



Safety Data Sheet

Issue Date 22-Feb-2013

Revision date 17-Jul-2013

Version 1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product Code SU-601
Product name IDEMITSU EXTREME ECO 5W-30 SN/GF-5 FULLY SYNTHETIC
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

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008

| | |
|---------------|--|
| Europe | United Kingdom: NHS Direct (UK): +44 0845 46 47 Ireland: National Poisons Information Centre (IE): +353 1 8379964 |
|---------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as dangerous according to 1999/45/EC

Classification

Full text of R-phrases: see section 16

2.2. Label elements

Classification

Not dangerous

R-Phrases

No information available

S phrases

No information available

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances

No information available

3.2 Mixtures

| chemical name | EC No | CAS No | weight-% | Classification according to 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|---------------|--------|--------|----------|--|---|---------------------------|
| Mineral oil | Listed | - | 90-100 | - | | No data available |

Full text of R-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|---|
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. |
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| INGESTION | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |
| INHALATION | Move to fresh air in case of accidental inhalation of vapors or decomposition products. (Get medical attention immediately if symptoms occur.). |

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

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
CO2, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable extinguishing media
No information available

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

Special protective equipment for fire-fighters

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

Ensure adequate ventilation, especially in confined areas.

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

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

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 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 | No information available | Odor Threshold | No information available |
| color | brown | | |
| Property | Values | Remarks • Method | |
| pH | | No information available | |
| melting point | | | |
| flash point | 232 °C / 450 °F | Cleveland Open Cup | |
| Water solubility | Insoluble in water | | |
| Kinematic viscosity @40°C | 59.7 mm ² /s | | |
| Kinematic viscosity @100°C | 10.3 mm ² /s | | |

9.2. Other information

| | |
|-----------------------|------------------------|
| Pour point | |
| Dropping point | |
| density @15°C | 0.85 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

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.

| chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-------------|-----------------|
| Mineral oil | | >2000mg/kg | >52 mg/L/4h |

chronic toxicity

carcinogenicity No information available.

sensitization No information available

Target Organ Effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

| chemical name | Algae/aquatic plants | Fish | Crustacea |
|---------------|----------------------|---|---------------------------------------|
| Mineral oil | | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | 1000: 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.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects Other adverse effects

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.

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 |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not regulated |

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 |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (WGK) No information available

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

No information available

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Revision Note Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet