hazard code. Select the appropriate target organ(s) checkbox(es) ☐ where applicable and click the OK button. If no target organ is provided, simply continue the process by clicking the OK button. For this worked example, target organs skin, kidney, respiratory system has been selected due to the hazard codes H372 (Cat 1) - Cause damage to organs through prolonged or repeated exposure.

STOT Selection

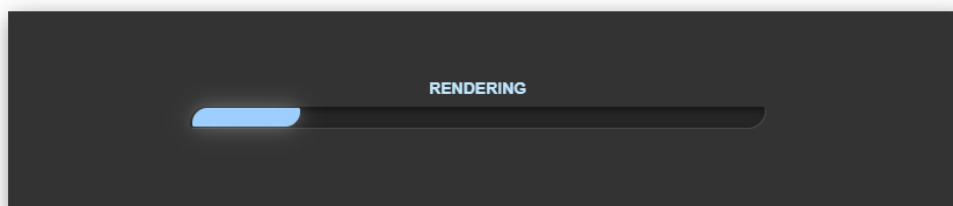
Please select the relevant target organ(s) or biological system(s) affected by this toxicity for H372 (Cat 1)

- ☐ Biochemical
- ☐ Blood
- ☐ Bone
- ☐ CardiovascularSystem
- ☐ EndocrineSystem
- ☐ GastrointestinalSystem
- ☒ Kidneys
- ☐ Liver
- ☐ LymphaticSystem
- ☐ NervousSystem
- ☐ NotSpecified
- ☒ RespiratorySystem
- ☒ Skin
- ☐ Teeth
- ☐ VascularSystem

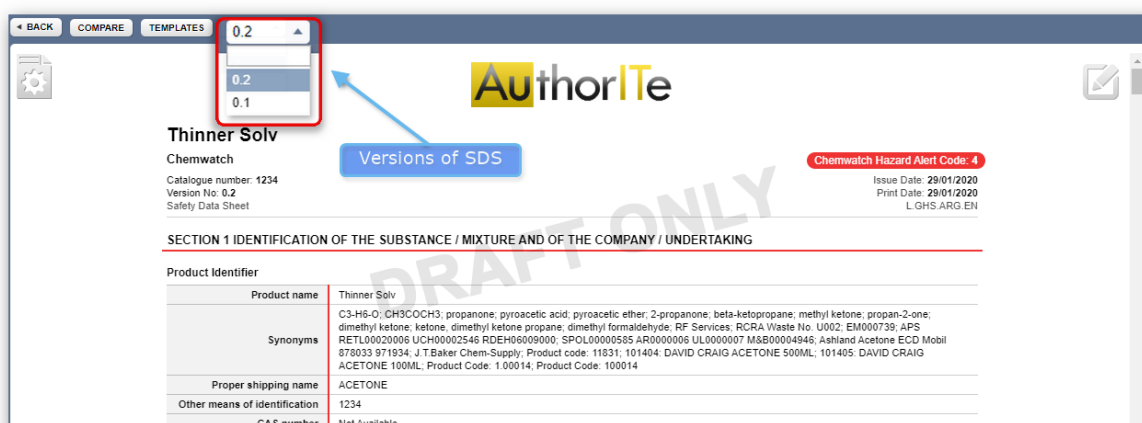
30. A **Route of Exposure** pop-up window will provide appropriate route(s) of exposure options. Select the applicable option; Oral, dermal and/or inhalation.
31. Click the **OK** button to save a record entry.



32. The system will automatically render the SDS. Let the system finish the action in a few moments.



33. The SDS will be rendered as a first draft and assigned a version number as 0.1, 0.2, ...etc. upon subsequent update(s).



34. Check the following parameters from the system's SDS toolbar to ensure that your draft SDS is assigned to the correct country (jurisdictional operation), language and regulatory classification.

Australia English GHS Publish Print Share Download

BACK COMPARE TEMPLATES 0.2

AuthorITe

Thinner Solv

Chemwatch
 Catalogue number: 1234
 Version No: 0.2
 Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
 Issue Date: 29/01/2020
 Print Date: 30/01/2020
 L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, mesityl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
--------------------------	--

Details of the supplier of the safety data sheet

Registered company name	Chemwatch
Address	1227 Glen Huntly Rd Glen Huntly VIC Australia
Telephone	+61 3 9573 3100
Fax	Not Available
Website	www.chemwatch.net
Email	info@chemwatch.net

Emergency telephone number

Association / Organisation	Chemwatch
Emergency telephone numbers	+61 3 9573 3100
Other emergency telephone numbers	Not Available

CHEMWATCH TEAM Live Help Chat

35. Select the Publish button from the SDS toolbar.

Australia English GHS **Publish** Print Share

BACK COMPARE TEMPLATES 0.2

AuthorITe

Thinner Solv

Chemwatch
 Catalogue number: 1234
 Version No: 0.2
 Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
 Issue Date: 29/01/2020
 Print Date: 30/01/2020
 L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

36. Choose to publish your SDS for external or internal use. In this example, internal has been selected as the appropriate option.

Thinner Solv
Chemwatch
Catalogue number: 1234
Version No: 0.2
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 30/01/2020
L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

37. The **internal SDS** will be versioned as the first **published version**, e.g., 1.2i; where the “i” denotes internal use. Notice the draft watermark will be changed to internal as depicted below.

Thinner Solv
Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 30/01/2020
L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
--------------------------	---

Details of the supplier of the safety data sheet


Registered company name	Chemwatch
Address	1227 Glen Huntly Rd Glen Huntly VIC Australia
Telephone	+61 3 9573 3100
Fax	Not Available
Website	www.chemwatch.net
Email	info@chemwatch.net

Emergency telephone number

Association / Organisation	Chemwatch
Emergency telephone numbers	+61 3 9573 3100
Other emergency telephone numbers	Not Available

Watermark denotes the type of published SDS

i Note that only the **externally published materials** are automatically added to your inventory. In the **UNFILED folder** within the home module, this enables users and authors to easily retrieve records and/or perform own searches for externally published materials.

38. Use the **Settings Menu** icon  on the top left corner of the displayed SDS document to open the list of SDS sections to and to load a particular section of interest.

Search panel

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name: Thinner Solv

Catalogue Number: 1234

REACH Reg. No.

Issue Date: 30/01/2020

CAS No.: Not Avail*

EC No.: 206-662-2

UFI Numbers

Uses: Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, ketopropane methyl ketone, propen-2-one dimethyl ketone.

REACH Uses

Synonyms: C3-H8-O-CH3COCH3 propanone pyroacetic acid pyroacetic ether 2-propanone beta-ketopropane methyl ketone propen-2-one dimethyl ketone

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY IRRITATION

REVIEW CLASSIFICATION

DANGEROUS GOODS

CTF SUGGEST

UPDATE

TEMPLATE

SECTION

1 Identification

2 Hazard Identification

3 Ingredients

4 First Aid

5 Fire Fighting

6 Spills

7 Handling and Storage

8 Exposure

9 Physical Properties

10 Reactivity

11 Toxicology

12 Ecotoxicology

13 Disposal

14 Transport

15 Regulatory

16 Other

FONT SIZE

Small

Normal

Large

VISUAL APPEARANCE

Base

Vanilla

AuthorITe

Thinner Solv

Chemwatch

Catalogue number: 1234

Version No: 1.2

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4

Issue Date: 29/01/2020

Print Date: 30/01/2020

L.GHS AUS EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.

Details of the supplier of the safety data sheet

Registered company name	Chemwatch
Address	1227 Glen Huntly Rd Glen Huntly VIC Australia
Telephone	+61 3 9573 3100
Fax	Not Available
Website	www.chemwatch.net
Email	info@chemwatch.net

Emergency telephone number

Association / Organisation	Chemwatch
----------------------------	-----------

For example, Section 2 of the SDS has been selected to load the Hazards Identification section information as shown below.

Search panel

NEW IMPORT

SEARCH

PRODUCT IDENTIFICATION

Material Name: Thinner Solv

Catalogue Number: 1234

REACH Reg. No.

Issue Date: 30/01/2020

CAS No.: Not Avail*

EC No.: 206-662-2

UFI Numbers

Uses: Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, methyl oxide, acetic acid, diacetone alcohol, ketopropane methyl ketone, propen-2-one dimethyl ketone.

REACH Uses

Synonyms: C3-H8-O-CH3COCH3 propanone pyroacetic acid pyroacetic ether 2-propanone beta-ketopropane methyl ketone propen-2-one dimethyl ketone

MANUFACTURERS DETAILS

CREDITE POSTER

REVIEW INGREDIENTS

TOXICITY IRRITATION

REVIEW CLASSIFICATION

DANGEROUS GOODS

CTF SUGGEST

UPDATE

TEMPLATE

SECTION

1 Identification

2 Hazard Identification

3 Ingredients

4 First Aid

5 Fire Fighting

6 Spills

7 Handling and Storage

8 Exposure

9 Physical Properties

10 Reactivity

11 Toxicology

12 Ecotoxicology

13 Disposal

14 Transport

15 Regulatory

16 Other

FONT SIZE

Small

Normal

Large

VISUAL APPEARANCE

Base

Vanilla

AuthorITe

Thinner Solv

Chemwatch

Catalogue number: 1234

Version No: 1.2

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4

Issue Date: 29/01/2020

Print Date: 30/01/2020

L.GHS AUS EN

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL, DANGEROUS GOODS, According to the WHS Regulations and the ADG Code.

CHEMWATCH HAZARD RATINGS

Flammability	3	Low	0 = Minimum
Toxicity	4	Low	1 = Low
Body Contact	4	Moderate	2 = Moderate
Reactivity	0	High	3 = High
Chronic	0	Extreme	4 = Extreme

Poisons Schedule: S5

Classification [1]

Eye Irritation Category 2A, Specific target organ toxicity - single exposure Category 3 (nausea effects), Flammable Liquid Category 2, Gem set multiplicity Category 1B, Skin Classification Irritation Category 2, Carcinogenicity Category 1A, Specific target organ toxicity - repeated exposure Category 1, Reproductive Toxicity Category 1B, Aspiration Hazard Category 1, Acute Aquatic Hazard Category 2

Legend: 1. Classified by Chemwatch, 2. Classification drawn from PICIS, 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

Hazard pictogram(s)

SIGNAL WORD: DANGER

Hazard statement(s)

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.
H340	May cause genetic defects.
H315	Causes skin irritation.
H350	May cause cancer.
H372	Causes damage to or impairment of or reduced function of (Kidneys, Respiratory system, Skin) (Oral, Dermal, Inhalation).

39. Click the **Back** button to view the materials table. The next topic provides information about interpreting the grid elements based on your created and published materials.

BACK COMPARE TEMPLATES 1.2

AuthorITe

Thinner Solv

Chemwatch

Catalogue number: 1234

Version No: 1.2

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4

Issue Date: 29/01/2020

Print Date: 30/01/2020

L.GHS AUS EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

40. The materials table will display the grid with your list of created materials/products and contains various elements, features and the ability to generate specific reports.



	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGG	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II		
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
<input type="checkbox"/>			sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		
<input type="checkbox"/>			my acetone1 R11 R36 R66 R67	3.4	03/04/2018	4789999	3	None	None	II		
<input type="checkbox"/>			my mixture with pure acetone R23/24/25 R34 R41 R67	0.1	12/10/2017	68547	None	None	None	None		
<input type="checkbox"/>			acetone R22 R36/37/38 R66 R67	2.9	12/10/2017	123343	None	None	None	None		
<input type="checkbox"/>			ethanol 70 perc and water	0.1	01/03/2017	5454	None	None	None	None		
<input type="checkbox"/>			aluminium magnesium alloy mixture- alte R10	0.1	05/04/2016	125	4.1	None	None	III		
<input type="checkbox"/>			cedric sds for angela issue R20/22 R36/38 R51/53 R63(3) R65 R66 R67	2.1e	12/11/2015	1445	None	None	None	None		

1 2 10 items per page 1 - 10 of 18 items

The next topic summarizes the materials table on how to interpret the various components.





















2.1.3 Interpreting the Materials Table

The materials grid columns components, sorting and filters are described below:



	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGG	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II		
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
<input type="checkbox"/>			sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		
<input type="checkbox"/>			my acetone1 R11 R36 R66 R67	3.4	03/04/2018	4789999	3	None	None	II		
<input type="checkbox"/>			my mixture with pure acetone R23/24/25 R34 R41 R67	0.1	12/10/2017	68547	None	None	None	None		
<input type="checkbox"/>			acetone R22 R36/37/38 R66 R67	2.9	12/10/2017	123343	None	None	None	None		
<input type="checkbox"/>			ethanol 70 perc and water	0.1	01/03/2017	5454	None	None	None	None		
<input type="checkbox"/>			aluminium magnesium alloy mixture- alte R10	0.1	05/04/2016	125	4.1	None	None	III		
<input type="checkbox"/>			cedric sds for angela issue R20/22 R36/38 R51/53 R63(3) R65 R66 R67	2.1e	12/11/2015	1445	None	None	None	None		

1 2 10 items per page 1 - 10 of 18 items

Component	Description	Information in SDS																								
<div>1</div> <div>Checkbox</div> <div></div>	The checkbox  is to be used for selecting a single record, multiple or all materials for a particular action such as printing, sharing (email ) or downloaded (save to) a list for selected materials or all or specific type of SDS/labels. It may also be used to delete records by using the mouse right click function (Remove).	No content is generated in SDS, hence not applicable.																								
<div>2</div> <div>Hazard</div> <div></div>	<div>Chemwatch hazard icons are displayed to provide the overall hazard for the generated material. The Chemwatch Hazard Rating icons are categorised into the following levels:</div> <table><thead><tr><th>Hazard Code</th><th>Hazard Icon</th><th>Colour Code</th><th>Filter Column by the Nature of Hazard</th></tr></thead><tbody><tr><td>0</td><td></td><td>Grey</td><td>Non Hazardous Chemical</td></tr><tr><td>1</td><td></td><td>Blue</td><td>Low Hazardous Chemical</td></tr><tr><td>2</td><td></td><td>Yellow</td><td>Moderate Hazardous Chemical</td></tr><tr><td>3</td><td></td><td>Orange</td><td>Highly Hazardous Chemical</td></tr><tr><td>4</td><td></td><td>Red</td><td>Extremely Hazardous Chemical</td></tr></tbody></table>	Hazard Code	Hazard Icon	Colour Code	Filter Column by the Nature of Hazard	0		Grey	Non Hazardous Chemical	1		Blue	Low Hazardous Chemical	2		Yellow	Moderate Hazardous Chemical	3		Orange	Highly Hazardous Chemical	4		Red	Extremely Hazardous Chemical	Overall hazard rating code is displayed in the top right corner of the SDS with corresponding colour coding.
Hazard Code	Hazard Icon	Colour Code	Filter Column by the Nature of Hazard																							
0		Grey	Non Hazardous Chemical																							
1		Blue	Low Hazardous Chemical																							
2		Yellow	Moderate Hazardous Chemical																							
3		Orange	Highly Hazardous Chemical																							
4		Red	Extremely Hazardous Chemical																							
<div>3</div> <div>Review</div>	This column displays the exclamation icon  for all pure chemical ingredients that have been flagged out as per any updated ingredient within the material in the grid. It is recommended to review the SDS at this stage and publish the SDS.	Not relevantly shown in SDS section specifically, however any updated ingredient data will be generated in specific SDS section.																								
<div>4</div> <div>Material Name</div>	This column lists the names of the materials generated when creating the SDS within your domain.	Material name is generated in the SDS Title.																								
<div>5</div> <div>Version</div>	<div>Versioning of SDS is first generated when the very first draft has been created.</div> <div>The GOLD SDS version format</div> <div>The version number format; [X.Y.A.B] is used for GOLD SDS as a four-digit format (starting number =1) and only the first number changes whenever chemists update the SDS.</div> <div>Silver SDS version format</div> <div>The version number format [X.Y] is used for Silver SDS as a two-digit format (starting number =0).</div>	Data is generated in Header information area of the SDS and available from the user interface drop-down listing when displaying the SDS content.																								

Thinner Solv
Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 30/01/2020
L.GHS.AUS.EN

6
Issue Date

This column shows the issue date of the SDS when it was created and/or published.

Data is generated in the top right corner of the SDS

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER
<input type="checkbox"/>	<input type="checkbox"/>	Thinner Solv R11 R36/38 R45(1) R48(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234
<input type="checkbox"/>	<input type="checkbox"/>	Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378
<input type="checkbox"/>	<input type="checkbox"/>	test mixture R11 R36 R45(1) R48(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture

Any subsequent update(s) will be reflected as changed dates.

i Note that any SDS that has surpassed review date >5 years, will automatically display a message in order to update the SDS to reflect current and correct information.

Thinner Solv
Chemwatch
Catalogue number: 1234
Version No: 0.2
Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 30/01/2020
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7
Catalogue Number

This column will reflect the assigned catalogue number of the material. Remember that the catalogue number field is a free text field that enables authored to assign a value or number or combination of both. This number will be used as part of the identification criteria for your material.

Data is generated in the top left corner of the SDS just under the title of the SDS.

Thinner Solv
Chemwatch
 Catalogue number: 1234
 Version No: 1.2
 Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
 Issue Date: 29/01/2020
 Print Date: 30/01/2020
 LGHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier	
Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

8
DGC

The Dangerous Goods classification information is presented in this column as the primary class of the article/material.

If data is available for the transport classification, this information is shown in Section 14 of the SDS.

MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC
Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3
Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3

Note that there are 9 classes of dangerous goods as per the UNDG coding system for the transportation of dangerous goods.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant: NO
 HAZCHEM: *2YE

Land transport (ADG)

UN number	1090
UN proper shipping name	ACETONE
Transport hazard class(es)	Class 3 Subrisk Not Applicable
Packing group	II
Environmental hazard	Not Applicable

9
DGCS1

This column will present the dangerous good subsidiary risk 1 where applicable.

This information will be shown in Section 14 of the SDS.


DGCS2

This column will present the dangerous good subsidiary risk 2 where applicable.

This information will be shown in Section 14 of the SDS.






Component	Description	Information in SDS								
PKG	<p>This column will present the dangerous good packing group where applicable.</p> <p>Packing Group is the grading of danger for materials classed as dangerous goods.</p> <table><tr><th>PG</th><th>Level of Danger</th></tr><tr><td>I</td><td>Greater danger</td></tr><tr><td>II</td><td>Medium danger</td></tr><tr><td>III</td><td>Minor danger</td></tr></table>	PG	Level of Danger	I	Greater danger	II	Medium danger	III	Minor danger	<p>This information will be shown in Section 14 of the SDS.</p>
PG	Level of Danger									
I	Greater danger									
II	Medium danger									
III	Minor danger									











SDS ETC































This column is embedded with the SDS icon which provides authors with the option to generate reports/documents or audit SDS for a specific record from the list of materials as shown below.




Select the applicable icon to render a report/audit SDS.




















 LOC	 GOLD	 AUDIT	 LABEL	 MINI
Displays the List of Concern ingredient found	Displays the respective Gold SDS	Displays the respective SDS to Edit	Provides the option to choose a label	Displays the Mini SDS


MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II		
Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378						
test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		




















Regulatory Burden	This column will highlight the regulatory burden of the material selected using colour coded icons. Materials that do not have any regulatory will have an empty cell.			For information only on screen.
				
	Red	Orange	Yellow	Green
	Extremely Regulated	Highly Regulated	Moderately Regulated	Lightly Regulated

HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
		Valpar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III		
		Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II		
		Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
		test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
		sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		
		my acetone1 R11 R36 R66 R67	3.4	03/04/2018	4789999	3	None	None	II		

Component	Description	Information in SDS
Columnar Sorting	Use the sorting  icons to sort the list up  or down  by Hazard (rating code), Material Name, Version, Issue Date, Catalogue Number, DGC, PKG and Regulatory Burden.	For screen display of sorted list.

HAZARD 	REVIEW 	MATERIAL NAME 	VERSION 	ISSUE DATE 	CATALOGUE NUMBER 	DGC 	DGS1	DGS2	PKG 	SDS ETC 	REGULATORY BURDEN 
		Valspar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III		
		Thinner Solv R11 R38/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II		
		Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		

Columnar Filters	Use the filter  icons to filter out list by Hazard (rating code), Material Name, Version, Issue Date, Catalogue Number, DGC, PKG and Regulatory Burden.
------------------	--

<input type="checkbox"/>	HAZARD 	REVIEW 	MATERIAL NAME 	VERSION 	ISSUE DATE 	CATALOGUE NUMBER 	DGC 	DGS1	DGS2	PKG 	SDS ETC 	REGULATORY BURDEN 
<input type="checkbox"/>			acetone with water AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)		31/01/2020	4567	3	None	None	II		
<input type="checkbox"/>			Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)		30/01/2020	XY-2555	3	None	None	III		
<input type="checkbox"/>			Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234	3	None	None	II		

2.1.4 Print, Save or Email Materials List

This sub-topic will cover the following activities:

- Search for material in full collection
- Search by CAS number
- Interpreting the materials table
- Print materials list, share (email) and download (save)
- Prepopulate the form with data
- Submit data to create SDS
- Publishing SDS
- User defined Phrases (Phase Library)
- Compare SDS



The following steps illustrate the steps with screen capture on how to print, save or email materials list from the grid by using Print, Share and Download toolbar icons.

 Note that the materials list is generated in acrobat's pdf format  first prior to printing.
PDS = Print, Share, Download.

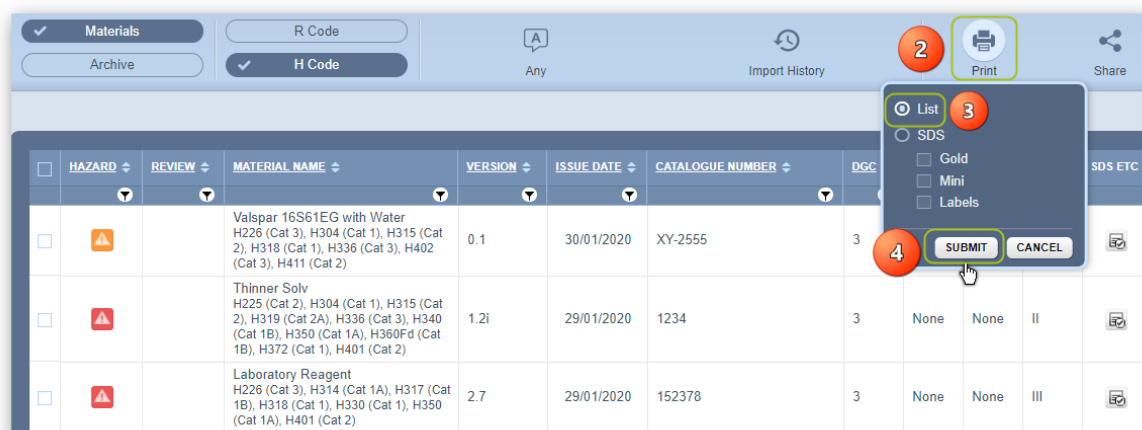
Materials		R Code		Any		Import History		Print		Share		Download	
Archive		H Code											
<input type="checkbox"/>	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN	
<input type="checkbox"/>			Valspar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III			
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234	3	None	None	II			
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III			

2.1.4.1 Print Materials List

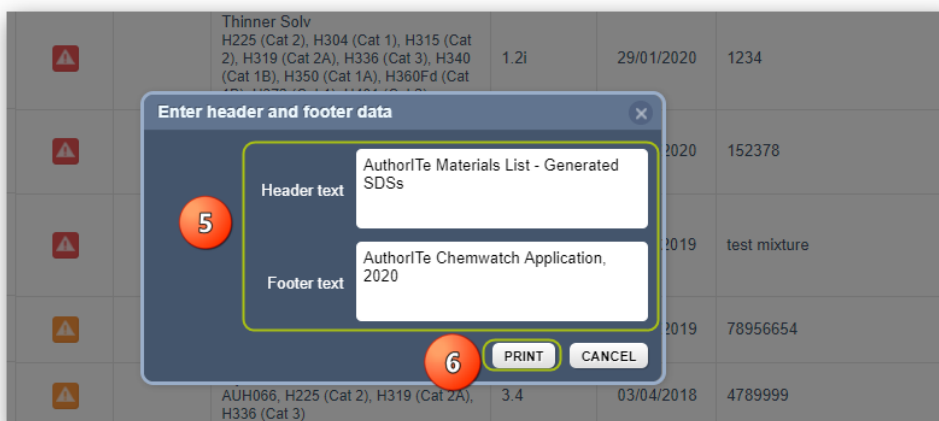
The following steps illustrate the steps with screen capture on ‘how to print’ materials list from the grid by using Print toolbar button.


Steps: Printing Materials List

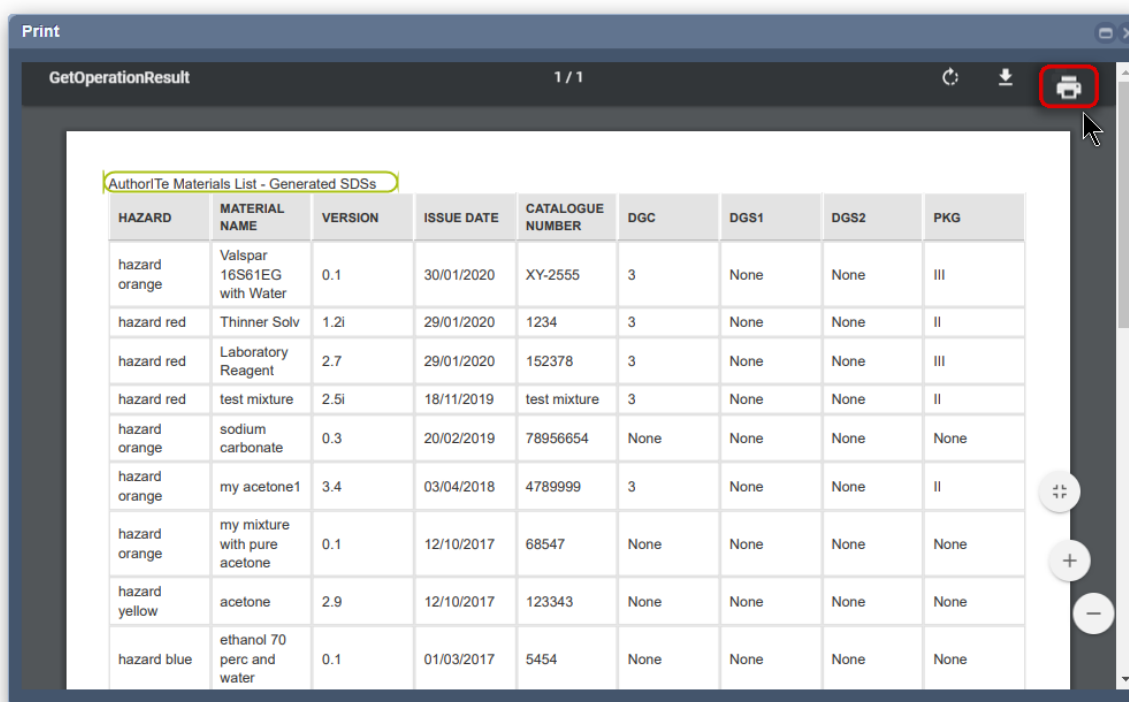
1. Open AuthorITe mode.
2. Click the **Print** button option from the PSD toolbar on the top right layer of the user interface.
3. Select the **List** radio button from the print menu.
4. Press the **SUBMIT** button from the Print window.



5. A Header and Footer data pop-up window will display to enter the **header text** and **footer text**. Note that this information will be rendered in the final header and footer of the print report document respectively.





6. Press the **PRINT** button to generate the list report.
7. Use the **Print**  icon from the acrobat generated document on the top right corner within the Print window.



