





Material Safety Data Sheet

NFPA	WHMIS	PPE	Transport Symbol
	Non-controlled		Not regulated

Revision Date: 20-Apr-2010

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Daphne Hermetic Oil G25X, 6x250ml Case
Product Code: 3426025-049
Recommended use: Refrigerant Oil

Contact Manufacturer
Idemitsu Lubricants America,
701 Port Rd.
Jeffersonville, IN. 47130
Telephone: 812-285-8234
Fax: 812-285-8243
Contact Name: Robin Hutchens
Email: rhutchens@ilacorp.com

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause irritation to skin, eyes, and respiratory tract

Appearance Light Yellow

Physical State: Liquid

Odor: Charateristic

Mexico - Grade Slight risk, Grade 1

Potential Health Effects

Principle Routes of Exposure Inhalation, Skin, Eye.

Acute Effects

Eyes

May cause slight irritation

Skin

Substance may cause slight skin irritation

Inhalation

May cause irritation of respiratory tract

Ingestion

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

Chronic Effects

This product is not expected to produce neurotoxic effects under normal conditions of use and with appropriate personal hygiene practices. This product contains tricresyl phosphate (TCP). Overexposure to TCP by swallowing, prolonged or repeated breathing of oil mist, or prolonged or repeated skin contact may produce nervous system disorders including gastrointestinal disturbances, numbness, muscular cramps, weakness and paralysis .

See Section 11 for additional Toxicological information.

Signs and Symptoms:

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

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Hazardous Components

Chemical Name	CAS-No	Weight %
Tricresyl Phosphate (TCP) (<1% ortho isomers)	Confidential	1 - 5
Lipophilic Organic Compound	Confidential	0.1 - 1

4. FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products. Oxygen or artificial respiration if needed. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties

NFPA: Class IIIB Combustible Liquid

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous combustion products

Carbon oxides, oxides of phosphorus.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition

Engineering measures	Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed above is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.
Personal Protective Equipment	
Eye/face Protection	Safety glasses with side-shields
Skin Protection	Wear protective gloves/clothing. Glove Type: Neoprene, Nitriles
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Yellow
Odor:	Charateristic
Physical State:	Liquid
Flash Point	200°C / 392°F
Method	COC ASTM D92
Density	1.08 g/cm ³ @15°C
Viscosity	@40C = 134.90 cSt; @100 = 26.55 cSt

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Heat, flames and sparks
Incompatible Materials	Strong oxidizing agents.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information (Estimated):

LD50 Oral:	98612.52 mg/kg
LD50 Dermal:	2068.06 mg/kg

Hazardous Components

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Tricresyl Phosphate (TCP) (<1% ortho isomers)	3 g/kg (Rat)		
Lipophilic Organic Compound	890 mg/kg (Rat)		

Chronic Toxicity**Carcinogenicity:**

The table below indicates whether each agency has listed any ingredient as a carcinogen

Hazardous Components

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Lipophilic Organic Compound		Group 3			A4 - Not classifiable as a human carcinogen

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazardous Components

Chemical Name	Freshwater Algae	LC50 Fresh Water Fish	Microtox	Water Flea
Tricresyl Phosphate (TCP) (<1% ortho isomers)		96 h		
Lipophilic Organic Compound	EC50 = 6 mg/L 72 h EC50 > 0.42 mg/L 72 h	48 h	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

Hazardous Components

Chemical Name	EC50/48h/daphnia =	log Pow
Lipophilic Organic Compound		4.17

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION**DOT**

Not regulated

Marine Pollutant

This product contains a chemical which is listed as a marine pollutant according to DOT.

The marine pollutant contained in this product is < 10%

IATA Not regulated

IMDG/IMO Not regulated

Marine Pollutant This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
The marine pollutant contained in this product is < 10%

15. REGULATORY INFORMATION

International Inventories

All components in the product are on the following Inventory Lists: U.S.A. (TSCA).

Hazardous Components

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS	NZIoC
Tricresyl Phosphate (TCP) (<1% ortho isomers)	X	X	-	X	-	X	X	X	X	X	X
Lipophilic Organic Compound	X	X	-	X	-	X	X	X	X	X	X

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard No
 Chronic Health Hazard No
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

CERCLA/SARA 302 & 304

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 355.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
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Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Lipophilic Organic Compound	X	X	X		X
Tricresyl Phosphate (TCP) (<1% ortho isomers)		X			

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION**Revision Date:** 20-Apr-2010**Revision Summary** Not available

Disclaimer:

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS