



**IDEMITSU**

# SAFETY DATA SHEET

Issue Date 10-Apr-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** SU-409  
*Product name* DAPHNE CLEANER A

**Pure substance/mixture** mixture  
**Contains** { TCODE="ECT" } { COMP="8052-41-3,IDE1908607" } , { COMP="64742-95-6,IDE1907086" }

### 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

<b>Aspiration toxicity</b>	Category 1
<b>skin corrosion/irritation</b>	Category 2
<b>Serious eye damage/eye irritation</b>	Category 2
<b>Germ cell mutagenicity</b>	Category 1A
<b>Carcinogenicity</b>	Category 1B
<b>Specific target organ toxicity (single exposure)</b>	Category 3
<b>Specific target organ toxicity (repeated exposure)</b>	Category 1
<b>Chronic aquatic toxicity</b>	Category 2
<b>Flammable liquids</b>	Category 3

### 2.2. Label elements

**Product identifier**

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Contains STODDARD SOLVENT, SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC

**SIGNAL WORD**

Danger

**Hazard statements**

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H340 - May cause genetic defects  
H350 - May cause cancer  
H411 - Toxic to aquatic life with long lasting effects  
May cause respiratory irritation. May cause drowsiness or dizziness  
H226 - Flammable liquid and vapor

**Contains****Precautionary Statements**

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  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P281 - Use personal protective equipment as required  
P308 + P313 - IF exposed or concerned: Get medical advice/attention  
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  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P314 - Get medical advice/attention if you feel unwell  
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**

Toxic to aquatic life Toxic to aquatic life with long lasting effects

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not Applicable

**3.2 Mixtures**

chemical name	CAS No	weight-%
STODDARD SOLVENT	8052-41-3	65- 75
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC	64742-95-6	25 - 35

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

<b>General advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>INHALATION</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<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>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**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** Keep victim warm and quiet.**SECTION 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media****Suitable Extinguishing Media**Dry chemical, CO<sub>2</sub>, water spray or regular foam. Water spray, fog or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.**Unsuitable Extinguishing Media**

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient

**5.2. Special hazards arising from the substance or mixture**

Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard Substance may be transported hot

### 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**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

All equipment used when handling the product must be grounded

Do not touch or walk through spilled material

Stop leak if you can do it without risk

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for containment**

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike far ahead of liquid spill for later disposal.

#### **Methods for cleaning up**

Use clean non-sparking tools to collect absorbed 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. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. 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/flammable resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. 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>		
<b>flash point</b>	51 °C / 124 °F	Pensky-Martens Closed Cup (PMCC)
<b>Water solubility</b>	Insoluble in water	
<b>Kinematic viscosity 40°C</b>	0.914 mm <sup>2</sup> /s	
<b>Kinematic viscosity 100°C</b>		

**9.2. Other information**

<b>Pour point</b>	-50.0 °C
<b>Dropping point</b>	
<b>Density @15°C</b>	0.8107 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.

**INHALATION** Avoid breathing vapors or mists.  
**Eye contact** Irritating to eyes.  
**Skin Contact** Irritating to skin.  
**INGESTION** No data available.

**Unknown Acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

**ATEmix (oral)** 28,000.00  
**ATEmix (dermal)** 8,333.00  
**ATEmix (inhalation-vapor)** 37.00

chemical name	Acute toxicity (LD50) -Oral-	Acute toxicity (LD50) -Dermall-	Inhalation LC50
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h > 5.2 mg/L ( Rat ) 4 h

**skin corrosion/irritation** Irritating to skin

**Serious eye damage/eye irritation** Irritating to eyes.

**Sensitization** No end point data for material.

**Germ cell mutagenicity** No end point data for material.

**Carcinogenicity** The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAHs and therefore none are listed as a carcinogen by NTP, IARC, or OSHA.

<b>Reproductive toxicity</b>	No end point data for material.
<b>STOT - single exposure</b>	CAUSES RESPIRATORY TRACT IRRITATION.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure. central nervous system. liver. kidney.
<b>Target Organ Effects</b>	central nervous system, Eyes, autonomic nervous system, Bladder, Skin.
<b>Aspiration hazard</b>	Risk of serious damage to the lungs (by aspiration).

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life

70% of the mixture consists of component(s) of unknown hazards to the aquatic environment

chemical name	Algae/aquatic plants	Fish	Crustacea
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC		9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50

### 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>	UN1268
<b>14.2 Proper shipping name</b>	Petroleum distillates, n.o.s
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN1268 Petroleum distillates, n.o.s , 3, III, (51°C c.c.)
<b>14.5 Marine pollutant</b>	Not Applicable
<b>14.6 Special Provisions</b>	223, 363, 955
<b>EmS-No</b>	F-E, S-E

**RID**

14.1 UN/ID no	UN1268
14.2 Proper shipping name	Petroleum distillates, n.o.s
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1268 Petroleum distillates, n.o.s , 3, III
14.5 environmental hazard	Not Applicable
Classification code	F1
14.6 Special Provisions	none

**ADR**

14.1 UN/ID no	UN1268
14.2 Proper shipping name	Petroleum distillates, n.o.s
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1268 Petroleum distillates, n.o.s , 3, III, (D/E)
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	363
Classification code	F1
Tunnel restriction code	(D/E)

**IATA**

14.1 UN/ID no	UN1268
14.2 Proper shipping name	Petroleum distillates, n.o.s
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1268 Petroleum distillates, n.o.s , 3, III
14.5 environmental hazard	Not Applicable
14.6 Special Provisions	A3
ERG Code	3L

**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

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

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

**International Inventories**



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

<b>SECTION 16: Other information</b>
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Issue Date	10-Apr-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