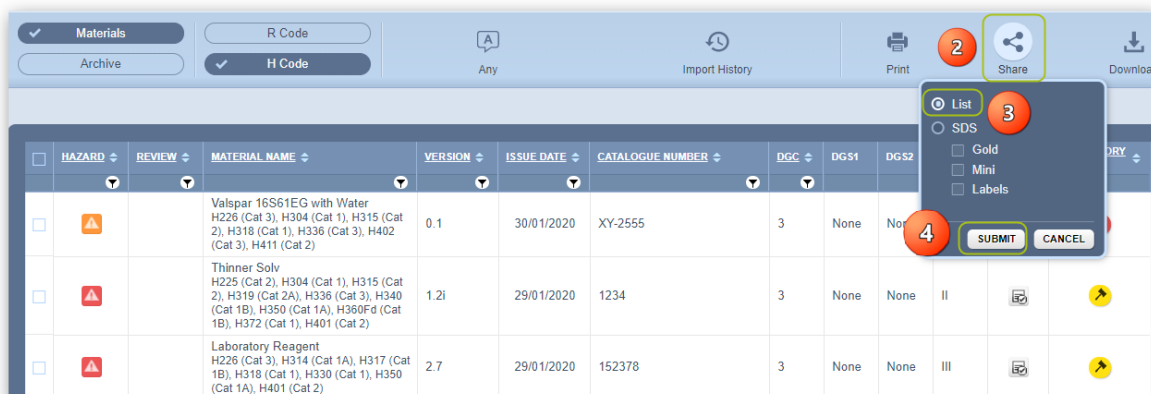
8. **Close** the window once finished.

2.1.4.2 Email (Share) Materials List

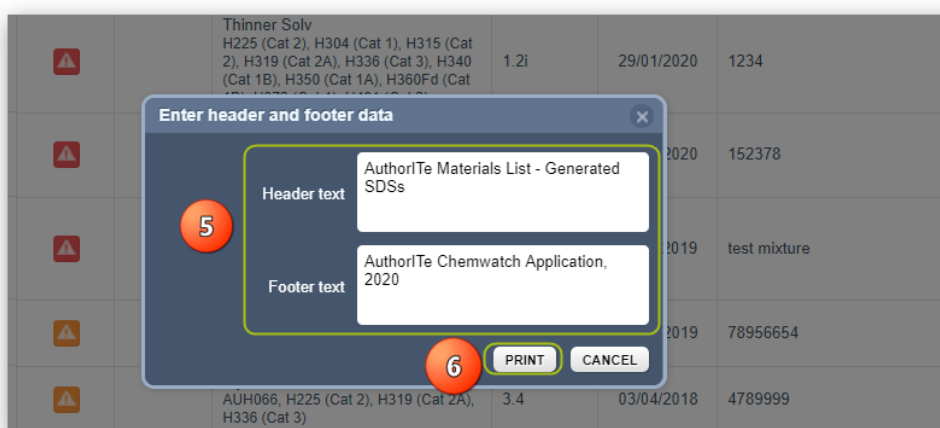
The following steps illustrate the steps with screen capture on how to email  (Share) materials list from the grid by using the Share  toolbar button.

Steps: Emailing a Materials List

1. Open AuthorITe mode.
2. Click the Share button option from the PSD toolbar on the top right layer of the user interface.
3. Select the List radio button from the share menu.
4. Press the **SUBMIT** button from the Print window.



5. A Header and Footer data pop-up window will display to enter the **header text** and **footer text**. Note that this information will be rendered in the final header and footer of the print report document respectively.



6. Press the **PRINT** button to generate the list report.
7. Enter the recipient's email address into the "To" field.
8. Type the **subject** of the email.
9. Enter any **comments**.
10. Enter the "Reply to" email address, recommended.
11. Press the **Send** button.

Please separate multiple recipients email ids with comma(s)

To 7

From donotreply@chemwatch.net

NOTE: If you change From address your message may not be accepted by spam-filters implementing strict security settings.

Subject 8

Comments 9

Reply to 10


Please use this field to provide us your e-mail for a quicker response from Chemwatch support team.

11 Send




CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG			
XY-2555	3	None	None	III			
1234	3	None	None	II			
152378	3	None	None	III			
test mixture	3	None	None	II			
78956654	None	None	None	None			
4789999	3	None	None	II			
68547	None	None	None	None			
123343	None	None	None	None			
5454	None	None	None	None			
aluminium magnesium alloy mixture-	0.1	05/04/2016	125	4.1	None	None	III

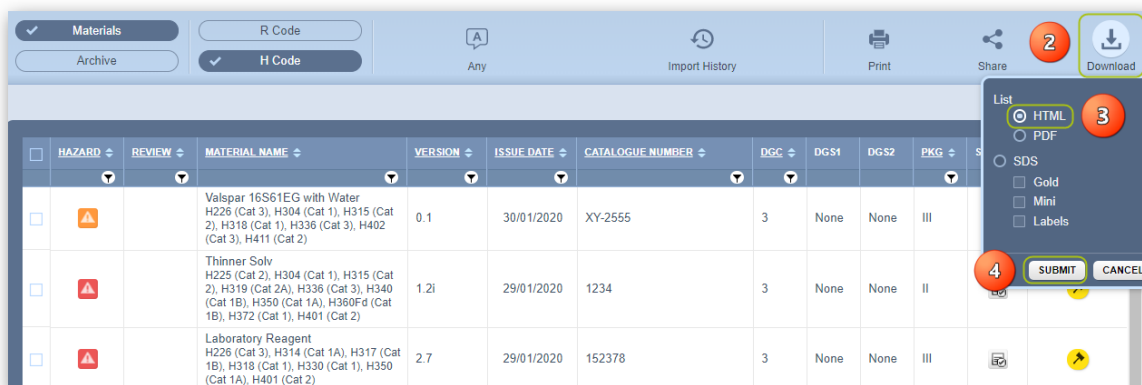
12. Mail sent confirmation message displays. The Material List will be sent to the recipient as an attachment.

2.1.4.3 Download (Save) Materials List.

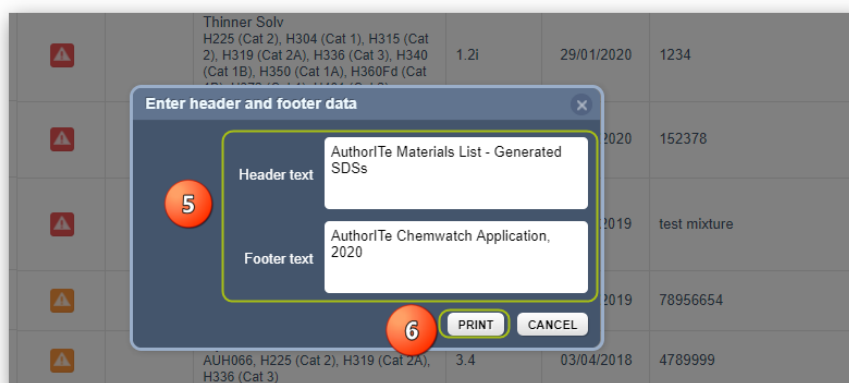
The following steps illustrate the steps with screen capture on how to download (Save) materials list from the grid by using the Download  toolbar button.

Steps: Downloading/Saving a Materials List

1. Open AuthorITe  mode.
2. Click the **Download**  button option from the PSD toolbar on the top right layer of the user interface.
3. Select the **List HTML** or PDF radio button  from the download menu.
4. Press the **SUBMIT** button from the Print window.



5. A Header and Footer data pop-up window will display to enter the **header text** and **footer text**. Note that this information will be rendered in the final header and footer of the print report document respectively.



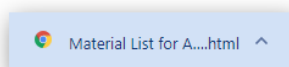
6. Press the **PRINT** button to generate the list report.
7. The **HTML report** is rendered in html format within the application download window.

Save

AuthoriTe Materials List - Generated SDSs

HAZARD	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG
hazard orange	Valspar 16S61EG with Water	0.1	30/01/2020	XY-2555	3	None	None	III
hazard red	Thinner Solv	1.2i	29/01/2020	1234	3	None	None	II
hazard red	Laboratory Reagent	2.7	29/01/2020	152378	3	None	None	III
hazard red	test mixture	2.5i	18/11/2019	test mixture	3	None	None	II
hazard orange	sodium carbonate	0.3	20/02/2019	78956654	None	None	None	None
hazard orange	my acetone1	3.4	03/04/2018	4789999	3	None	None	II
hazard orange	my mixture with pure acetone	0.1	12/10/2017	68547	None	None	None	None
hazard yellow	acetone	2.9	12/10/2017	123343	None	None	None	None
hazard blue	ethanol 70 perc and water	0.1	01/03/2017	5454	None	None	None	None
hazard yellow	aluminium magnesium alloy mixture-alte	0.1	05/04/2016	125	4.1	None	None	III
hazard yellow	cedric sds for angela issue	2.1e	12/11/2015	1445	None	None	None	None

- A desktop save as window will also automatically open to select the destination folder and click the **Save** button to complete the process or choose an external drive.
- Open downloaded document** from the desktop's download bar.



- The **HTML Material List report** will contain the respective header/footer text and the date/time stamp.

AuthorITe Materials List - Generated SDSs								
HAZARD	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DG1	DG2	PKG
hazard orange	Valipar 18561EG with Water	0.1	30/01/2020	XY-2555	3	None	None	III
hazard red	Thinner Solv	1.2i	29/01/2020	1234	3	None	None	II
hazard red	Laboratory Reagent	2.7	29/01/2020	152378	3	None	None	III
hazard red	test mixture	2.5i	18/11/2019	test mixture	3	None	None	II
hazard orange	sodium carbonate	0.3	20/02/2019	78956654	None	None	None	None
hazard orange	my acetone1	3.4	03/04/2018	4789999	3	None	None	II
hazard orange	my mixture with pure acetone	0.1	12/10/2017	88847	None	None	None	None
hazard yellow	acetone	2.9	12/10/2017	12345	None	None	None	None
hazard blue	ethanol 70 per cent and water	0.1	01/03/2017	5454	None	None	None	None
hazard yellow	aluminum magnesium alloy mixture- ate	0.1	05/04/2016	125	4.1	None	None	III
hazard yellow	cedric sds for angela issue	2.1e	12/11/2015	1445	None	None	None	None
hazard orange	neef example	0.3	05/08/2015	0009	3	None	None	II
hazard gray	SODIUM SULFATE 1M SOLUTION Test	1.1e	16/07/2015	444	None	None	None	None
hazard orange	Lydia's Test Material AAA	0.1	20/03/2015	A100-12311	3	None	None	II
hazard orange	Lydia's Test Material	1.2e	20/03/2015	A100-123	3	None	None	II
hazard orange	HydroMetho-HM1	1.1e	13/08/2014	8975	3	6.1	None	II
hazard red	my mixture2	2.3e	16/12/2013	753588	None	None	None	II
hazard orange	SODIUM BORATE MIXTURE	2.3e	18/09/2013	112225	None	None	None	None
hazard orange	calcium hydroxide mixture	1.1e	01/01/2013	3535	8	None	None	III
AuthorITe Chemwatch Application 2020								
30/01/2020 17:22:36								

2.1.5 SDS Issue Date Versus Issue Date in Product Identification Form

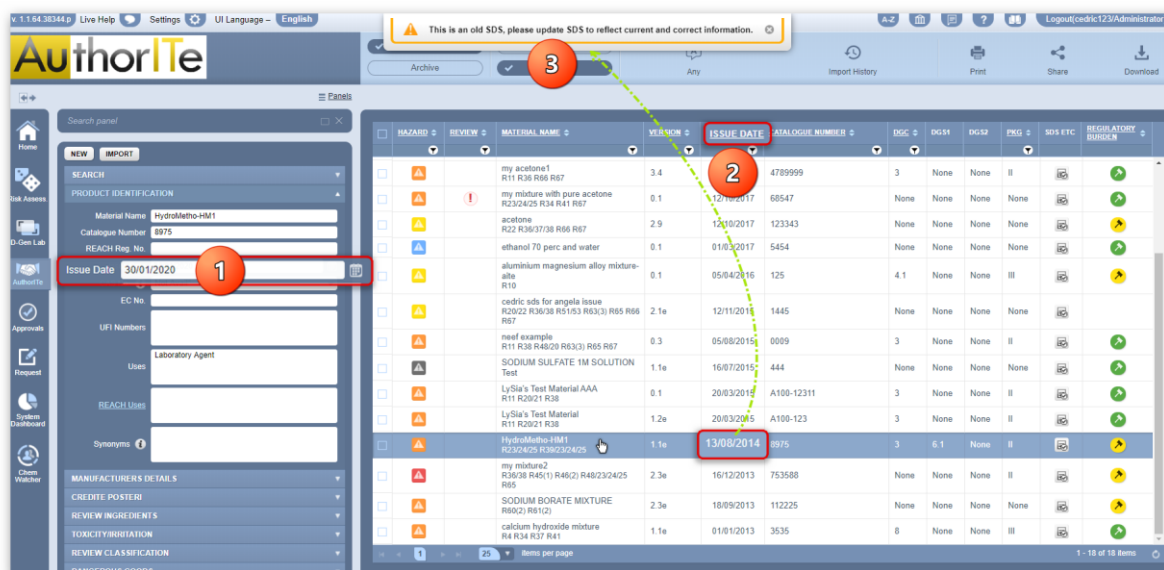
Products are registered in the database as pure or non-pure chemicals. Each chemical SDS will contain an **Issue Date** for ease of generally tracking the last version of an SDS as to when it was issued. This information is reflected in materials grid's Issue Date column. The issue date shown in the Product Identification form is picked up by default as the current date when the material is opened in the AuthorITe Product Identification form.

If a material in the grid has an old issue date, by selecting the name of the material from the respective row from the grid will trigger a warning message to alert the author that the selected material is an old SDS and requires an update as shown below.



