



**IDEMITSU**

# SAFETY DATA SHEET

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Version 2

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

### 1.1. Product identifier

**Product Code** 32921012  
*Product name* DAPHNE ALPHA CLEANER M

**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 Kosan Co., Ltd.  
1-1 3-Chome  
Marunouchi  
Chiyoda-ku Tokyo, 100-8321, Japan  
Telephone: +81-3-3213-3143  
Fax: +81-3-3211-5343

#### **Supplier**

Idemitsu Lube (Malaysia) Sdn. Bhd.  
20-21, Lorong Teknologi B  
Nouvelle Industrial Park  
Taman 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

<b>Aspiration toxicity</b>	Category 1
<b>skin corrosion/irritation</b>	Category 2
<b>Flammable liquids</b>	Category 3

### 2.2. Label elements

#### **Product identifier**

Contains ALKANES, C10-13-ISO-



**SIGNAL WORD**

Danger

**Hazard statements**

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H226 - 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

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-%
ALKANES, C10-13-ISO-	68551-17-7	95=<
NONANE	111-84-2	<2.1

**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. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

<b>Skin Contact</b>	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.
<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. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>INGESTION</b>	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.
<b>Self-protection of the first aider</b>	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**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Use. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). 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**

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

#### **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  
Pay attention to flashback  
Take precautionary measures against static discharges

##### **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

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	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. Take precautionary measures against static discharges.

### 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. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

#### **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 containers tightly closed in a cool, well-ventilated place. Keep away from heat.

### 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/flame resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

**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

<b>Physical state</b>	liquid	<b>Odor</b>	characteristic
<b>Appearance</b>	clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>melting point</b>		No information available
<b>flash point</b>	49 °C / 120 °F	Pensky-Martens Closed Cup (PMCC)
<b>Water solubility</b>	Insoluble in water	
<b>Kinematic viscosity 40°C</b>	1.250 mm <sup>2</sup> /s	
<b>Kinematic viscosity 100°C</b>		

### 9.2. Other information

<b>Pour point</b>	-70> °C
<b>Dropping point</b>	
<b>Density @15°C</b>	0.7610 g/cm <sup>3</sup>

## 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.

<b>INHALATION</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	Avoid contact with skin.
<b>INGESTION</b>	No data available.

**Unknown Acute toxicity** 2.1% of the mixture consists of ingredient(s) of unknown toxicity.

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

chemical name	Acute toxicity (LD50) -Oral-	Acute toxicity (LD50) -Dermall-	Inhalation LC50
NONANE			= 3200 ppm ( Rat ) 4 h

<b>skin corrosion/irritation</b>	Irritating to skin
<b>Serious eye damage/eye irritation</b>	No end point data for material.
<b>Sensitization</b>	No end point data for material.
<b>Germ cell mutagenicity</b>	No end point data for material.
<b>Carcinogenicity</b>	No end point data for material.
<b>Reproductive toxicity</b>	No end point data for material.
<b>STOT - single exposure</b>	No end point data for material.
<b>STOT - repeated exposure</b>	No end point data for material.
<b>Aspiration hazard</b>	Risk of serious damage to the lungs (by aspiration).

## SECTION 12: Ecological information

**12.1. Toxicity**

2.1% 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**

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

## SECTION 14: Transport information

### IMDG

<b>14.1 UN/ID no</b>	UN3295
<b>14.2 Proper shipping name</b>	Hydrocarbons, liquid, n.o.s.
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III, (40°C c.c.)
<b>14.5 Marine pollutant</b>	Not Applicable
<b>14.6 Special Provisions</b>	223
<b>EmS-No</b>	F-E, S-D

### RID

<b>14.1 UN/ID no</b>	UN3295
<b>14.2 Proper shipping name</b>	Hydrocarbons, liquid, n.o.s.
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III
<b>14.5 environmental hazard</b>	Not Applicable
<b>Classification code</b>	F1
<b>14.6 Special Provisions</b>	none

### ADR

<b>14.1 UN/ID no</b>	UN3295
<b>14.2 Proper shipping name</b>	Hydrocarbons, liquid, n.o.s.
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III, (D/E)
<b>14.5 environmental hazard</b>	Not Applicable
<b>14.6 Special Provisions</b>	none
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)

### IATA

<b>14.1 UN/ID no</b>	UN3295
<b>14.2 Proper shipping name</b>	Hydrocarbons, liquid, n.o.s.
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III
<b>14.5 environmental hazard</b>	Not Applicable
<b>14.6 Special Provisions</b>	A224, A3
<b>ERG Code</b>	3L

### ADN

<b>14.1 UN/ID no</b>	UN3295
<b>14.2 Proper shipping name</b>	Hydrocarbons, liquid, n.o.s.
<b>14.3 Hazard Class</b>	3
<b>Classification code</b>	F1
<b>Hazard label(s)</b>	3
<b>14.4 Packing Group</b>	III
<b>14.5 environmental hazard</b>	Not Applicable

<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III
<b>14.6 Special Provisions</b>	none
<b>Limited quantity (LQ)</b>	5L
<b>ventilation</b>	VE01

**IBC**

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

**SECTION 15: Regulatory information****National Regulations**

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

**International Inventories**

<b>ENCS</b>	Complies
<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>China (IECSC)</b>	Complies
<b>NZIoC</b>	Complies
<b>Taiwan</b>	Complies

**SECTION 16: Other information**

<b>Issue Date</b>	03-Jul-2014
<b>Revision date</b>	25-Nov-2015
<b>Revision Note</b>	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