Material Safety Data Sheet

Material Name: Daphne Hermetic Oil PR **ID: 3420025-049**

Daphne Hermetic Oil PR

Section 1 - Chemical Product and Company Identification

Part Number: Daphne Hermetic Oil PR
Chemical Name: Polyether (Polyalkylene Glycol Derivative)
Product Use: Refrigerant Oil

Supplier Information

Apollo America
701 Port Road
Jeffersonville, IN 47130

Phone: (812) 284-3300
Fax: (812) 284-6840
Emergency # 1-800-424-9300 (CHEMTREC)

Section 2 - Composition / Information on Ingredients

Component Information/Information on Non-Hazardous Components

Section 3 - Hazards Identification

Emergency Overview

Toxic fumes may be released in case of fire. Firefighters should wear full protective clothing and self contained breathing apparatus. If heated above its flashpoint in the presence of air, product can support combustion.

Label Information

Combustible liquid. If heated above its flashpoint in the presence of air, product can support combustion. Launder or discard soiled clothes. Avoid prolonged contact.

Potential Health Effects: Eyes

This product may cause irritation to the eyes.

Potential Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Potential Health Effects: Ingestion

Will have a laxative effect if swallowed. Low toxicity.

Potential Health Effects: Inhalation

If sprayed or misted may cause chemical pnemonitis. Exposure may cause irritation to eyes, nose, and throat.

Section 4 - First Aid Measures

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

First Aid: Ingestion

If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

Section 5 - Fire Fighting Measures

Flash Point: 250 C
Method Used: COC
Upper Flammable Limit (UFL): N/D
Lower Flammable Limit (LFL): N/D
Auto Ignition: N/D
Flammability Classification: N/D
Rate of Burning: N/D

General Fire Hazards

This product is combustible at high temperatures. Shut off the source of fuel, if possible. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.

Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire. Carbon monoxide, carbon dioxide and other hydrocarbon fragments.

Extinguishing Media

Dry chemical, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity.

NFPA Ratings: Health: 2 **Fire:** 1 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6 - Accidental Release Measures

Containment Procedures

Stop the flow of material, if this is without risk. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Absorb the spilled material with an inert absorbent (nonflammable) material. Do not allow the spilled product to enter public drainage system or open water courses.

Clean-Up Procedures

Ventilate the contaminated area. Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Follow all Local, State, Federal and Provencial regulations for disposal.

Evacuation Procedures

Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering.

Special Procedures

Have emergency equipment readily available.

Section 7 - Handling and Storage

Handling Procedures

When using this material, do not eat, drink or smoke. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling.

Storage Procedures

Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Do not store this material in open or unlabeled containers.

Section 8 - Exposure Controls / Personal Protection

Exposure Guidelines

A: General Product Information

Eye wash fountain and emergency showers are recommended.

B: Component Exposure Limits

This material has no components listed.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Wear impervious gloves for prolonged contact. Normal work clothing (long sleeved shirts and long pants) is recommended. Do not wear rings, watches, or similar apparel that could entrap the material and cause a skin reaction.

Personal Protective Equipment: Respiratory

If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

Personal Protective Equipment: General

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

Section 9 - Physical & Chemical Properties

Appearance:	Clear Oily Liquid	**Odor:**	Mild
Physical State:	Liquid	**pH:**	N/D
Vapor Pressure:	N/D	**Vapor Density:**	N/D
Boiling Point:	N/D	**Melting Point:**	N/A
Solubility (H2O):	Insoluble	**Specific Gravity:**	1.0000

Physical Properties: Additional Information

No additional information available.

Section 10 - Chemical Stability & Reactivity Information

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Keep away from heat, sparks, or open flame.

Incompatibility

This product may react with strong oxidizing agents.

Hazardous Decomposition

Hazardous combustion products may include carbon monoxide, carbon dioxide and hydrocarbon fragments.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

General Toxicity

A: General Product Information

No additional information available.

B: Component Analysis - LD50/LC50

This material has no components listed.

Carcinogenicity

A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity

This material has no components listed.

Section 12 - Ecological Information

Ecotoxicity

A: General Product Information

No information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

This material has no components listed.

Environmental Fate

No information available for the product. Do not allow this material to drain into sewers/water supplies.

Section 13 - Disposal Considerations

US EPA Waste Number & Descriptions

A: General Product Information

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

This material has no components listed.

Disposal Instructions

Recycling of this product is encouraged. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transportation Information

International Transportation Regulations

NOTE: The data in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under I.M.O., I.C.A.O. (I.A.T.A.) and 49 CFR to assure regulatory compliance.

Section 15 - Regulatory Information

US Federal Regulations

A: General Product Information

This product is listed on the U.S. EPA TSCA Inventory.

B: Component Analysis

This material has no components listed.

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

This material has no components listed.

Other Regulations

A: Component Analysis - WHMIS IDL

This material has no components listed.

Section 16 - Other Information

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry. HMIS = Hazardous Material Information System. NFPA = National Fire Protection Association. OSHA = Occupational Safety and Health Administration. NTP = National Toxicology Program. NIOSH = National Institute of Occupational Safety and Health. ACGIH = American Conference of Governmental Industrial Hygienists.

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