



**IDEMITSU**

# SAFETY DATA SHEET

Issue Date 05-Apr-2016

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Version 1

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product name** DAPHNE EPONEX SR NO.1

**Recommended Use** Lubricant

**Manufacturer**

Idemitsu Lubricants (Thailand) Co., Ltd.  
7/467 Moo.6 T.Mapyangporn  
A.Pluakdaeng, Rayong 21140  
Tel: +6638650731  
Fax: +6638650732

**Supplier**

Idemitsu Lubricants (Thailand) Co., Ltd.  
7/467 Moo.6 T.Mapyangporn A.Pluakdaeng, Rayong 21140  
Tel: +6638650731  
Fax: +6638650732

**Emergency Telephone**

Emergency Telephone  
24 Hour Emergency Phone Number  
001 800 120 666 751

**Registration number(s)**

No information available

## SECTION 2: Hazards identification

### GHS - Classification

#### Label elements

**Hazard statements**

Not classified

**Precautionary Statements - Prevention**

• Not Applicable

**Precautionary Statements - Response**

• Not Applicable

**Precautionary Statements - Storage**

• Not Applicable

**Precautionary Statements - Disposal**

• Not Applicable

## SECTION 3: Composition/information on ingredients

chemical name	CAS No	weight-%
PETROLEUM HYDROCARBON (MINERAL OIL)	-	80 - 90
LITHIUM SOAP(COMPLEX)	-	<10
LUBRICATING OIL ADDITIVE	-	<6
PHENOL, ISOPROPYLATED, PHOSPHATE (3:1)	68937-41-7	<1
CALCIUM SOAP	-	<1
CALCIUM PETROLEUM SULFONATE	61789-86-4	<1

#### SECTION 4: First aid measures

<b>Symptoms</b>	No information available.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
<b>INHALATION</b>	Move to fresh air in case of accidental inhalation of vapors or decomposition products. (Get medical attention immediately if symptoms occur.).
<b>INGESTION</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Note to physicians</b>	Treat symptomatically.

#### SECTION 5: Firefighting measures

##### FIRE-FIGHTING MEASURES

No information available

##### Flammable properties

May cause fire

##### Suitable Extinguishing Media

CO2, dry chemical, dry sand, alcohol-resistant foam

##### Unsuitable Extinguishing Media

No information available

##### Specific hazards arising from the chemical

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

##### Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit

#### SECTION 6: Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation, especially in confined areas.
<b>Environmental precautions</b>	Should not be released into the environment.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust.

#### SECTION 7: Handling and storage

<b>Advice on safe handling</b>	Use personal protective equipment as required. Avoid breathing vapors or mists.
<b>Storage Conditions</b>	Store at ambient conditions. Store in accordance with local regulations.

#### SECTION 8: Exposure controls/personal protection

**Exposure Guidelines**

chemical name	Thailand	ACGIH TLV	European Union
PETROLEUM HYDROCARBON (MINERAL OIL) -		5mg/m <sup>3</sup>	
<b>Component</b>		<b>ACGIH TLV</b>	
PETROLEUM HYDROCARBON (MINERAL OIL) - ( 80 - 90 )		5mg/m <sup>3</sup>	

**Engineering Controls** Ensure adequate ventilation, especially in confined areas

**Personal protective equipment (APD)**

**Eye/face protection** Wear safety glasses with side shields (or goggles)  
**Skin and body protection** Suitable protective clothing

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

**Color** green  
**Appearance** paste  
**Physical state** Solid  
**Odor** characteristic  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No data available	
<b>Melting point/freezing point</b>		
melting point		
Pour point	No information available	
freezing point	No information available	
<b>Initial boiling point</b>	290 °C Or more	
<b>flash point</b>	233 °C / 451 °F	Ceta Closed Cup
<b>Flammability Limits in Air</b>		
Upper flammability limits	No data available	
Lower flammability limit	No data available	
<b>Density @15°C</b>	0.88 g/cm <sup>3</sup>	
<b>Solubility(ies)</b>		
Water solubility	Insoluble in water	
<b>Kinematic viscosity 40°C</b>	No data available	
<b>Kinematic viscosity 100°C</b>	No information available mm <sup>2</sup> /s	
<b>Dropping point</b>	282 °C	
<b>Vapor Pressure</b>	No information available	
<b>Vapor density</b>	No information available	

**SECTION 10: Stability and reactivity**

**Stability** Stable under normal conditions

**Conditions to avoid** Strong oxidizing agents Heat, flames and sparks

**Hazardous Decomposition Products** None under normal use conditions

**Possibility of Hazardous Reactions** None under normal processing

**SECTION 11: Toxicological information**

**INHALATION**

chemical name	Acute toxicity (LD50) -Oral-	Acute toxicity (LD50) -Dermal-	Inhalation LC50
PETROLEUM HYDROCARBON (MINERAL OIL)	> 5000 mg/kg(Rat)	> 2000 mg/kg	> 5mg/l
PHENOL, ISOPROPYLATED, PHOSPHATE (3:1)	> 30000 mg/kg ( Rat )		> 200 mg/L ( Rat ) 1 h
CALCIUM PETROLEUM SULFONATE	> 5000 mg/kg ( Rat )	> 4000 mg/kg ( Rabbit )	

**chronic toxicity**

<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen
<b>Irritation</b>	No information available
<b>Corrosivity</b>	No information available
<b>Sensitization</b>	May cause sensitization by skin contact
<b>Germ cell mutagenicity</b>	No information available
<b>Reproductive toxicity</b>	Product is or contains a chemical which is a known or suspected reproductive hazard
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Target Organ Effects</b>	No information available
<b>Aspiration hazard</b>	Not classified

**SECTION 12: Ecological information**

**Ecotoxicity**

chemical name	Algae/aquatic plants	Fish	Crustacea
PETROLEUM HYDROCARBON (MINERAL OIL)	LOEL(algae)>=100mg/l(WAF)	10000mg/L LC50 :96h <i>Lepomis macrochirus</i>	EL50 >100mg/l(WAF)
PHENOL, ISOPROPYLATED, PHOSPHATE (3:1)		1.15: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 1000: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 10.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static	14: 48 h <i>Daphnia magna</i> mg/L EC50
CALCIUM PETROLEUM SULFONATE		5.7 - 9.7: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1.0 - 10.0: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static	6.2 - 12: 48 h <i>Daphnia magna</i> mg/L EC50

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	No information available.

chemical name	Partition coefficient
PETROLEUM HYDROCARBON (MINERAL OIL)	>6

Other adverse effects No information available

### SECTION 13: Disposal considerations

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations

### SECTION 14: Transport information

**IMDG**

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not Applicable
14.6 Special Provisions	none

**RID**

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	none

**ADR**

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	none

**IATA**

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	none

**ADN**

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	none

**IBC**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated
Proper shipping name	Not regulated
CATEGORY	Not regulated

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<b>SECTION 15: Regulatory information</b>
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**National Regulations**

National occupational exposure limits See chapter 8

**Enhancement and Conservation of National Environmental Quality Act**

**Ground Water Quality Standards for Drinking Purposes - Not Applicable**

**Maximum Allowable Concentration**

**Ground Water Quality Standards for Drinking Purposes - Not Applicable**

**Suitable Allowance**

**International Inventories**

ENCS	Complies
TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
AICS	Complies
KECL	Complies
PICCS	Complies
China (IECSC)	Complies
Taiwan	Complies

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<b>SECTION 16: Other information</b>
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**Disclaimer**

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**End of Safety Data Sheet**