User Interface Issue Date Elements

- Product Identification tab – Issue Date
- Issue Date header on AuthorITe grid
- Warning message shown when there's an old SDS



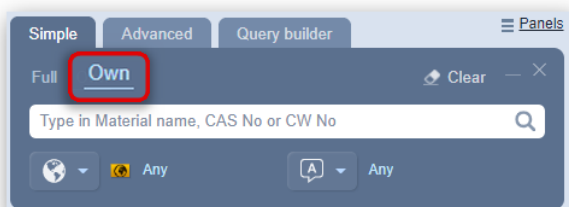
Task for Consideration: It is essential to ensure that an SDS is updated to reflect current classification information by reviewing the SDS. It is a requirement to comply with providing SDS that are up to date for internal or external use.

2.1.6 Search from OWN Inventory

The Own Search button is a simple search to allow users to look materials from the Own collection located in the Chemwatch database. The variety of optional parameters includes the:

- Material name
- CW (Chemwatch) Number
- CAS number




The Own Collection will return found records in the materials grid. The own search considers folder's content and user permissions to find material that actually exist in the domains enterprise folders where all created SDS are automatically saved.



The following steps illustrate the sequence with screen capture on 'how to use the simple search autocomplete method', to look up ☺ for a material from the Own database path ☺ Own option.

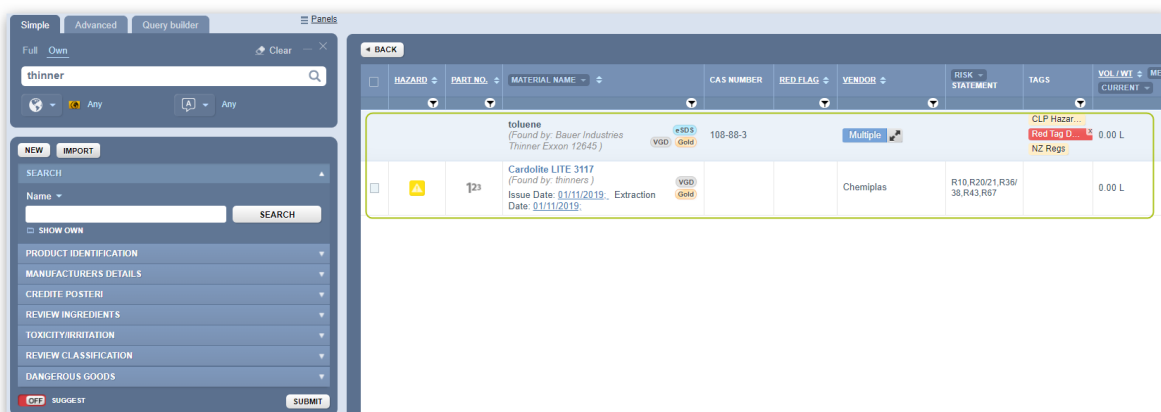
i Setting the Own Search option will direct all subsequent searches to be conducted from your business or your organization's authored SDS collection, registered in Chemwatch's database.

Steps: Searching for Material from Own Inventory

1. Press the **Simple** search button from within the search panel.
2. Click the **Own** search option to look up  for the pure chemical from the Chemwatch full database collection.
3. Set the **Country**  from the drop-down arrow ▼ (i.e., if your search mode is not set to your specific country).
4. Set the **Language**  from the drop-down arrow ▼ (i.e., if your search mode is not set to your specific language).
5. Type the **name of the pure chemical or CAS number**, in this example, a pure chemical name is used.



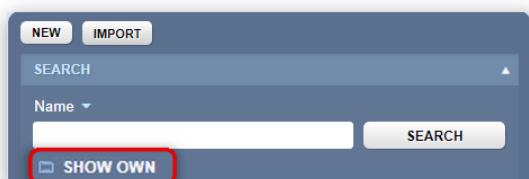
6. Select the **Magnifying Glass** to search.
7. Search results will be shown on the main grid for any record located within the entire inventory for your domain.



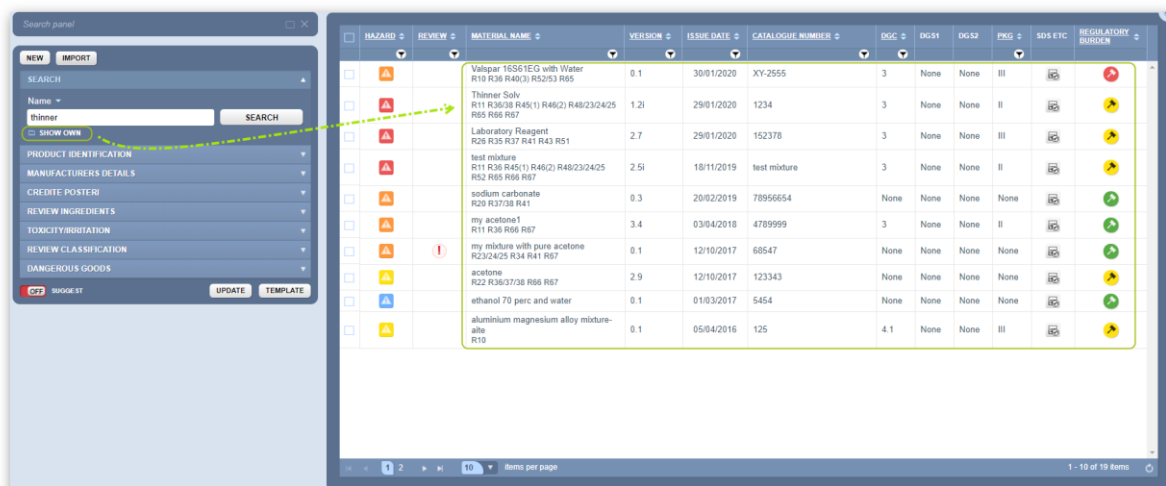
The following steps illustrate how to search for materials from your authored SDS's list of materials.

8. Select the **Search form** tab.
9. Type the **Name** of the Material.

Note: There's also an option to display the list of existing materials in your AuthoriTe by pressing the form's **Show Own** button located under the search field as shown below.

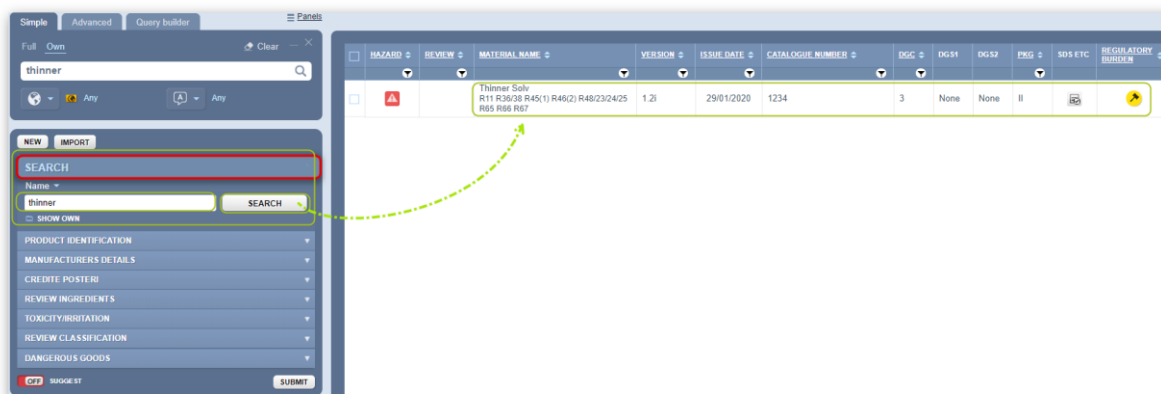



The Show Own list will display all the authored SDS materials found in your AuthoriTe module.

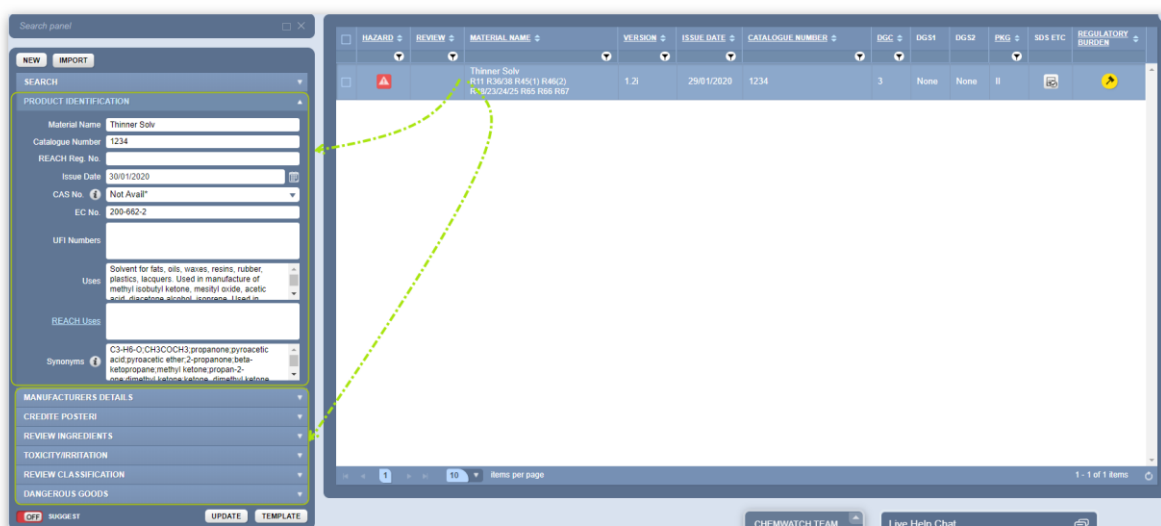



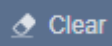
Press the **search** button.

10. The search results of your authored list will get displayed as shown below if material is found in your list.



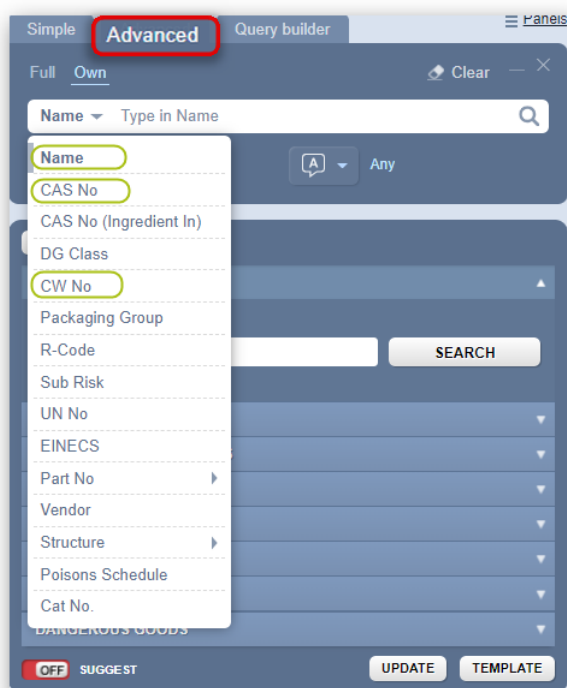
- From the search result list, click on the name of the material to automatically populate the various AuthoriTe  form fields from the Chemwatch database with available information/data about the classified substance.



 You may go back to topic 2.1.2 to edit SDS or simply use the Clear button  from the search panel to remove the current search and its results to start anew.

2.1.5 Advanced Search Options


The Advanced Search method allows users in general to search by generic names of products, chemicals, pure substances, synonyms, part numbers, preferred names, CAS numbers, CW numbers, DG class, Risk Code, Packing Group, Sub Risk, UN No., Poison Schedule, and Molecular Structure.



The table below provides the search options available in the Name drop-down list and their respective descriptions.

Search Option	Description	Use (Search by)
Name/CAS/CW	Name of material/CAS No./CW No.	To allow user to search by the name of the material, chemical abstract substance number or Chemwatch number to retrieve a Vendor, Mini, Gold SDS, Labels and Emergency Reports.
CAS No	Chemical Abstract Substance Number	This is a unique numeric identifier in the CAS REGISTRY designated to a known substance.
CAS No (Ingredient In)	Ingredients In CAS No	Chemical Abstract Substance Number (CAS No) ingredients in material
Vendor	Search for material using Vendor (Manufacturer, Supplier) name	Lists parent company and subsidiary operating businesses. Lists materials available in the database by that company. Access to Vendor, Mini, Gold, Labels and Emergency Reports.
DG Class	Dangerous Goods Class	DG Classes 1 to 9 are listed to choose the primary class field.
CW No	Chemwatch Number	Chemwatch numbers are assigned to all materials registered in the Chemwatch database for both pure and non-pure substances.

