



IDEMITSU

SAFETY DATA SHEET

Issue Date 01-Aug-2014

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Version 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code 32921004
Product name DAPHNE ALPHA CLEANER L

Pure substance/mixture mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lubricant

Uses advised against Not Applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer

Idemitsu Lube (Singapore) Pte. Ltd.
37, Pandan Road
Singapore, 609280
Telephone: +65-6268-5888
Fax: +65-6265-5610

Supplier

Idemitsu Lube (Malaysia) Sdn. Bhd.
20-21, Lorong Teknologi B
Nouvelle Industrial Park
Tamas Sains Selangor 1
47800, Petaling Jaya Selangor Malaysia
Telephone: +60-3-6157-9529
Fax: +60-3-6157-9636

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone
24 Hour Emergency Phone Number
+60 3 6207 4347

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aspiration toxicity	Category 1
skin corrosion/irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1
Flammable liquids	Category 2

2.2. Label elements

Product identifier

Contains ISOOCTANE, ISOHEPTANE

**SIGNAL WORD**

Danger

Hazard statements

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

H315 - Causes skin irritation

H410 - Very toxic to aquatic life with long lasting effects

H225 - Highly flammable liquid and vapor

Contains**Precautionary Statements**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P321 - Specific treatment (see supplemental first aid instructions on this label)

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P273 - Avoid release to the environment

P391 - Collect spillage

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P405 - Store locked up

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

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P403 + P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to industrial incineration plant

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

chemical name	CAS No	weight-%
ISOOCTANE	26635-64-3	80 - 90

SYNTHETIC HYDROCARBON

-

10 - 20

SECTION 4: First aid measures**4.1. Description of first aid measures**

General advice	Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.
INHALATION	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
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 symptoms persist, call a physician.
INGESTION	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Remove all sources of ignition. Use personal protective equipment as required.

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

Note to physicians Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Extremely flammable

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions

Remove all sources of ignition
Evacuate personnel to safe areas
Ensure adequate ventilation, especially in confined areas
Use personal protective equipment as required
Keep people away from and upwind of spill/leak

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers
Dam up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
Soak up with inert absorbent material

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand Protection

Wear protective nitrile rubber gloves.

Skin and body protection

Antistatic footwear. Wear fire/flammable resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid	Odor	characteristic
Appearance	clear	Odor Threshold	No information available
Color	colorless		

Property

Values

Remarks • Method

pH

No information available

melting point

No information available

flash point

-12 °C / -4 °F

Pensky-Martens Closed Cup (PMCC)

Water solubility

Insoluble in water

Kinematic viscosity 40°C

0.6 mm²/s

Kinematic viscosity 100°C

9.2. Other information

Pour point

-70.0> °C

Dropping point

Density @15°C

0.7100 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge No information available.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents
Strong bases

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

INHALATION	No data available.
Eye contact	No data available.
Skin Contact	Avoid contact with skin.
INGESTION	No data available.

Unknown Acute toxicity 10% of the mixture consists of ingredient(s) of unknown toxicity.

skin corrosion/irritation	Irritating to skin
Serious eye damage/eye irritation	No end point data for material.
Sensitization	No end point data for material.
Germ cell mutagenicity	No end point data for material.
Carcinogenicity	No end point data for material.
Reproductive toxicity	No end point data for material.
STOT - single exposure	res. central nervous system. Eyes. Bladder. Skin.
STOT - repeated exposure	No end point data for material.
Target Organ Effects	central nervous system, Eyes, Bladder, Skin.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).

SECTION 12: Ecological information**12.1. Toxicity**

10% of the mixture consists of components(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Improper disposal or reuse of this container may be dangerous and illegal.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG

14.1 UN/ID no	UN3295
14.2 Proper shipping name	Hydrocarbons, liquid, n.o.s.
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN3295, Hydrocarbons, liquid, n.o.s., 3, II, (-20°C c.c.), Marine pollutant
14.5 Marine pollutant environmental hazard	Not Applicable
14.6 Special Provisions	Yes
EmS-No	none
	F-E, S-D

RID

14.1 UN/ID no	UN3295
14.2 Proper shipping name	Hydrocarbons, liquid, n.o.s.
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN3295, Hydrocarbons, liquid, n.o.s., 3, II
14.5 environmental hazard	Yes
Classification code	F1
14.6 Special Provisions	none

ADR

14.1 UN/ID no	UN3295
14.2 Proper shipping name	Hydrocarbons, liquid, n.o.s.
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN3295, Hydrocarbons, liquid, n.o.s., 3, II, (D/E)
14.5 environmental hazard	Yes
14.6 Special Provisions	640C
Classification code	F1
Tunnel restriction code	(D/E)

IATA

14.1 UN/ID no	UN3295
14.2 Proper shipping name	Hydrocarbons, liquid, n.o.s.
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN3295, Hydrocarbons, liquid, n.o.s., 3, II

14.5 environmental hazard	Yes
14.6 Special Provisions	A224, A3
ERG Code	3H

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	Yes
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

SECTION 15: Regulatory information**National Regulations**

Occupational Safety and Health Act	Not Applicable
Factories and Machinery Act	Not Applicable
Environment Quality Act	Not Applicable
Pesticides Act	Not Applicable
Environmentally Hazardous Substances(EHS) Notification and Registration	Not Applicable
Poisons Act	Not Applicable

International Inventories

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

SECTION 16: Other information

Issue Date	01-Aug-2014
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Revision Note	Not Applicable.

Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet