



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**

INHALATION	Move to fresh air in case of accidental inhalation of vapors or decomposition products. (Get medical attention immediately if symptoms occur.).
Skin Contact	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.
INGESTION	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.

Skin and body protection	Suitable protective clothing.
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 No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid	Odor	characteristic
Appearance	opaque	Odor Threshold	No information available
Color	green		

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

9.2. Other information

Pour point	-45.0 °C
Dropping point	
Density @15°C	0.8525 g/cm ³

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.

INHALATION	No data available.
Eye contact	No data available.
Skin Contact	No data available.
INGESTION	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.

SECTION 12: Ecological information

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.

SECTION 13: Disposal considerations
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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.

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

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	Applicable

International Inventories

ENCS	Complies
TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
AICS	Complies
KECL	Complies
PICCS	Complies
China (IECSC)	Complies
NZIoC	Not Listed

SECTION 16: Other information

Issue Date	06-Jan-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