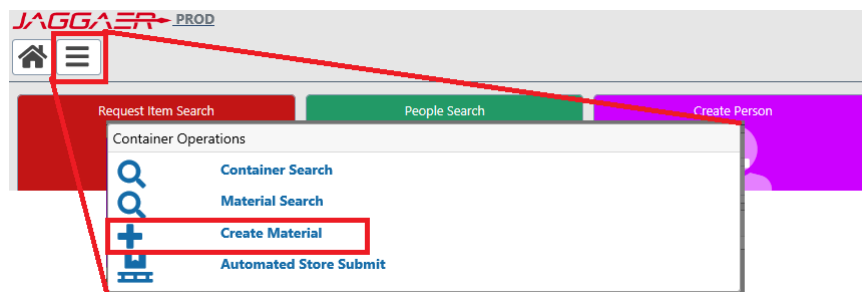
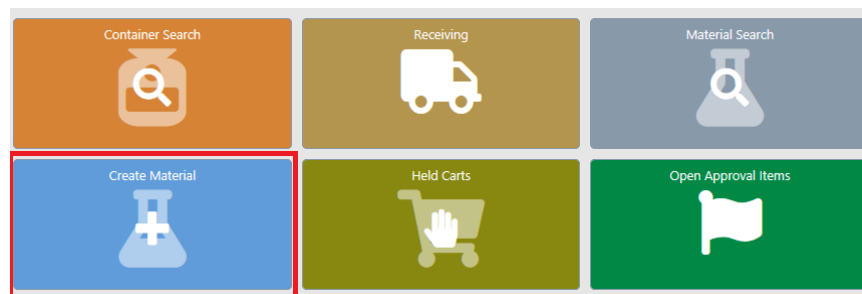


Creating a new material



- ▶ Click on the “Create Material” tile or go Menu→Container Operation→Create Material
- ▶ Carry out a thorough search in “Material Search” tile to make sure the substance does not already exist (*this saves you having to enter all the GHS hazard data if it already exists*)
- ▶ In the **Name / Identifier** field enter either:
 - ▶ the CAS number,
 - ▶ the name of the substance e.g. Sodium Chloride
 - ▶ the name of the substance **with wildcards** (e.g. *sodium**chloride* or *amino*phenyl*prop* if you are after (1R,2S)-(-)-2-amino-1-phenyl-1,3-propandiol

JAGGAER PROD

Container Operations | Create Material

Create Material

Common Name *
Maximum of 250 characters

Structure Identifier Maximum of 250 characters Add +

Import Paste Edit Clear

- ▶ If no search results are returned then follow the steps below to create the new material
- ▶ Type the name of the new material in the **common name** field
- ▶ Click on the “**Create Material**” button

The screenshot shows the 'Material property' window in the JAGGAER ERM Researcher system. The window title is 'DMF-Ethol'. The interface includes a sidebar with navigation options: 'General Info', 'Health/Safety', 'Identifiers', 'Physical Properties', and 'Ingredients'. The main form has the following fields and sections:

- Name:** DMF-Ethol
- Material Type:** (Dropdown menu)
- Material Class:** Chemical
- Creator:** Tuong, Trung
- Status:** Not Reviewed
- Material Source:** (Text field)
- Structure Identifiers:** (Table with columns 'Type' and 'Value', and an 'Add +' button)
- Synonym Type:** Alias
- Synonym Value:** (Text field with an 'Add +' button)

This opens the “Material property” window.

Please complete as many fields as possible that will assist other users e.g. in the “Identifiers” Tab enter:

- ▶ Common Name
- ▶ Formula
- ▶ Material Type: biological, mixture & pure chemical
- ▶ Material Class: Chemical & chemical do not container
- ▶ Material Source: commercial, lab made & propriety
- ▶ Type in the CAS number or MDL number in “Structure Identifiers” field
- ▶ Click on the “Synonyms” button to add in any alias (alternative name) for the material

JAGGAER ERM Researcher

Container Operations | Edit Material Physical Properties

DMF-Ethol

Save | Create Container

SDS

General Info

Identifiers

Physical Properties

Ingredients

Health/Safety

H&P Statements

Storage Codes

GHS

EHS List

Hazard Properties

NFPA/HMIS Ratings

Transport Hazards

Formula
Maximum of 250 characters

Physical State Value >= 0	Molecular Weight Value >= 0	Purity Maximum of 250 characters
Density(Kg/L) Value >= 0	Specific Volume Value >= 0	Form
Flash Point Maximum of 250 characters	Boiling Point Maximum of 250 characters	Melting Point Maximum of 250 characters
pH Maximum of 250 characters	pH Value	
Solubility Maximum of 250 characters	Solvent Maximum of 250 characters	
Color Code	Vapor Density Maximum of 250 characters	Vapor Pressure Maximum of 250 characters

Now go to the “**Physical Properties & Product Information**” tab. Enter in as much information as you think might assist others (none of the information in this particular tab is mandatory)

- ▶ Purity: concentration of material can be entered here
- ▶ Storage Code (e.g. fridge or FlamLiqCab)
- ▶ Melting Point and Boiling Point
- ▶ Molecular Weight
- ▶ pH etc

SDS

General Info

Identifiers

Physical Properties

Ingredients

Health/Safety

H&P Statements

Storage Codes

GHS

Hazard & Precaution Statements


R	R1 Explosive when dry	▼	Add Risk +
H	H200 Unstable explosive.	▼	Add Hazard +


Statement #

Click on the GHS Properties tab. (**VERY IMPORTANT**). This records all the Hazard and Safety data.

Complete ALL fields. *This information determines the pictograms for the safety label PLUS enables accurate reporting for the emergency services. You MUST use the information from the Safety Data Sheet to complete this section (Use either the supplier's SDS or one downloaded from Sigma-Aldrich)*

- ▶ Click on the "**H & P Statement**" which opens the GHS Hazard and Precaution Statements table. Select the relevant hazard statements (as per the SDS) and click on "add hazard+" button.

Save 

Create Container 

SDS

General Info

- Identifiers
- Physical Properties
- Ingredients

Health/Safety

- H&P Statements
- Storage Codes
- 1 GHS**
- EHS List
- Hazard Properties
- NFPA/HMIS Ratings
- Transport Hazards

GHS

Explosives		▼
Flammable Gas		▼
Flammable Aerosols		▼
Oxidizing Gas		▼
Compressed Gas		▼
Flammable Liquid	Category 2	▼
Flammable Solid		▼
Unstable Reactive		▼
Pyrophoric Liquid		▼
Pyrophoric Solid	2	▼
Self Heating		▼
Water Reactive		▼
Oxidizing Liquid		▼
Oxidizing Solid		▼
Organic Peroxides		▼
Corrosive		▼
Acute Toxicity		▼
Skin Damaging/Irritation	Category 2	▼
Eye Damage	Category 2A	▼
Sensitization		▼
Mutagenicity		▼

- ▶ Select **GHS(1)**: Click on the down arrow for each of the relevant Hazard Classes and choose the correct **category (2)** (as stated on the SDS)
- ▶ Click “save” button (3) to complete the creation process.