



SAFETY DATA SHEET COORDINATION INTERNSHIP

Olivia Arms || TCO || Summer 2017

Today:

1. Internship goals
2. Phase 1: Conducting online research
3. Phase 2: Chemical inventory
4. Phase 3: Link to Famis
5. Future protocol

UNDERSTANDING **SAFETY DATA SHEETS** (SDS'S)

1. Identification
2. Composition/ingredients
3. First-aid measures
4. Fire fighting measures
5. Accidental release measures
6. Handling + storage
7. Exposure controls/PPE
8. Physical + chemical properties
9. Stability + reactivity
10. Toxicological information
11. Other information
 - a. Ecological
 - b. Disposal
 - c. Transport
 - d. Regulatory info



Safety Data Sheet



1 - Identification

Product Name: WD-40 Multi-Use Product Aerosol
NOT FOR SALE IN CALIFORNIA

Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion

Restrictions on Use: None identified

SDS Date Of Preparation: 07/20/2014

Manufacturer: WD-40 Company
Address: 1061 Cudahy Place (92110)
P.O. Box 80607
San Diego, California, USA
92138 -0607

Telephone:
Emergency only: 1-888-324-7596 (PROSAR)
Information: 1-888-324-7596
Chemical Spills: 1-800-424-9300 (Chemtrec)
1-703-527-3887 (International Calls)

2 - Hazards Identification

Hazcom 2012/GHS Classification:
Flammable Aerosol Category 1
Gas Under Pressure: Compressed Gas
Aspiration Toxicity Category 1

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



DANGER!

Extremely Flammable Aerosol.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.

Prevention

Keep away from heat, sparks, open flames, hot surfaces – No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.

Response

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

Storage

Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
Aliphatic Hydrocarbon	64742-47-8	45-50	Flammable Liquid Category 3

WHY DO WE NEED SAFETY DATA SHEETS?



SODIUM CHLORIDE

SULFURIC ACID

AMMONIA

The Big Picture:

- Increase user accessibility to SDS access
- Provide a right to know
- Access to appropriate PPE
- Minimize risk of exposure
- Initiate job hazard analyses (JHA's)
- Reduce negative health outcomes

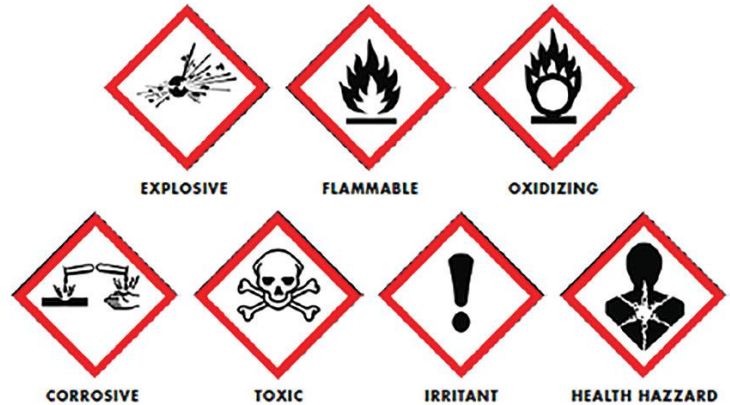


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PHASE 1

-Online research

-Assemble the updated safety data sheets from the manufacturers website



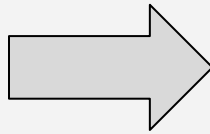
PHASE 2

- Conduct chemical inventory of all storage sites/shops around campus
- Update excel inventory sheets



PHASE 3 (IN PROGRESS)

- Attach SDS's to Famis
- Create a protocol for future attachment with new products
- Ensure all products with an SDS are easily accessible through the famis system



Protocol: How to attach an SDS as a document in Famis

The screenshot displays the Famis web application interface. At the top left is the 'famis' logo with the tagline 'an account company'. To the right, it says 'FAMIS XI Portal' and 'Welcome: OARMS'. Below the logo are 'Self Services' and 'FAMIS Menu' buttons. A blue navigation bar contains 'FAMIS' and a menu with 'File', 'Edit', 'Query', 'Record', 'Attachments', and 'Help'. A toolbar with various icons is visible below the menu. On the left, there is a 'Quickpicks' dropdown menu. The main content area is titled 'Part' and shows the following details:

- Part Number: 110308
- Category: CEMENT - RUBBER
- Part Name: HERCULES SOLVENT CEMENT

The 'General Description' section contains the following fields:

- Commodity: 00283
- Unit of Measure: Each
- Unit of Purchase: Each
- ABC Class: MSDS
- Status: ACTIVE
- Type: NON-STOCK
- Shelf Life: None
- Shelf Life Days:

The 'Long Description' section contains a text area with the following text:

HERCULES SOLVENT CEMENT, TYPE MEDIUM, FINISH CLEAR, SIZE 1PT, RELATIVE DRYING TIME MEDIUM SET, RESIN PVC, MAXIMUM RECOMMENDED PIPE SIZE 6IN, SCHEDULE 40 AND 80, STANDARD ASTM D2564, SPECIFIC GRAVITY 0.910+/-0.03, VOC EMISSIONS LOW VOC, APPLICATION WITH PVC TYPES I AND II, POTABLE WATER, DWV AND SW PIPE FITTING, ADDITIONAL INFORMATION JUMBO DAUBER IN CAP

The 'Warehouse Information' section is partially visible at the bottom. On the right side of the interface, there is a vertical column of buttons: Details, Bins, Bills of Mat1, Vendors, Substitution, Mfrs, History, Orders, Warehouses, Dates, Reservation, Shelf Life, Multi-Warehouse, and UM Conversion.

A part/product in Famis that requires an SDS (MSDS in Famis)

Protocol: How to attach an SDS as a document in Famis

famis an account company
FAMIS XI Portal
Welcome, OARMS

Self Services **FAMIS Menu**

FAMIS

File Edit Query Record Attachments Help

Quickpicks

Part

Part Number 110308 HERCULES SOLVENT CEMENT
Category CEMENT - RUBBER

General Description

Commodity	00283	Status	ACTIVE
Unit of Measure	Each	Type	NON-STOCK
Unit of Purchase	Each	Shelf Life	None
ABC Class	<input type="checkbox"/> MSDS <input checked="" type="checkbox"/>	Shelf Life Days	

Long Description

HERCULES SOLVENT CEMENT, TYPE MEDIUM, FINISH CLEAR, SIZE 1PT, RELATIVE DRYING TIME MEDIUM SET, RESIN PVC, MAXIMUM RECOMMENDED PIPE SIZE 6IN. SCHEDULE 40 AND 80, STANDARD ASTM D2564, SPECIFIC GRAVITY 0.910+/-0.03, VOC EMISSIONS LOW VOC, APPLICATION WITH PVC TYPES I AND II, POTABLE WATER, DWV AND SW PIPE FITTING, ADDITIONAL INFORMATION JUMBO DAUBER IN CAP

Details
Bins
Bills of Matl
Vendors
Substitution
Mfrs
History
Orders
Warehouses
Dates
Reservation
Shelf Life
Multi Warehouse

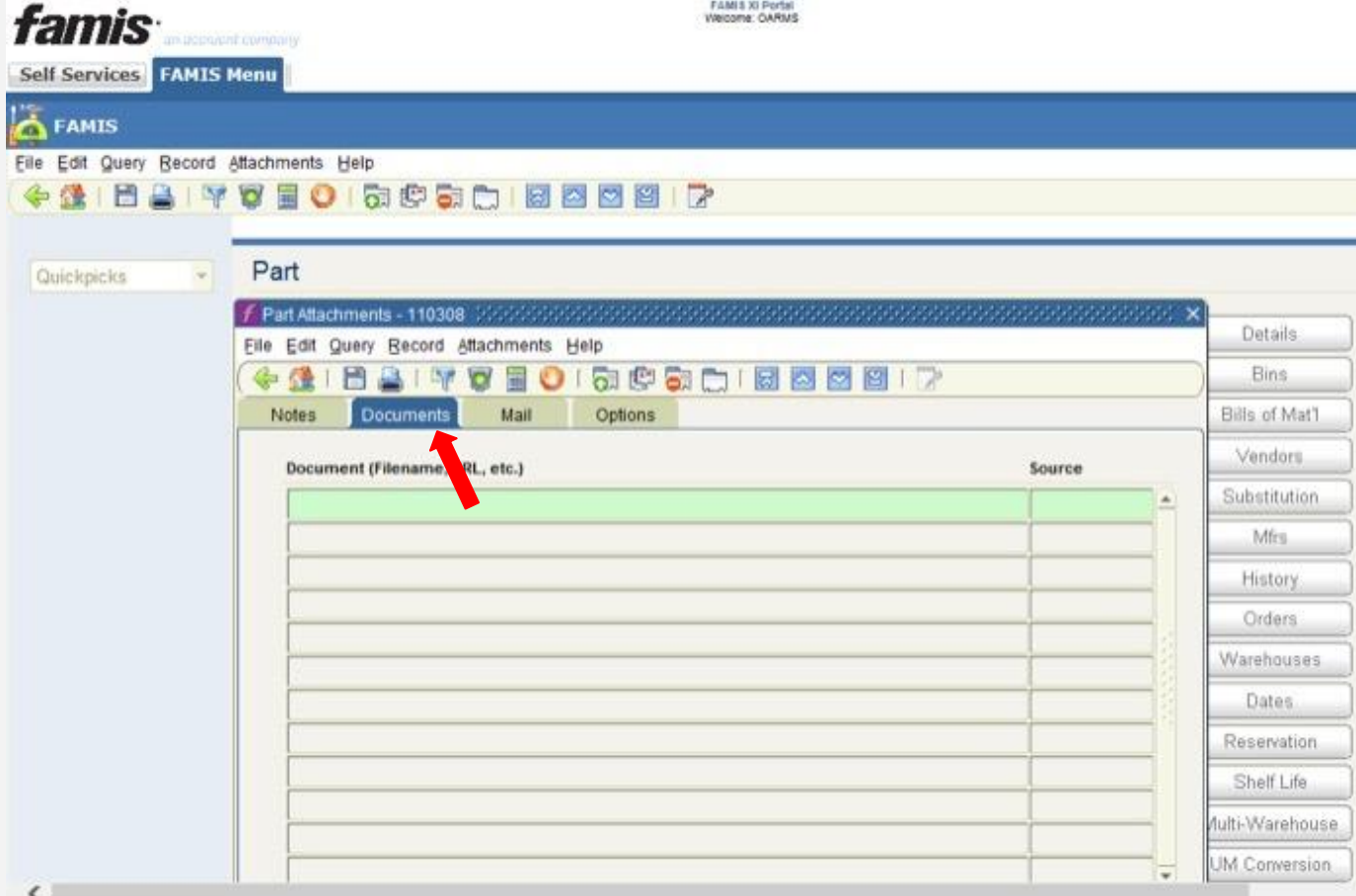
Check the box 'MSDS'

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The screenshot displays the Famis software interface. At the top left is the 'famis' logo with the tagline 'an account company'. To the right, it says 'FAMIS XI Portal' and 'Welcome: OARMS'. Below this is a navigation bar with 'Self Services' and 'FAMIS Menu'. The main menu includes 'File', 'Edit', 'Query', 'Record', 'Attachments', and 'Help'. The 'Attachments' menu is currently open, showing options for 'Attachments', 'Note Templates', and 'Mail Templates'. A red arrow points to the 'Attachments' option in the menu. Below the menu is a 'Quickpicks' dropdown. The main content area shows details for a part: 'Part Number' 110308, 'HERCULES SOLVENT CEMENT', and 'Category' CEMENT - RUBBER. There are sections for 'General Description' and 'Long Description'. The 'Long Description' contains the following text: 'HERCULES SOLVENT CEMENT, TYPE MEDIUM, FINISH CLEAR, SIZE 1PT, RELATIVE DRYING TIME MEDIUM SET, RESIN PVC, MAXIMUM RECOMMENDED PIPE SIZE 6IN, SCHEDULE 40 AND 80, STANDARD ASTM D2564, SPECIFIC GRAVITY 0.910+/-0.03, VOC EMISSIONS LOW VOC, APPLICATION WITH PVC TYPES I AND II, POTABLE WATER, DWV AND SW PIPE FITTING, ADDITIONAL INFORMATION JUMBO DAUBER IN CAP'. On the right side, there is a vertical list of buttons: 'Details', 'Bins', 'Bills of Mat'l', 'Vendors', 'Substitution', 'Mfrs', 'History', 'Orders', 'Warehouses', 'Dates', 'Reservation', and 'Shelf Life'.

