



**IDEMITSU**

# SAFETY DATA SHEET

Issue Date 06-Jan-2014

Revision date 28-Jan-2015

Version 2

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

### 1.1. Product identifier

**Product Code** SU-658  
*Product name* IDEMITSU CVTF

**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

#### 2.2. Label elements

**Product identifier**  
**SIGNAL WORD**  
Not classified

**Hazard statements**  
Not classified

**Contains**

### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not Applicable

#### 3.2 Mixtures

chemical name	CAS No	weight-%
PETROLEUM HYDROCARBON (MINERAL OIL)	-	80 - 90
LUBRICATING OIL ADDITIVE	-	10 - 20

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<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>Skin Contact</b>	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.
<b>INGESTION</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### 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** No information available.

### 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 straight streams

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

The product causes burns of eyes, skin and mucous membranes Thermal decomposition can lead to release of irritating and toxic gases and vapors In the event of fire and/or explosion do not breathe fumes

#### 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**

Ensure adequate ventilation, especially in confined areas

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Should not be released into the environment.

**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**

Use personal protective equipment as required  
 Dam up  
 Cover liquid spill with sand, earth or other non-combustible absorbent material  
 Take up mechanically, placing in appropriate containers for disposal  
 Clean contaminated surface thoroughly

**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**

Use personal protective equipment as required. Avoid breathing vapors or mists.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

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

Store at ambient conditions. Store in accordance with local regulations.

**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.

<b>Skin and body protection</b>	Suitable protective clothing.
<b>Respiratory protection</b>	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** No information available.

## 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>	opaque	<b>Odor Threshold</b>	No information available
<b>Color</b>	green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>melting point</b>		
<b>flash point</b>	206 °C / 338 °F	Cleveland Open Cup
<b>Water solubility</b>	Insoluble in water	
<b>Kinematic viscosity 40°C</b>	30.93 mm <sup>2</sup> /s	
<b>Kinematic viscosity 100°C</b>	7.006 mm <sup>2</sup> /s	

### 9.2. Other information

<b>Pour point</b>	-45.0 °C
<b>Dropping point</b>	
<b>Density @15°C</b>	0.8525 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

Strong oxidizing agents. 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>	No data available.
<b>INGESTION</b>	No data available.

**Unknown Acute toxicity** 13.8% of the mixture consists of ingredient(s) of unknown toxicity.

**skin corrosion/irritation** No end point data for material.

**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** 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.

**Reproductive toxicity** No end point data for material.

**STOT - single exposure** No end point data for material.

**STOT - repeated exposure** No end point data for material.

**Aspiration hazard** Not classified.

<b>SECTION 12: Ecological information</b>
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**12.1. Toxicity**

13.8% 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.

<b>SECTION 13: Disposal considerations</b>
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**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.

**SECTION 14: Transport information****IMDG**

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

**RID**

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

**ADR**

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

**IATA**

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

**ADN**

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

**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**

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<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>	Applicable
<b>Poisons Act</b>	Not Applicable
<b>Food Act</b>	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>	Not Listed

<b>SECTION 16: Other information</b>
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<b>Issue Date</b>	06-Jan-2014
<b>Revision date</b>	28-Jan-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