Search Option	Description	Use (Search by)								
Packing Group field (PKG)	Packing Group as per DG classification	<div>Packing Group is the grading of danger for materials classed as dangerous goods.</div> <table><tr><th>PG</th><th>Level of Danger</th></tr><tr><td>I</td><td>Greater danger</td></tr><tr><td>II</td><td>Medium danger</td></tr><tr><td>III</td><td>Minor danger</td></tr></table>	PG	Level of Danger	I	Greater danger	II	Medium danger	III	Minor danger
PG	Level of Danger									
I	Greater danger									
II	Medium danger									
III	Minor danger									
R-Code	Risk Code	Risk code is a hazard classification used to classify a substance.								
Sub Risk	Sub Risk	Sub Risk as per DG classification.								
UN No	United Nations Number	UN No is a UN four-digit identity number that identifies a hazardous substance in the international transport framework.								
EINECS	EINECS number used in European countries	European Inventory of Existing Commercial Chemical Substances. These are substances considered phase-in substances under the REACH Regulation.								
Part No, User Part No, Vendor	User dependent part number, vendor part number	Vendor Part number (External) assigned to a product or User assigned Part Number (Internal). A Part number is a product code that can be assigned to a material as an identifier. This number can be a product code (vendor/manufacture) or an internally derived number for the product. By internal, any user from the company can use a stock number for the product or any number they deem necessary to easily identify the material within their business or organisation, especially if they are generating their own internal mixtures for internal use. This number can have any supported alpha-numeric and special characters.								
Vendor	Manufacturer or Supplier	Search the database by use of the name of the vendor, manufacturer, or supplier.								
Structure	Draw a 2D molecular structure	Search the database by use of a chemical molecular structure. Smiles strings can be used to search for specific material.								
Poison Schedule	Classification of medicines and poisons in Australia	Poison schedule number between 1 and 10 to find available materials scheduled as medicines and poisons in the database.								
Cat No.	Catalog number	Search by catalog number								
Document Number	Document ID	Search by Chemwatch’s document number assigned to the SDS. This DOC ID is shown from the document list grid when hovering mouse pointer on a document name								

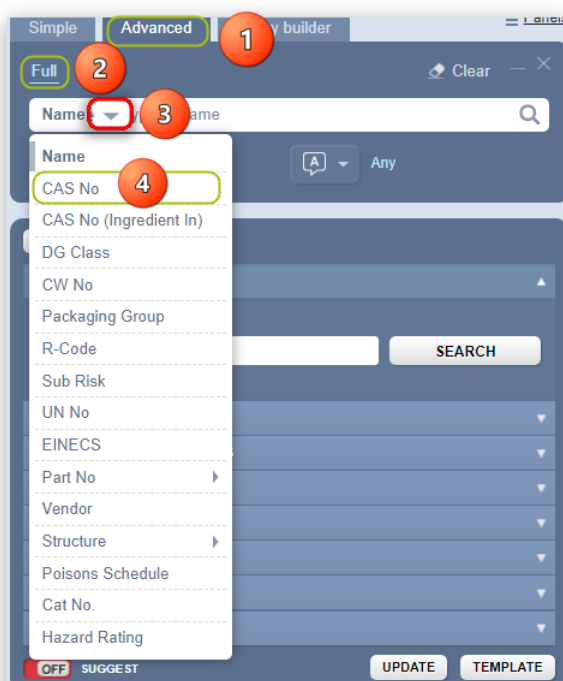
The following section illustrates the sequence of steps with screen capture on how to use the Advanced Search to look up  for a material by CAS No.

i The Full Search option will direct all subsequent searches to be conducted from Chemwatch's entire database collection.

2.1.5.1 Search by CAS No

Steps: Searching by CAS Number

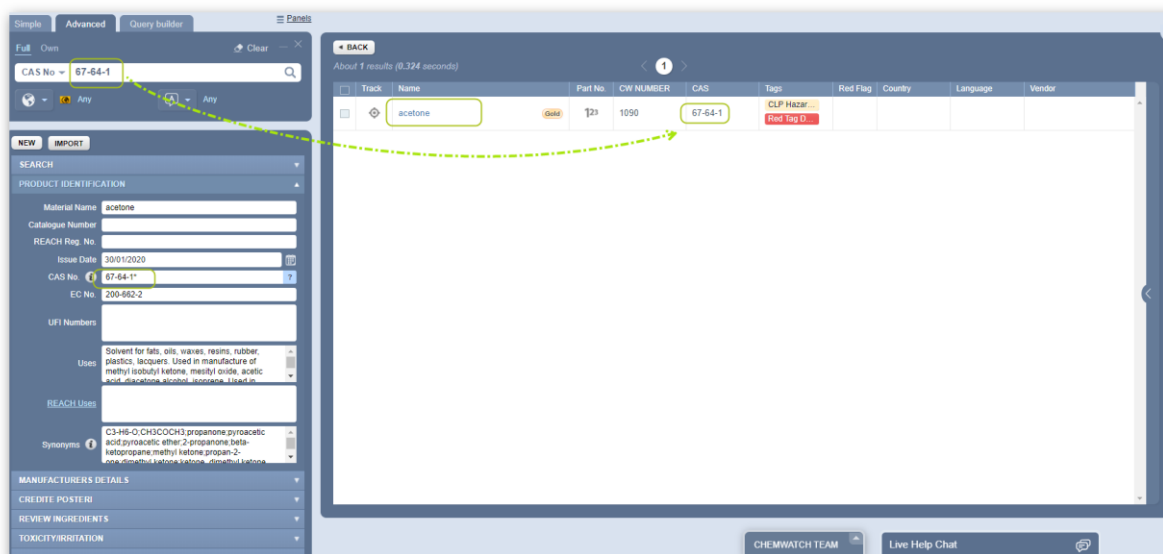
1. Press the **Advanced** search mode.
2. Click the **Full** search option to look up a material from the Chemwatch full database collection.
3. By default, the Name is shown in search text field. Click the **Name** drop down arrow to open the advanced search options.
4. Click the **CAS No** search text field.





5. Type the CAS number in the free text field, e.g., 67-64-1 (CAS number for acetone)
6. Click the **Search** magnifying glass to look up for the material.



7. Click the **name of the material** from the found record to auto-populate the AuthorITe form tabs with relevant data.



 Follow the steps in topic 2.1.2 for more details. Use the Clear button  from the search panel to remove the current search and its results to start a new search criterion.

2.2 SDS Settings, Edit SDS Content and Publish SDS



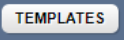


This sub-topic will cover the following activities:

- General overview of SDS settings and attributes
- SDS templates to generate various document types
- Editing an SDS using edit function & green edits
- Generate an audit report
- Generate a Mini SDS (one page hazard summary document)
- Generate a label
- Chemwatch hazard ratings label on materials table and SDS



Let's now take a closer look at the various reports and features in AuthoriTe focussing on the following attributes:

Component	SDS Attributes	Summary of Settings and Permissions
AuthoriTe user permissions and privileges.	The administrator has the responsibility of creating AuthoriTe users and setting up roles, permissions, and the respective privileges.	User related permissions and AuthoriTe privileges: <ul style="list-style-type: none"> • Access to AuthoriTe • Manage user roles • Edit logo settings • Access to settings of any user • Access to CREDO (optional)

Component	SDS Attributes	Summary of Settings and Permissions
		<ul style="list-style-type: none"> Access to DGEN (optional)
SDS Settings	The ADM has the responsibility of reviewing the default SDS Settings to ensure that all related SDS Settings meet jurisdictional requirements.	SDS related settings: <ul style="list-style-type: none"> Specific SDS Settings Jurisdictional Settings AuthorITe Settings
SDS Structure	The SDS design is based on the standard 16 sections as per compliance requirements for any manufacturers, vendors, or suppliers, etc.	<p>The SDS structure will maintain the 16 sections for any set format irrespective of jurisdictional settings, visual appearance, or sentence count. These are the SDS settings options that may affect how the SDS gets displayed by default:</p> <ul style="list-style-type: none"> Country, Language SDS Format, Sentence Count, SDS Font Size Visual appearance Display Format
SDS Content	The SDS content rendered depends on the specific SDS Settings and Jurisdiction Settings to show information in any of the sections of the SDS.	<p>The SDS information generated depend on settings applied:</p> <p>SDS Settings – ISO country codes, Trade names in synonyms, Preferred names, Preferred vendor, Glove selection in SDS, Respirator tables in SDS, Show Hazard Alert Code, etc.</p> <p>Jurisdiction Settings - GHS Classification (GHS), CLP, WHMIS, ECHA Summary, etc.</p>
SDS Edit	Edits can be applied to the SDS in Edit Mode in draft or published (internal/external) version.	<p>An authored SDS can be compared with other versions through the  function.</p> <p>The Edit tool  is available in the SDS to edit specific SDS content.</p> <p>Templates are also available through the  function to set a specific default template for any of these options; Gold SDS, Min SDS, Advice to Doctor, Environment, PPE, SOP and Toxicological.</p>
SDS Publish/Unpublish	The SDS can be published or unpublished from the Publish function within the AuthorITe toolbar	<p>The Publish function  enables authors to publish a drafted SDS. Once the SDS is publish, it can also be unpublished by using Unpublish  function.</p>

i If the AuthorITe privileges are not set up properly, some user will not be able to use the module properly. For any privilege or edit rights, contact your Administrator, or send an email to helpdesk@chematch.net.

2.2.1 SDS Templates

There are a few available templates to choose from and can be set as default(s) depending on your business requirements. These templates can be set when viewing the actual SDS document as shown below.

The screenshot shows the AuthorITe interface for a Safety Data Sheet (SDS) document titled 'Thinner Solv'. The 'TEMPLATES' tab is selected in the top navigation bar. The document header includes the Chemwatch logo, product name 'Thinner Solv', catalogue number '1234', version '1.2', and safety data sheet requirements. A red banner indicates the 'Chemwatch Hazard Alert Code: 4'. The 'SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING' section is visible, containing a table for product identification.

Product Identifier	
Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Chemwatch has created a few templates that can be used to generate the following document types.

The 'Templates' dialog box displays a grid of template buttons: Gold SDS, Mini SDS, Advice to Doctor, Environmental, PPE, SOP, and Toxicological. There is a checkbox for 'Set as default template' and a 'SHOW' button.

Once any of these templates are set be default and the system will load the content accordingly.

i Note that the Mini SDS, Advice to Doctor, Environmental, PPE, SOP and Toxicological reports are generally used for emergency situations for a quick specific reference as they are shorter documents with specific information relevant to the title of the document, e.g., the PPE document will have person protective equipment information whereas the SOP document will contain standard operating procedural information (exposure controls, precautions for safe handling, storage compatibility, etc.).

2.2.2 Editing an SDS

After you have created your SDS, it is now in draft mode for further edits where necessary. The table below summarises the edit functions.


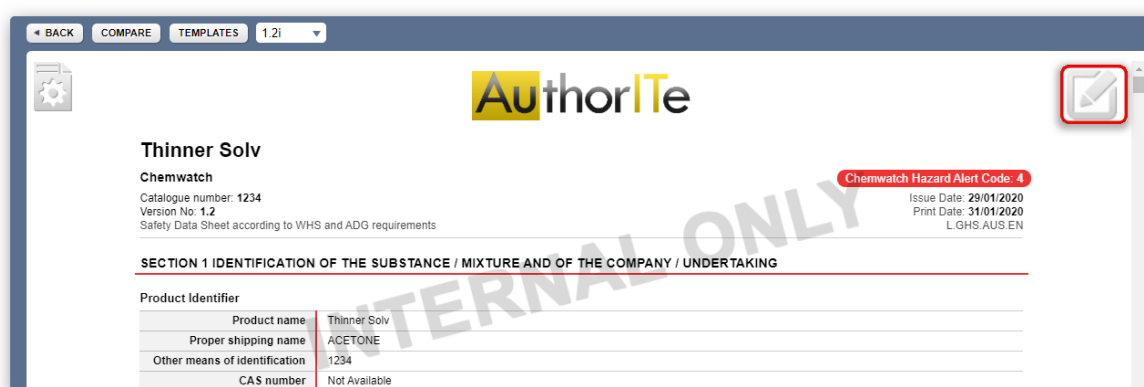

Edit SDS	Task Attribute	Parameter
Edit Mode 	The Edit function enables authors to edit the SDS Title (with red edits) and the SDS Sectional content (with green edits).	<ul style="list-style-type: none">The Edit button is located at the top right corner of the SDS. You can add free texts or user CPs (common phrase).

Figure: SDS Content Edit function




Product Identifier	
Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

The following sub-topics illustrate 'how to edit your SDS'.

 If a user does not have the edit permission, consult with the Administrator within your business/organisation to review your permissions related to AuthorITe or send us an email to helpdesk@chemwatch.net. Please include relevant information in the email, i.e., screenshots, etc.

2.2.2.1 Editing an SDS using the SDS Content Edit Function

Steps: Editing SDS

1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **GOLD SDS** icon to load the document.

	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Valspar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III		
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R48(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234						
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
<input type="checkbox"/>			sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		

3. Press the **SDS Content Edit** function button on the top right corner of the SDS.

BACK
COMPARE
TEMPLATES
1.2i

3

Thinner Solv

Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 31/01/2020
L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Notice the SDS will re-load with the edit button changed to EDIT MODE which enables an editor to make changes to any section of the SDS content.

BACK
COMPARE
TEMPLATES
1.2i

EDIT MODE

PHRASE LIBRARY

RUNNING HEAD will be displayed in pdf only

Page <#current_page> of <#total_page_count>

Issue Date: 29/01/2020
Print Date: 31/01/2020

Thinner Solv

Thinner Solv

Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 31/01/2020
L.GHS.AUS.EN

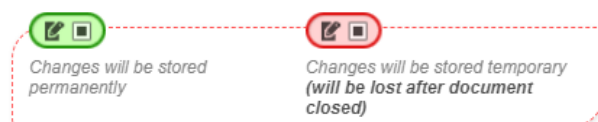
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

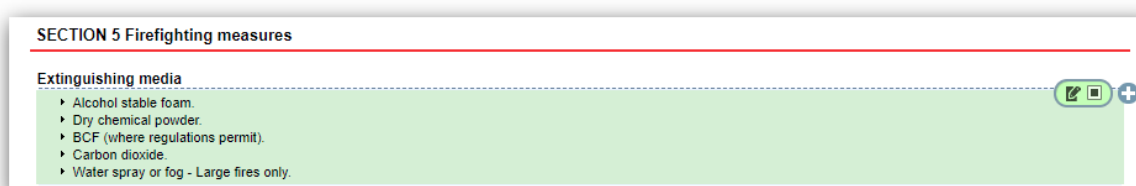
4. Click the **Edit Mode** button on the top right corner of the SDS to view the two available edit options.

i The available edit options when in EDIT MODE are the green edits and red edits;

