







SDS Inventory Manager in use

How to create a risk assessment of a chemical?

SDS Manager allow you do create Risk assessment of chemicals and use these for Chemical Instructions.

The base information of a risk assessment includes:

- The form of the substance
- What the substance is used for
- How the substance should be used
- How the substance should be disposed of
- Duration of exposure to the substance when handled
- Amount of the substance when handled
- Hazard types relevant for handling the substance
- classification of risk, classification of exposure and effect of PPE and controls for each hazard type
- Storage risk regarding safety events
- Storage risk regarding environmental release events

Granular Absorbent - IL - MS	Oil-Dri Corporation	2018-09-07	14 l	H5	S1	E1
Risk category	Without controls	Controls		With controls		
Eyes	H5			H3		
Oral	H4			H3		
Skin	H4	 		H3		
Flamable	S3	 		S1		

For all locations you have the substance stored, you can evaluate the storage risk.

To create Risk assessments for SDS, you will need the PRO version. On the page for [Risk Assessments \(require login\)](#) click the "Add risk assessment" button or select "Create Risk Assessment" from the SDS list.

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As seen in the below example, SDS Manager allow you document the risk of the chemical when no controls are in place (2).

As part of the risk assessment, you can document required PPE and other controls required for safe handling, storage and disposal of the product. You can also determine the level of risk in handling and storing the chemical when used according to procedures and precautions documented in the risk assessment - i.e. risk rating after controls (3).

Storage risk is determined based on the quantity stored, the inherent safety dangers of the chemicals and estimated likelihood of an safety event where controls are required and document in the risk assessment are in place (4).




















SDS Manager allows risk assessments to be approved (5) and when changes are needed, new revisions can be created.















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Below is an example of a chemical risk assessment created in SDS Manager:

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Chemical instruction & risk assessment

Product Name	LIQUID RESIN CLEANER	 Open SDS	Risk categories	Without controls	With controls
Manufacturer Name	CH2O, Incorporated		 Flammable	 S1	 S1
			 Environment	 E1	 E1
			 Corrosive	 H3	 H3
			 Eyes	 H3	 H3
			 Skin	 H3	 H3
			 Inhalation/Respi	 H3 n	 H3

How should the substance be used? Clean accordint to descriptin on 3D printer operation manual.	How should the substance be disposed of? Dispose of all waste product and wastes generated from this product in accordance with local, state, and federal regulations. Assume wastes are hazardous unless characterization demonstrates otherwise. Handle empty drums as if they contain chemical residual until they have been thoroughly decontaminated.
Storage requirements keep locked	Hazards pictograms  
Hazard statements H290: May be corrosive to metals H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation	
Hazards and controls	
 Flammable	 Not Dangerous  Very low Controls in place  No smoking
 Environment	 Not Dangerous  Very low
 Corrosive	 Hazardous  Medium Controls in place  Wear protective clothing  Do Not Leave Waste

See example reports:

[Chemical instruction & risk assessment of 540101 EPOXY IMPREGNATION PRIMER - **Activator** \(Click to see PDF file\)](#)

[Chemical instruction & risk assessment of 540101 EPOXY IMPREGNATION PRIMER - **Base** \(Click to see PDF file\)](#)

Below is example of Job work instruction (COSHH report) for work involving the two above chemicals.

[Job hazard analysis report - **Priming epoxy floor** \(Click to see PDF file\)](#)

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Unique solution ID: #1087

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