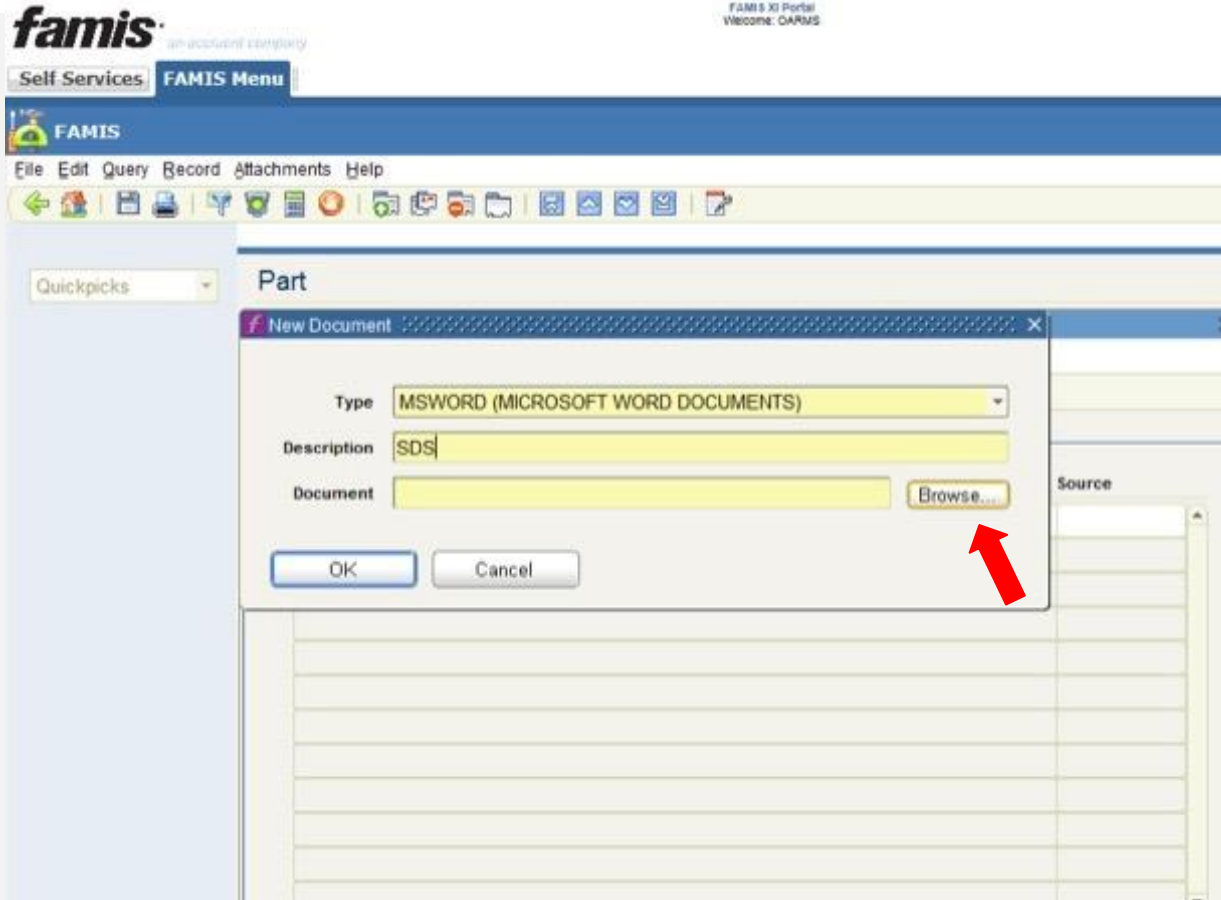
Click on 'Attachments'

Protocol: How to attach an SDS as a document in Famis



In attachments, select 'Documents' from the menu

Protocol: How to attach an SDS as a document in Famis



Select 'MSWORD' as the document type (even if it's a PDF)

For description, enter 'SDS'

Browse for the correct, previously saved SDS PDF

Protocol: How to attach an SDS as a document in Famis

The screenshot shows the Famis software interface. At the top left is the 'famis' logo with the tagline 'an account company'. To the right, it says 'FAMIS XI Portal' and 'Welcome: OARMS'. Below this are 'Self Services' and 'FAMIS Menu' buttons. The main window title is 'FAMIS' and the active window is 'Part Attachments - 110308'. The menu bar includes 'File', 'Edit', 'Query', 'Record', 'Attachments', and 'Help'. A toolbar with various icons is visible. Below the toolbar are tabs for 'Notes', 'Documents', 'Mail', and 'Options'. A 'Quickpicks' dropdown menu is on the left. A 'New Document' dialog box is open in the foreground. It has a 'Source' column on the right. The dialog box contains the following fields: 'Type' set to 'MSWORD (MICROSOFT WORD DOCUMENTS)', 'Description' set to 'SDS', and 'Document' set to 'C:\Users\oarms\Desktop\2017 SDS Chemical Inventory\CP1'. There is a 'Browse...' button next to the Document field. At the bottom of the dialog box are 'OK' and 'Cancel' buttons. A red arrow points to the 'OK' button. Below the dialog box, there are buttons for 'View', 'New...', 'Edit...', 'Dip Scan...', and 'DIP Attach...'.

Once tagged, select 'OK' to save the document to the part

Protocol: How to attach an SDS as a document in Famis

The screenshot shows the Famis Self Services interface. At the top left is the 'famis' logo with the tagline 'an account company'. To the right, it says 'FAMIS ID Portal Welcome: CARMS'. Below this are 'Self Services' and 'FAMIS Menu' tabs. A menu bar includes 'File', 'Edit', 'Query', 'Record', 'Attachments', and 'Help'. A toolbar with various icons is visible. Below the toolbar are tabs for 'Notes', 'Documents', 'Mail', and 'Options', with 'Documents' selected. The main area contains a table with two columns: 'Document (Filename, URL, etc.)' and 'Source'. The first row is highlighted in green and contains 'SDS' in the first column and 'PART' in the second. Below the table are buttons for 'View', 'New...', 'Edit...', 'Dip Scan...', and 'DIP Attach...'. A red arrow points to the 'View' button. On the right side of the interface is a vertical list of buttons: 'Details', 'Bins', 'Bills of Mat'l', 'Vendors', 'Substitution', 'Mfrs', 'History', 'Orders', 'Warehouses', 'Dates', 'Reservation', 'Shelf Life', 'Multi-Warehouse', 'UM Conversion', 'Accounts...', 'Alias...', 'Specifications...', and 'Image...'. To the right of these buttons is a section titled 'ATTACHMENTS' with sub-items: 'Notes (0)', 'Documents (0)', and 'E-Mail (0)'. At the bottom of the window, a status bar shows the URL 'https://aisweb3.uvm.edu:4443/attachdoc/CPVC Cement Low VOC [Hercules] MSDS-13790.pdf' and 'Record: 1/1'.

To view the SDS, go to 'Documents' on the far right

If attached correctly, selecting view will open a copy of the document in a new tab



THANK YOU TCO
&
PHYSICAL PLANT