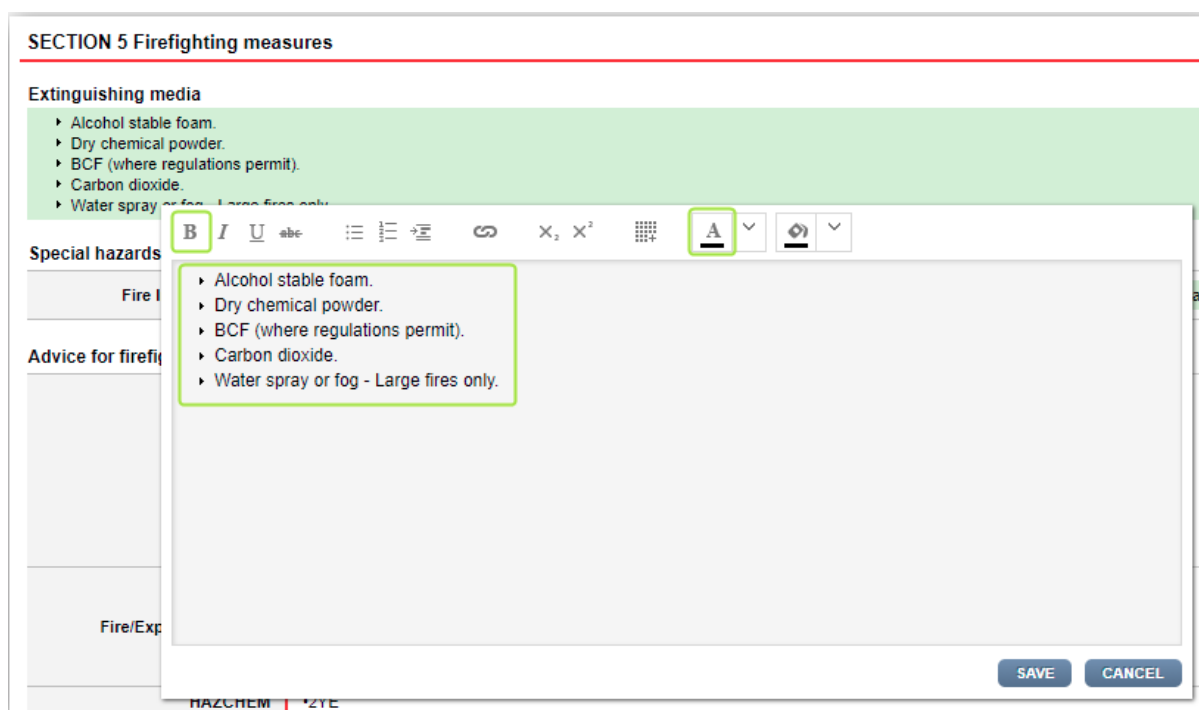


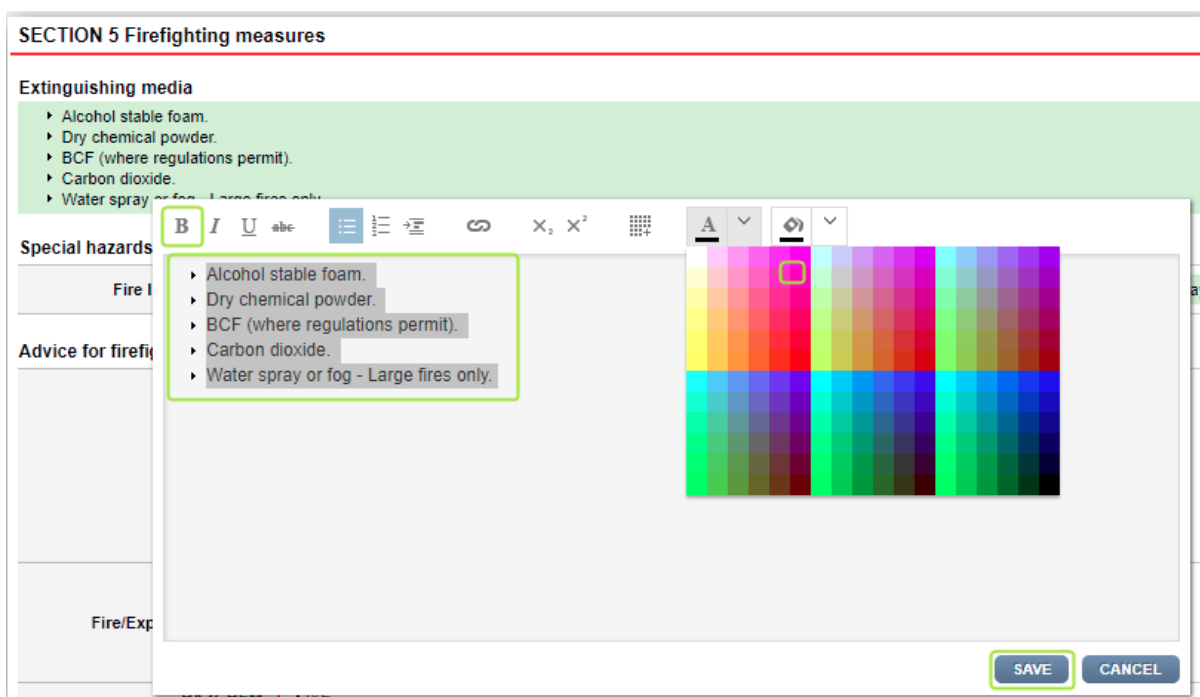
Changes made through **green edits** on versioned SDS will be automatically saved in published SDS version. If the SDS version is updated again; say with a new ingredient, the previously updated green edits will also be reflected in the next published version.

5. Hover your mouse over SDS title highlighted area to show the edit options.



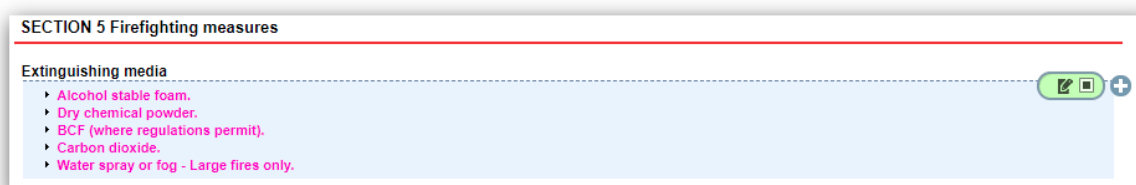
6. Click on the Green Edit icon.
7. Use the **Editor** pop-up window to make the necessary changes, e.g., change the colour of the text and bold it.






8. Enter the **changes** in the text field and use the editor tools to either add columns, bold text, set text colour, set background colour, set italics, underline, etc. and select the save **SAVE** button.

Changes effected on that specific section are shown below as an example.




9. To continue editing the rest of your document, navigate using the menu button to easily jump between different sections of the SDS. For example, to edit First Aid (Section 4) of the. Click on the **SDS Sections Menu** icon located on the top left of the document.
10. Select **SDS Section 4** from the menu button  to view content.

- The section will be shown as “hidden” – notice the faint green highlight colour below.

SECTION 10 Stability and reactivity	
Reactivity	See section 7
Chemical stability	<ul style="list-style-type: none"> Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.

- Again, once satisfied with the hidden phrase, select the **final save** button.


SECTION 10 Stability and reactivity		EDIT MODE 
Reactivity	See section 7	PHRASE LIBRARY <input type="button" value="SAVE"/> <input type="button" value="CANCEL"/>
Chemical stability	<ul style="list-style-type: none"> Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur. 	

- The section now will look blank.

SECTION 10 Stability and reactivity	
Reactivity	See section 7
Chemical stability	

Disclaimer:

- In green edit mode, hiding the sub-headers of a phrase will result in hiding the entire section of the sub-heading upon re-rendering the SDS.

SECTION 7 Handling and storage	
Precautions for safe handling	
<div>Safe </div>	<p>The conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10 000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid.</p> <ul style="list-style-type: none"> Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling discharging or handling operations. <p>Contains low boiling substance: Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately.</p> <ul style="list-style-type: none"> Check for bulging containers. Vent periodically Always release caps or seals slowly to ensure slow dissipation of vapours DO NOT allow clothing wet with material to stay in contact with skin
Other information	<ul style="list-style-type: none"> Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

2. Upon selecting the Edit Mode save **SAVE** button, the sub-section is now hidden. However, the sub-section phrases still shows as this is in a “static” mode.

SECTION 7 Handling and storage	
Precautions for safe handling	<p>The conductivity of this material may make it a static accumulator. A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10 000 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid.</p> <ul style="list-style-type: none">Containers, even those that have been emptied, may contain explosive vapours.Do NOT cut, drill, grind, weld or perform similar operations on or near containers.Electrostatic discharge may be generated during pumping - this may result in fire.Ensure electrical continuity by bonding and grounding (earthing) all equipment.Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec).Avoid splash filling.Do NOT use compressed air for filling discharging or handling operations. <p>Contains low boiling substance:</p> <p>Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately.</p> <ul style="list-style-type: none">Check for bulging containers.Vent periodicallyAlways release caps or seals slowly to ensure slow dissipation of vapoursDO NOT allow clothing wet with material to stay in contact with skin
Other information	<ul style="list-style-type: none">Store in original containers.Keep containers securely sealed.Store in a cool, dry, well-ventilated area.Store away from incompatible materials and foodstuff containers.Protect containers against physical damage and check regularly for leaks.Observe manufacturer's storage and handling recommendations contained within this SDS.

3. Notice that the entire sub-section of “Safe handling” is now missing upon re-rendering the SDS.

SECTION 7 Handling and storage	
Precautions for safe handling	
Other information	<ul style="list-style-type: none">Store in original containers.Keep containers securely sealed.Store in a cool, dry, well-ventilated area.Store away from incompatible materials and foodstuff containers.Protect containers against physical damage and check regularly for leaks.Observe manufacturer's storage and handling recommendations contained within this SDS.



2.2.2.3 Generate an Audit Report










A material's audit report can be drawn from the system for each authored SDS through the Audit function of the SDS ETC button within the materials grid. This type of report provides information about the Classification rationale of the material including the contributing factors:

- Physical hazards
- Environmental hazards
- STOT
- Reproductivity
- Carcinogenicity
- Germ Cell Mutagenicity
- Eye irritation
- Skin irritation
- Aspiration




The following steps show how to quickly generate such a report for reference information as per the classification of the material based on its ingredient(s).

Steps: Generating an Audit Report

1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **Audit**  icon to load the document.

MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H318 (Cat 1), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)	0.1	30/01/2020	XY-2555	3	None	None	III		
Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234					   	
Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None		III		

3. Scroll through the document by using the vertical scrollbar on the right-hand side to view relevant information.
4. Use the **Print, Share and Download** toolbar to generate the report in report in print format; share or download.

BACK Regular Mini

GHS Classification Rational Report

Ingredients	Name	CAS	Conc.	Input H codes	Country	Physical state
acetone		67-64-1	60	H225 (Cat 2) ¹ , H303 (Cat 3) ¹ , H316 (Cat 3) ¹ , H319 (Cat 2) ¹	New Zealand	Liquid
benzene		71-43-2	40	H225 (Cat 2) ¹ , H302 (Cat 4) ¹ , H310 (Cat 2) ¹ , H315 (Cat 2) ¹ , H319 (Cat 2) ¹ , H340 (Cat 1) ¹ , H350 (Cat 1) ¹ , H360 (Cat 1) ¹ , H370 (Cat 1) ¹ , H372 (Cat 1) ¹ , H401 (Cat 2) ¹ , H402 (Cat 3) ¹ , H413 (Cat 4) ¹ , H433 (Cat 3) ¹		
Result:				H302 (Cat 4), H310 (Cat 2), H315 (Cat 2), H319 (Cat 2), H340 (Cat 1), H350 (Cat 1), H360 (Cat 1), H370 (Cat 1), H372 (Cat 1), H401 (Cat 2), H413 (Cat 4), H433 (Cat 3), H225 (Cat 2)		

CLASSIFIED AS
Physical Hazard
 Contribution factor/s
 Physical State Liquid, Rule generated

Classification
 H225 (Cat 2)



Acute Vertebrate Hazard
 Contributing Ingredient/s

CHEMWATCH ENTOURAGE



Live Help Chat

2.2.2.4 Generate a Mini SDS Report

A **Mini SDS** is a one-page colour coded hazard summary report that is generally useful in emergency response situations, where it provides material classification information, graphical information; Ingredient(s) composition, OELs, GHS hazard classification, primary health hazard, precautions for use (PPEs), physical properties, emergency graphics, first aid and safe storage with other classified chemicals. Note the Mini SDS data is drawn from the full SDS and dependent on the available of the Gold SDS. The following steps show how to quickly generate such a report for reference information as per the classification of the material based on its ingredient(s).

 The Mini SDS country, language and format is based on the respective SDS Settings . The example of the Mini SDS below is set to Country = Australia, Language = English and SDS Format = GHS. These settings are applied based on the business jurisdictional operations to ensure that the data meets compliance requirements for the country of operation.

Steps: Generating a Mini SDS

1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **Mini**  SDS icon to load the document.
3. Scroll through the versioned document by using the **vertical scrollbar** on the right-hand side to view relevant information.
4. Use the **PSD toolbar** to generate the report in printed format or save or share.
5. You may also change the **Language** from the Language drop-down options.
6. View other versions from the version drop-down options.



Chemwatch: 9-452791

Chemwatch Hazard Alert Code: 4

MINI SDS

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

test mixture

INGREDIENTS	CAS NO	%	8HR OEL
Smartsuite test (benzene)	71-43-2	10	3.2 mg/m ³
prefname4 (acetone)	67-64-1	50	1185 mg/m ³
water-180	14314-42-2	40	-

GHS **DG** **UN No. 1090** **HAZCHEM CODE: -ZYE** **DO Class: 3** **Subsidiary Risk: Not Applicable** **Packing Group: II** **Poisons Schedule: Not Applicable**

PROPERTIES

Liquid.
Mixes with water. Highly flammable.

EMERGENCY

FIRST AID

Swallowed: Rinse mouth with water.
Wash with running water (15 mins). Medical attention.

Eye: Flood body with water. Remove contaminated clothing. Wash with water.

Skin: Fresh air. Rest. Keep warm. If breath shallow, give oxygen. Medical attention.


Inhaled: No antidote. Supportive care.

Advice To Doctor: Keep containers cool. Water spray fog. Foam - alcohol type. Eliminate ignition sources. Consider evacuation. Proceed from attention frame.

HAZARD STATEMENT(S)


H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H402 Harmful to aquatic life.
H225 Highly flammable liquid and vapour.
H340 May cause genetic defects.
H315 Causes skin irritation.
H350 May cause cancer.

