





SAFETY DATA SHEET

Product Name:	PPE
Daphne Hermetic Oil PR, 5 Gallon Pail	 

Revision Date: 23-Mar-2016

Revision Number: 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Daphne Hermetic Oil PR, 5 Gallon Pail

Other means of identification

Product Code: 3420025-031

Synonyms Not available

1.2 Recommended use of the chemical and restrictions on use

Recommended Use Refrigerant Oil

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

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

Manufactured by IDEMITSU KOSAN CO., LTD
3-1-1 MARUNOUCHI CHIYODA-KU
TOKYO JAPAN
PHONE: +81-3-3213-3143

24 Hour Emergency Phone Number: Within USA and Canada: 1 800-424-9300
Outside USA and Canada: + 1 703-741-5970 (collect calls
accepted)

2. HAZARDS IDENTIFICATION

2.1 Classification

This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS 2015

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Acute toxicity - Inhalation (Gases)	Not classified
Acute toxicity - Inhalation (Vapors)	Not classified
Acute toxicity - Inhalation (Dusts/Mists)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Category 2 Testes
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration toxicity	Not classified
Physical hazards	None

2.2. Label elements



Signal word

Warning

Hazard statements

H361 - Suspected of damaging fertility or the unborn child if swallowed

Precautionary Statements - Prevention:

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P280 - Wear protective gloves, protective clothing, eye protection, face protection

Precautionary Statements - Response:

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage:

P405 - Store locked up

Precautionary Statements - Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

2.3 Other information

Other hazards

- May be harmful in contact with skin
- Harmful to aquatic life
- Harmful to aquatic life with long lasting effects

Unknown acute toxicity

97.6% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable

3.2 Mixtures**Hazardous Components**

Chemical Name	CAS-No	Weight %	GHS Classification	Notes
Tricresylphosphate	1330-78-5	1-5	Reproductive 2 (H361) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	

4. FIRST AID MEASURES**4.1 First Aid Measures****General Advice**

If symptoms persist, call a physician. Take a copy of the Safety Data Sheet when going for medical treatment.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing 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 vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion

Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Call a physician or Poison Control Center immediately.

Protection of First-aiders

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

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Flammable Properties**

NFPA: Class IIIB Combustible Liquid

5.1 Suitable Extinguishing Media

Carbon dioxide (CO₂), Dry chemical, Dry sand, Alcohol-resistant foam

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

5.2 Specific Hazards Arising from the Chemical

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

Hazardous combustion products:

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating. Combustion products may include and are not limited to, Carbon oxides, Oxides of Phosphorus.

5.3 Protective Equipment and Precautions for Firefighters

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

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****Personal precautions**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental Precautions**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up**Methods for Clean-up**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Spill Management**LARGE SPILLS**

Eliminate sources of ignition. Prevent additional discharge of material if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 Regulatory Information) notify the National Response Center.

WATER SPILLS

Prevent liquid entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7. HANDLING AND STORAGE**7.1. Precautions for safe handling****Handling**

Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Safe Handling Advice

Wear personal protective equipment. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.
Technical measures/Precautions	Ensure adequate ventilation.
Further information on storage conditions	Keep container tightly closed
Incompatible Materials and/or Coatings	No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION8.1 Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas. 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 below 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 equipped with side shields are recommended as minimum protection in industrial settings.
Skin protection	Choose the appropriate protective clothing / gloves based on the tasks being performed to avoid exposed skin surfaces. Glove Type: Neoprene, Nitriles
Respiratory protection	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 PROPERTIES9.1. Information on basic physical and chemical properties

Appearance	Clear Light Yellow
Physical State	Liquid
Odor	Characteristics
Odor Threshold	No information available
pH	Not applicable
Melting point / melting range	Not applicable
Boiling point / boiling range	No information available

Flash Point	244 °C / 471 °F COC ASTM D92
Evaporation Rate	No information available
Flammability Limit in Air	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density (Air)	No information available
Density	1.0195 g/cm ³ @15°C
Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature	No information available
Decomposing Temperature	No information available
Viscosity	@ 40C = 100.10 cSt; @ 100C = 20.01 cSt

Other Information

DMSO extract by IP346	Not applicable
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10. STABILITY AND REACTIVITY10.1 Reactivity

Reactivity	The product is chemically stable
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10.2 Chemical stability

Chemical Stability	Stable under recommended storage conditions.
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10.3 Possibility of Hazardous Reactions

Possibility of Hazardous Reactions	None under normal processing.
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10.4 Conditions to Avoid

Hazardous Polymerization	Hazardous polymerisation does not occur.
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10.5 Incompatible Materials

Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents.

10.6 Hazardous Decomposition Products

Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors.
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11. TOXICOLOGICAL INFORMATION11.1 Information on likely routes of exposure

Inhalation	May cause respiratory irritation.
Eye contact	May cause slight irritation.
Skin Contact	May cause irritation.
Ingestion	May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Tricresylphosphate 1330-78-5	3000 mg/kg (Rat)	1701 mg/kg (Rabbit)	
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11.2 Information on toxicological effects

Symptoms No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Sensitization Not classified.

Mutagenic effects Not classified.

11.4 Carcinogenicity

Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, OSHA, or ACGIH.

Legend:

NTP: (National Toxicity Program), ACGIH (American Conference of Governmental Industrial Hygienists) IARC: (International Agency for Research on Cancer), OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive Effects Suspected of damaging fertility or the unborn child if swallowed.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified

Chronic Toxicity Avoid repeated exposure.

Aspiration hazard Not classified.

11.5 Acute Toxicity

Unknown acute toxicity 97.6% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

Product Information (Estimated):

ATEmix (oral) > 6,000 mg/kg

ATEmix (dermal) > 3,000 mg/kg

ATEmix (inhalation-vapor) > 5,000 mg/l

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecotoxicity effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Unknown aquatic toxicity 98.3% of the mixture consists of components(s) of unknown hazards to the aquatic environment

12.2 Persistence and degradability No information available.

12.3 Bioaccumulation/Accumulation No information available

12.4. Mobility in soil No information available

PBT and vPvB assessment No information available

12.5 Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

To minimize exposure, see Section 8 (Exposure Controls/Personal Protection) of the SDS.

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 - Non Not regulated

DOT - Bulk Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	All ingredients are on the inventory or exempt from listing
DSL	All ingredients are on the inventory or exempt from listing
NDSL	Not Listed
ELINCS	Not Listed
ENCS	All ingredients are on the inventory or exempt from listing
CHINA	All ingredients are on the inventory or exempt from listing
KECL	All ingredients are on the inventory or exempt from listing
PICCS	All ingredients are on the inventory or exempt from listing
AICS	All ingredients are on the inventory or exempt from listing

NZIoC	Does not comply
Mexico	Does not comply
REACH	All ingredients are on the inventory or exempt from listing

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	Yes
Chronic Health Hazard	Yes
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.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

State Right-to-Know

Chemical Name	CAS-No	New Jersey
Tricresylphosphate	1330-78-5	X

New Jersey Worker and Community Right-to-Know Act:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Lubricating Oil)

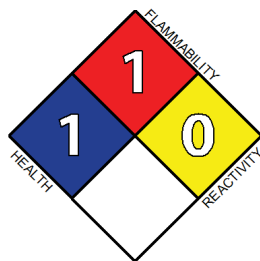
Canada

This material has been classified in accordance with the WHMIS 2015 regulation

Chemical Name	CAS-No	Weight %	NPRI
2,6-di-tert-butyl p-cresol	128-37-0	<1	Listed

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATIONNFPA

Health: 1

Flammability: 1

Instability: 0

Prepared By
Revision Date:Lakyn Neumeyer
23-Mar-2016**Revision Summary:**New GHS Classification
NFPA Code Change**Disclaimer:**

The information provided on this SDS 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 Safety Data Sheet