

Material Safety Data Sheet

Product Name: *HYSYN FR-46*
Date: January 26, 2005
Printed: 3/24/09
Replaces:
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Section 1 – Product and Company Identification

Company: Summit Industrial Products, Inc.
9010 County Road 2120
Tyler, Texas 75707
Phone: (903) 534-8021
Fax: (903) 581-4376
Emergency Telephone# 1-800-424-9300 (Chemtrec)

Product Name: *HYSYN FR-46*
Product Use: Fire Resistant Hydraulic Fluid

Section 2 – COMPOSITION /INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

This product does not contain any hazardous ingredients as defined under 29 CFR 1910.1200.

Section 3 - Hazards Identification

Emergency Overview Mild eye irritation May cause skin irritation and/or dermatitis May cause irritation of respiratory tract May be harmful if swallowed

Principle routes of exposure: Eyes, skin and inhalation

Signal word: CAUTION

Eye Contact: May cause slight irritation

Skin Contact: Substance may cause slight skin irritation

Inhalation: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Physico-chemical properties: No hazards resulting from material as supplied.

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Section 4 – First Aid Measures

General Advice: If symptoms persist, call a physician.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact: Rinse immediately with plenty of water for at least 15 minutes.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Notes to physician: Treat symptomatically.

Medical condition aggravated by exposure: Dermatitis

Section 5 – Fire-Fighting Measures

Flash Point (°C): 260 **Flash Point (°F): 500** **Flash Point Method: COC**

Flammable limits in air – lower (%): Not Determined **Flammable limits in air – upper (%): Not Determined**

Suitable extinguishing media: Use dry chemical, CO₂, water spray or “alcohol” foam.

Unusual hazards: None known

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific methods: Water mist may be used to cool closed containers

Section 6 – Accidental Release Measures

Personal precautions: Ensure adequate ventilation

Environmental precautions: Do not flush into surface water or sanitary sewer system

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Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silical gel, acid binder, universal binder, sawdust).

Section 7 – Handling and Storage

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.
Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Technical measures/storage conditions: Store at room temperature in the original container
Incompatible products: No special restrictions or storage with other products
Safe storage temperature: 40-100°F
Shelf life: 12 months and re-evaluate

Section 8 – Exposure controls/Personal Protection

Engineering measures: Ensure adequate ventilation

Personal Protection Equipment:

- General:** Eye wash and Safety Shower
- Respiratory Protection:** Not required; except in case of aerosol formation
- Hand Protection:** Neoprene gloves
- Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.
- Eye Protection:** Safety glasses with side-shields
- Hygiene measures:** Avoid contact with skin, eyes and clothing

Section 9 Physical and Chemical Properties

Physical State: Liquid
Color: Clear Amber
Odor: Mild
Boiling point/boiling range (°C): >260
Boiling point/range (°F): >500

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Vapor pressure: Not determined
Vapor density: Not determined
Solubility: Insoluble
Evaporation rate: Not determined
VOC Content Product: 0.030 lb/gal (EPA Method 24)
pH: Not applicable
Flash Point (°C): 260
Flash Point (°F): 500
Decomposition temperature: Not determined
Auto-ignition temperature: Not determined
Density @ 15.5 °C (g/cc): 0.911
Bulk density @60 °F (lb/gal): 7.60
Partition coefficient Not determined
(n-octanol/water, log Pow):
Exposure Properties:
- upper limit: No data available
- Lower limit: No data available

Section 10 - Stability and Reactivity

Conditions to avoid: None known
Materials to avoid: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides (nox), Oxides of phosphorus, Carbon oxides, Sulphur oxides
Stability: Stable under recommended storage conditions
Polymerization: Not applicable

Section 11 – Toxicological Information

Oral toxicity (rats): Practically non-toxic (LD50>10ml/kg). Based on testing of the product or a similar product.
Inhalation toxicity (rats): practically non-toxic (LC50>200ml/kg). Based on testing the product or a similar product.
Eye Irritation (rabbits): Essentially a non-irritant (Draize score = 0). Based on testing on the product or a similar product.
Human Patch Skin Study: Not an irritant or a sensitizer (Modified Shelanski). Based on testing of the product or a similar product.

Section 12 – Ecological Information

Persistence and degradability: Environmental Fate and Effects: Under the modified Sturm Test (40 CFR 796.3620), this product is readily biodegradable.
Mobility: No data available

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Bioaccumulation: No data available
Ecotoxicity effects: No data available
Aquatic toxicity: Aquatic Toxicity: Acute LC/EC50 (fish) – this product is non-toxic (LC50>2000 ppm) based on testing of this product or a similar product.

Section 13 Disposal Considerations

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers.

Methods for cleaning up: Take up mechanically and collect in suitable container for disposal.

Section 14 Transport Information

U.S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not regulated

TDG (CANADA):

Proper shipping name: Not regulated

IMDG/IMO:

Proper shipping name: Not regulated

IATA/ICAO:

Proper shipping name: Not regulated

Section 15 Regulatory Information

CLASSIFICATION AND LABELING

OSHA Hazard Communication Standard:

This product is considered non-hazardous

Canada- WHMIS Classification Information:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Product Classification: None Required
Product Classification Graphic(s):

Component Classification Data:

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U.S. REGULATIONS:

SARA (311,312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute):	No
Delayed Health (Chronic):	No
Flammability:	No
Pressure:	No
Reactivity:	No

RCRA Status Not Regulated

STATE REGULATIONS (RTK):

California Proposition 65 Status: No components are listed

INVENTORY STATUS:

United States TSCA – Sect. 8(b) Inventory: This product complies with TSCA

Canada DSL Inventory List: DSL Compliance has not been determined

EC EINECS/ELINCS/NLP LIST: Compliance has not been determined

Section 16 Other Information

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients
Reason for revision: This data sheet contains changes from the previous version in Section 9
Prepared by: Summit Industrial Products – Safety, Health & Environmental

HMIS Classification:

Health:
1
Flammability:
1
Reactivity:
0
Personal Protection:
B

NFPA Rating:

Health:
1
Flammability:
1
Reactivity:
0
Special:
NA

*Indicates possible chronic health effect

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer:

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusion control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Summit Industrial Products assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Summit Industrial Products.