2.2.2.5 Generate a Label



A **Label** is used to identify a substance or a chemical in a container . It is often the initial source of information, presented in a written and or graphic form and is attached or on the outside face of a container. The label enables an employee to identify the hazard and qualities of the contents in a container. It is important to determine the specific purpose of the label. Is the label for a product used within the organisation only or for products to be sold commercially? If intended for sale, will the product be used domestically or industrially? This will affect the information that is required by legislation to appear on a chemical container. One of the main requirements is to ensure the label is clear, concise and legible to ensure an employee understands the information that appears and that it also complies with the labelling regulations.

General label Information includes;

- Language written in English.
- Product identifier
- Manufacturer or Supplier's name, address, and business telephone number
- Identify and proportion disclosed (composition%) in accordance with Schedule 8 for each ingredient.
- Hazard pictogram(s) applicable to the correct classification of the chemical (GHS pictogram)
- Hazard statement(s), signal word, precautionary statement(s) consistent with the applicable classification of the chemical
- Hazards first aid, emergency procedures
- Expiry date of the chemical where applicable

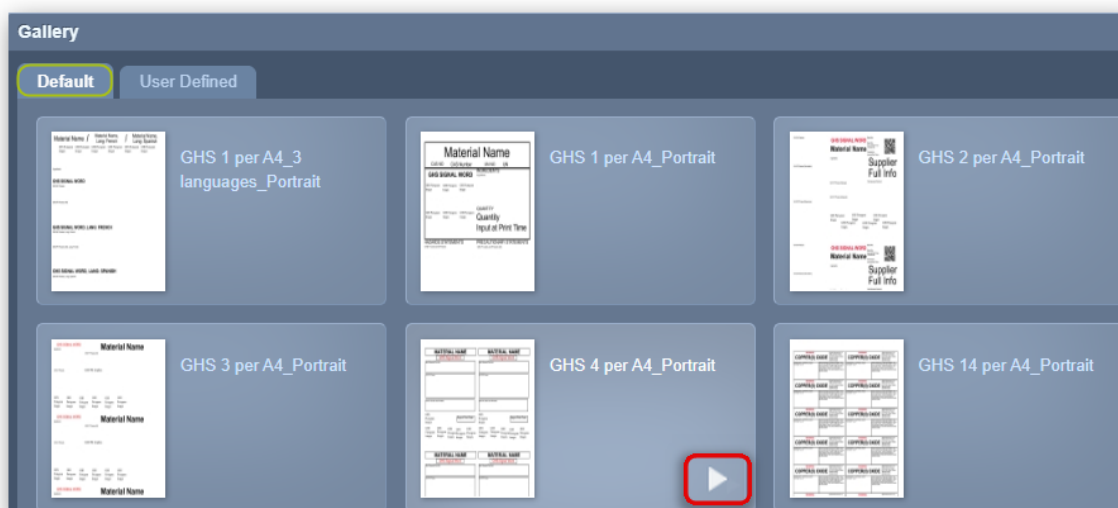
 The label information is generally based on the Gold SDS settings on what type of information will be generated.

Steps: Generating a Label

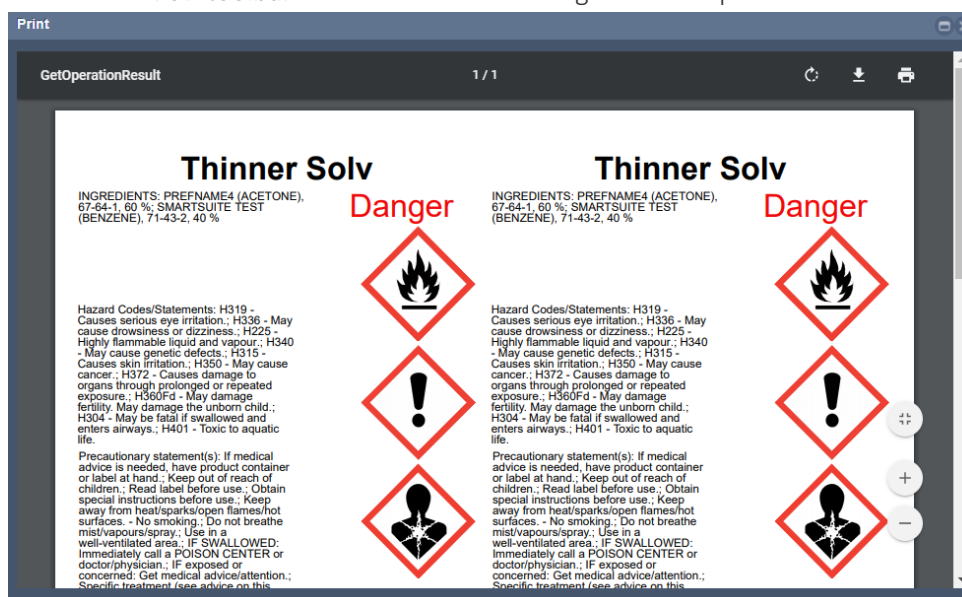
1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **Label**  icon to load the gallery (which contains two tabs – default and user defined).

MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H318 (Cat 1), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)	0.1	30/01/2020	XY-2555	3	None	None	III		
Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234						
Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None	None	II		

- From the default Chemwatch label template thumbnails, you must select an option, e.g., the GHS 4 per A4 Portrait is used in this case. Hover your mouse pointer towards the bottom right corner of that label frame until a forward arrow displays and then click on it to generate the selected label.



- Use the PSD toolbar within the acrobat PDF generate to print or save the label.



2.2.2.6 View the Chemwatch Hazard Ratings Label









Chemwatch also provides a card type of label on the user interface based on Chemwatch Hazard Ratings. This type of card label provides a summary hazard classification information on the following headers:

- Chemwatch hazard rating and colour
- Physical state
- Hazard statement(s)
- Risk Statement(s)
- Carcinogenicity
- Pictograms
- Dangerous Goods
- GHS pictograms
- Chemwatch hazard ratings bar graphics
- Dangerous Goods pictogram(s)

 The card label information is generally based on the availability of the material's Gold SDS classification.

Steps: Viewing Hazard Summary Card

1. Click the **Hazard**  icon alongside the material name to display the card label.

<input type="checkbox"/>	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC
<input type="checkbox"/>			acetone with water AUH066, H225 (Cat 2), H319 (Cat 2A), H336 (Cat 3)	0.1	31/01/2020	4567	3	None	None	II	
<input type="checkbox"/>			Valspar 16S61EG with Water H226 (Cat 3), H304 (Cat 1), H315 (Cat 2), H318 (Cat 1), H336 (Cat 3), H402 (Cat 3), H411 (Cat 2)	0.1	30/01/2020	XY-2555	3	None	None	III	
<input type="checkbox"/>			Thinner Solv H225 (Cat 2), H304 (Cat 1), H315 (Cat 2), H319 (Cat 2A), H336 (Cat 3), H340 (Cat 1B), H350 (Cat 1A), H360Fd (Cat 1B), H372 (Cat 1), H401 (Cat 2)	1.2i	29/01/2020	1234	3	None	None	II	
<input type="checkbox"/>			Laboratory Reagent H226 (Cat 3), H314 (Cat 1A), H317 (Cat 1B), H318 (Cat 1), H330 (Cat 1), H350 (Cat 1A), H401 (Cat 2)	2.7	29/01/2020	152378	3	None	None	III	

2. The **Hazard Summary** card label provides the respective colour code matching the hazard colour code graphic from the materials table.




3. Press the **Close** icon  to close the card label window.

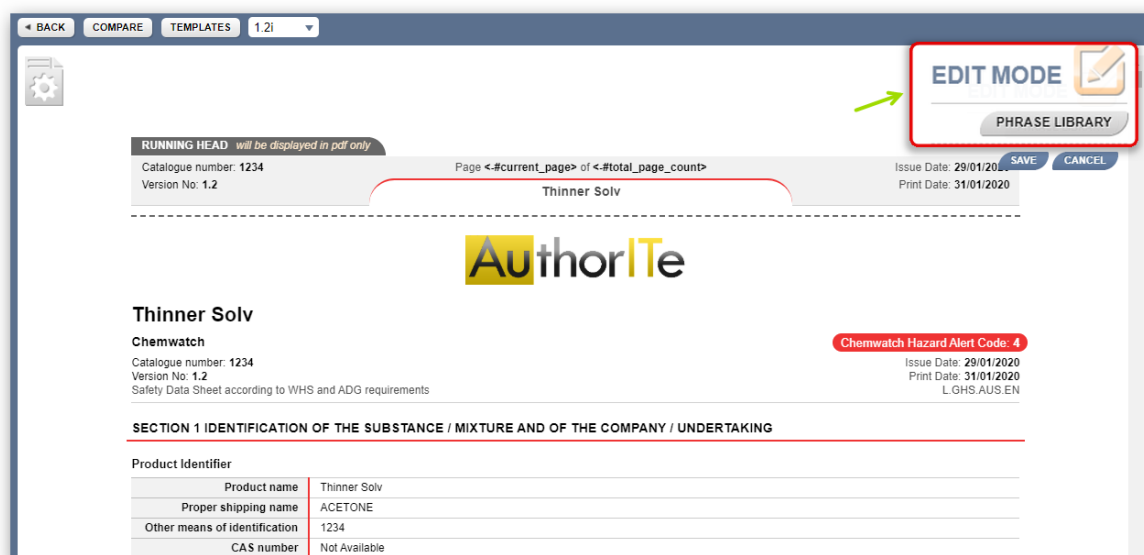
2.3 User Defined Phrases (Phrase Library)

This sub-topic will cover the following objectives:


- How to access the SDS Edit mode
- How to create user defined phrases using phrase library
- How to use the phrase editor
- How to change the default language



The phrase library tool provides users with the ability to add their own texts for every data point on the SDS and translate them under different languages. This tool is available through the Edit Mode  button.



Steps: Add Phrases in the Phrase Library

1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **GOLD SDS** icon to load the document.

	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DGS1	DGS2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Valspar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III		
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R48(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234						
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
<input type="checkbox"/>			sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		

3. Press the **SDS Content Edit** function button on the top right corner of the SDS.

BACK
COMPARE
TEMPLATES
1.2i

3

Thinner Solv

Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 31/01/2020
L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Notice the SDS will re-load with the edit button changed to **EDIT MODE** which enables an editor to make changes to any section of the SDS content.

BACK
COMPARE
TEMPLATES
1.2i

EDIT MODE

PHRASE LIBRARY
SAVE
CANCEL

RUNNING HEAD will be displayed in pdf only

Catalogue number: 1234
Version No: 1.2

Page <#current_page> of <#total_page_count>

Thinner Solv

Issue Date: 29/01/2020
Print Date: 31/01/2020

AuthorITe

Thinner Solv

Chemwatch
Catalogue number: 1234
Version No: 1.2
Safety Data Sheet according to WHS and ADG requirements


Chemwatch Hazard Alert Code: 4
Issue Date: 29/01/2020
Print Date: 31/01/2020
L.GHS.AUS.EN

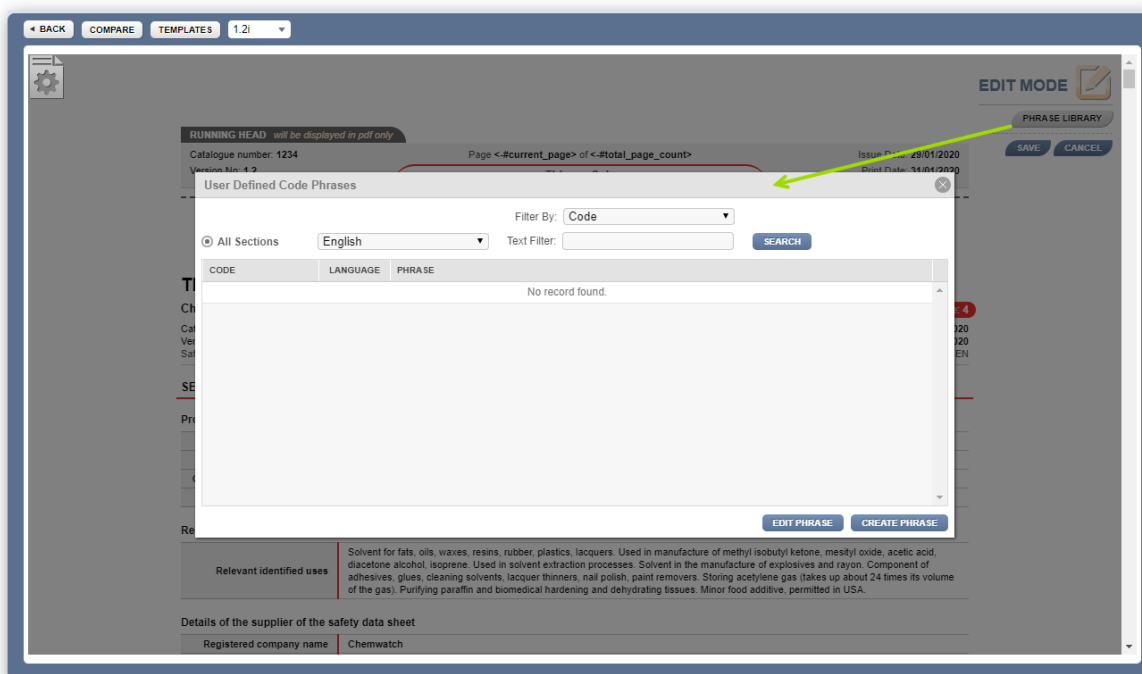
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

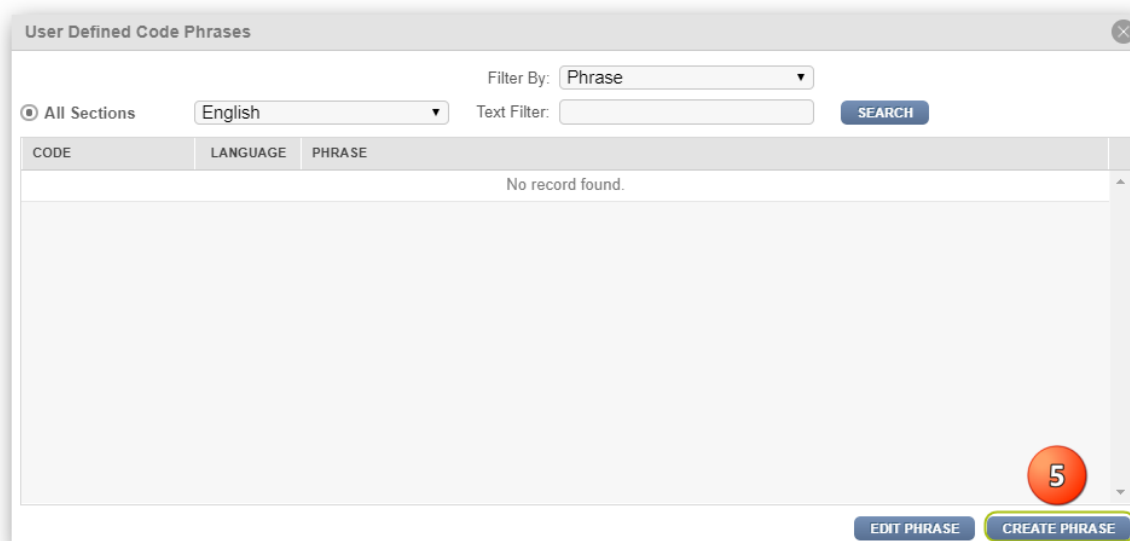
Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

4. Click the **PHRASE LIBRARY** button on the top right corner of the SDS to open the User Defined Code Phrases library window.

 The Phrase Library provides language options, filter options and a search function. It enables users to create their own user defined phrases that can be used in the SDS. The language default is “English”. Feel free to change it to the language of choice!



5. Press the  button to enter a new phrase.



6. Select “**New Code or Existing Code**” from the Code drop-down list. If there is no existing code, user will need to create the code phrase (CP code) using the “New Code” selection and select the create button. i.e., #fireincomp say for Fire Compatibility section.

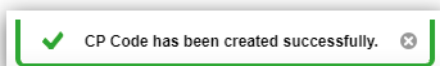
User Defined Code Phrase - Create / Edit

New Code

CP Code:

Language:

A notification will come up to confirm the CP Code you have created.



7. **Search the CP code** created by selecting “**Existing Code**” and select languages of interest for the phrase to be translated. Make sure to select the save button in-between adding the different language phrase(s).

User Defined Code Phrase - Create / Edit

Existing Code

CP Code: #fireincomp

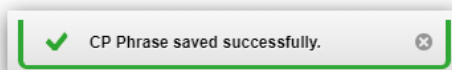
Language: English

B *I* U ~~abc~~ \times_2 \times^2

Avoid storing with reducing agents.

SAVE CLOSE

A notification will come up for every phrase/translation you have successfully saved.



Add the translation. i.e. German translation.

User Defined Code Phrase - Create / Edit

Existing Code

CP Code: #fireincomp

Language: German

Vermeiden Sie die Lagerung mit Reduktionsmitteln.

SAVE CLOSE

8. Click on the **SAVE** button from the Editor window to effect changes and then press the close button.
9. Add the CP Code to the section of interest in the SDS via “Add User CPs before” or “Add User CPs after”; i.e., Fire Incompatibility section.

SECTION 5 Firefighting measures

Extinguishing media

- Alcohol stable foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Advice for firefighters

Fire Fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use fire fighting procedures suitable for surrounding area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

Add User CPs before

Insert before

Remove

Insert after

Add User CPs after

10. You may search for your CP Codes via Filter By “Code” or “Phrase” if known, Language(s) if known, or simply select “All Sections” and select the Search **SEARCH** button.

Select User Defined Code Phrases

☐ Current Section
☒ All Sections

Filter By: Code
 Language: English
 Text Filter:

SEARCH

SELECT	CODE	LANGUAGE	PHRASE
No record found.			

Selected Codes:

ADD TO THIS SECTION EDIT PHRASE CREATE PHRASE

11. Select the code you want to add to the SDS section; you may also further edit the phrase by pressing edit phrase button if it requires modification. Otherwise, simply select “Add to This Section.”

Select User Defined Code Phrases

☐ Current Section
☒ All Sections

Filter By: Code
 Language: English
 Text Filter:


SEARCH

SELECT	CODE	LANGUAGE	PHRASE
<input type="checkbox"/>	[REDACTED]	EN	[REDACTED]
<input type="checkbox"/>	[REDACTED]	EN	[REDACTED]
<input type="checkbox"/>	[REDACTED]	EN	[REDACTED]
<input checked="" type="checkbox"/>	#fireincomp	EN	Avoid storing with reducing agents.

Selected Codes: #fireincomp

ADD TO THIS SECTION EDIT PHRASE CREATE PHRASE

12. The phrase add will be shown as depicted below and then select the final **Save** button.

SECTION 5 Firefighting measures EDIT MODE 

Extinguishing media

- ▶ Alcohol stable foam.
- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.
- ▶ Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility	<p>Avoid storing with reducing agents.</p> <p>▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</p>
-----------------------------	--

PHRASE LIBRARY
SAVE CANCEL

13. To confirm the translation, **render the SDS** in the different country/languages of interest for the phrase(s) that was added via the Phrase Library function, i.e., Australia (English) and Germany (German).

Australia English GHS Unpublish Print

CK COMPARE TEMPLATES 1.2i

SECTION 5 Firefighting measures

Extinguishing media

- ▶ Alcohol stable foam.
- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.
- ▶ Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility	<p>Avoid storing with reducing agents.</p> <p>▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</p>
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Germany German REACH Unpublish REACH USES Print

CK COMPARE TEMPLATES 1.2i

ABSCHNITT 5 Maßnahmen zur Brandbekämpfung

5.1. Löschmittel

- ▶ Alkoholbeständiger Schaum.
- ▶ Trockenes Löschpulver.
- ▶ BCF (wenn die Vorschriften das erlauben)
- ▶ Kohlendioxid.
- ▶ Wassersprühstrahl oder Nebel - nur für große Feuer.


5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Feuerunverträglichkeit	<p>Vermeiden Sie die Lagerung mit Reduktionsmitteln.</p> <p>Vermeiden Sie die Kontamination mit oxidierenden Mitteln, zum Beispiel mit Nitraten, oxidierenden Säuren, Chlor-Bleichen, Schwimmbad-Chlor usw., da es zur Entzündung kommen kann.</p>
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2.4 Compare SDS

The Compare SDS feature allows you to compare the changes made to one version of the SDS to another version.

Steps: Display Compare SDS

1. Press the **SDS**  button alongside the material name; located in SDS ETC cell.
2. Click the **GOLD SDS** icon to load the document.

	HAZARD	REVIEW	MATERIAL NAME	VERSION	ISSUE DATE	CATALOGUE NUMBER	DGC	DG1	DG2	PKG	SDS ETC	REGULATORY BURDEN
<input type="checkbox"/>			Valspar 16S61EG with Water R10 R36 R40(3) R52/53 R65	0.1	30/01/2020	XY-2555	3	None	None	III		
<input type="checkbox"/>			Thinner Solv R11 R36/38 R45(1) R46(2) R48/23/24/25 R65 R66 R67	1.2i	29/01/2020	1234		SDS GOLD				
<input type="checkbox"/>			Laboratory Reagent R26 R35 R37 R41 R43 R51	2.7	29/01/2020	152378	3	None	None	III		
<input type="checkbox"/>			test mixture R11 R36 R45(1) R46(2) R48/23/24/25 R52 R65 R66 R67	2.5i	18/11/2019	test mixture	3	None	None	II		
<input type="checkbox"/>			sodium carbonate R20 R37/38 R41	0.3	20/02/2019	78956654	None	None	None	None		

3. Press the **Compare**  button to activate comparison function to compare current version with previous one.

BACK

COMPARE

TEMPLATES

1.2i

- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.
- ▶ Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility

▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Advice for firefighters

Fire Fighting

- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- ▶ Wear breathing apparatus plus protective gloves in the event of a fire.
- ▶ Prevent, by any means available, spillage from entering drains or water courses.
- ▶ Use fire fighting procedures suitable for surrounding area.
- ▶ **DO NOT** approach containers suspected to be hot.
- ▶ Cool fire exposed containers with water spray from a protected location.
- ▶ If safe to do so, remove containers from path of fire.
- ▶ Equipment should be thoroughly decontaminated after use.

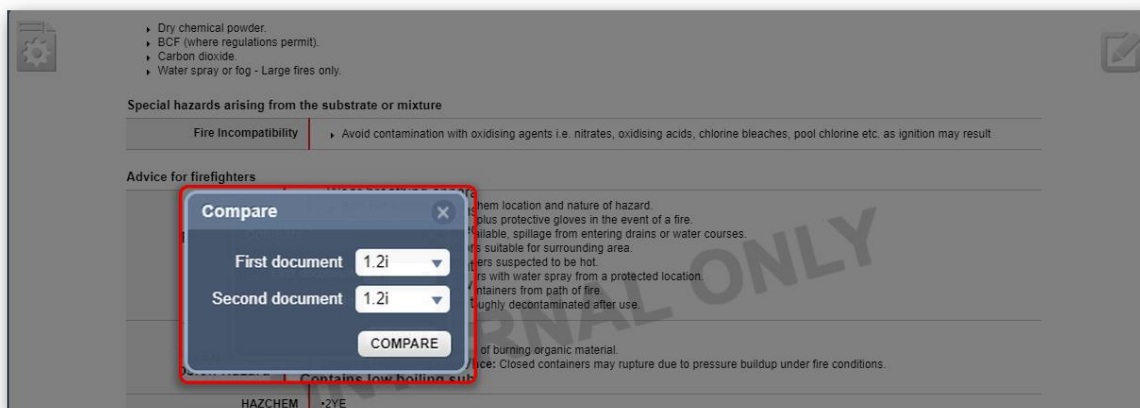
Fire/Explosion Hazard

carbon dioxide (CO2)
other pyrolysis products typical of burning organic material.
Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions.
May emit poisonous fumes.

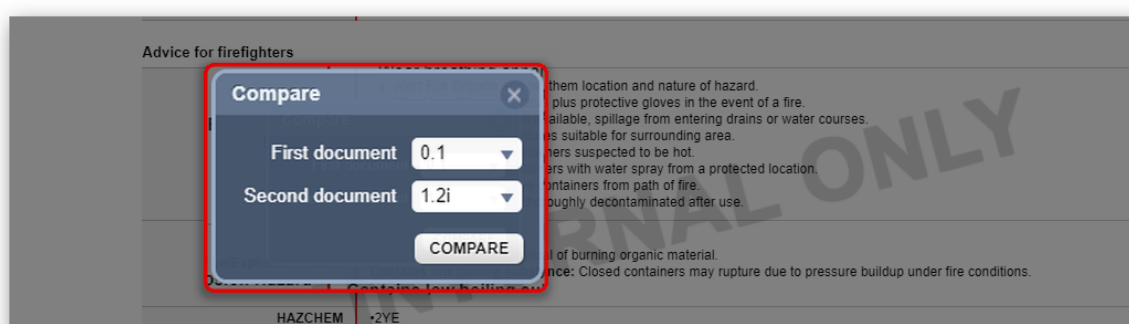
HAZCHEM


+2YE

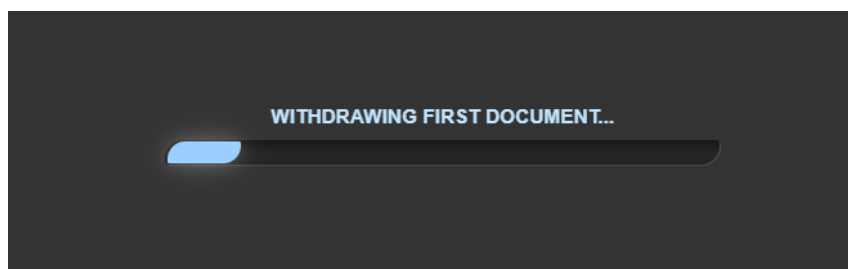
4. Select the **First** and **Second** document versions to compare against each other from the drop-down list.



The previous SDS version has been selected as shown below.



5. Press the **Compare**  button from the pop-up window to load.
6. The system will start withdrawing the first document, wait.



7. Once the compare window has finished loading the compare document (see water mark), check the compare functional colour coding on text – version No section of the SDS Header title on the left-hand side of the document, e.g., version 0.1 (red background colour on text) is compared with version 1.2 (green background colour) on text in this example.

Compare

Thinner Solv

Chemwatch Solv

Catalogue number: 1234

Version No: 0.11.2

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code:

Issue Date: 29/01/2020

Print Date: 31/01/2020

L.GHS.AUS.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Thinner Solv
Proper shipping name	ACETONE
Other means of identification	1234
CAS number	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Solvent for fats, oils, waxes, resins, rubber, plastics, lacquers. Used in manufacture of methyl isobutyl ketone, mesityl oxide, acetic acid, diacetone alcohol, isoprene. Used in solvent extraction processes. Solvent in the manufacture of explosives and rayon. Component of adhesives, glues, cleaning solvents, lacquer thinners, nail polish, paint removers. Storing acetylene gas (takes up about 24 times its volume of the gas). Purifying paraffin and biomedical hardening and dehydrating tissues. Minor food additive, permitted in USA.
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Details of the supplier of the safety data sheet

Registered company name	Chemwatch
Address	1227 Glen Huntly Rd Glen Huntly VIC Australia
Telephone	+61 3 9573 3100
Fax	Not Available

Compare

Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	Yes

Legend:

Yes = All CAS declared ingredients are on the inventory

No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Revision Date	29/01/2020
Initial Date	28/11/2005

CONTACT POINT

Ensure to contact Emergency line if case of incident. The number to dial is provided below for internal purposes ONLY. For external reference about the MSDS, go to section 2 to find the manufacturer's emergency contact details.

SDS Version Summary

Version	Issue Date	Sections Updated
0.2.1.1.1	29/01/2020	Fire Fighter (fire/explosion hazard), Synonyms

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average

PC - STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit



IT'S NOT THE HAZARD
IT'S THE RISK!

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