# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>MICROLUBE GL 261</th>
</tr>
</thead>
</table>

**Other means of identification**

<table>
<thead>
<tr>
<th>Product code:</th>
<th>020195</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>None</td>
</tr>
</tbody>
</table>

**Recommended use of the chemical and restrictions on use**

<table>
<thead>
<tr>
<th>Recommended Use</th>
<th>Lubricant.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>Consumer use</td>
</tr>
</tbody>
</table>

**Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Supplier Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klüber Lubrication NA, LP</td>
</tr>
<tr>
<td>32 Industrial Drive</td>
</tr>
<tr>
<td>Londonderry, NH 03053</td>
</tr>
<tr>
<td>Phone: (603) 647-4104</td>
</tr>
<tr>
<td>Fax: (603) 647-4106</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887</td>
</tr>
</tbody>
</table>

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label elements**

### EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
</tbody>
</table>

**Hazards not otherwise classified (HNOC)**

**Other information**

**Unknown Acute Toxicity**

7.2681% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.
### 4. FIRST AID MEASURES

**First aid measures**

**Eye contact:**
Flush eye with water for 15 minutes. If symptoms persist, call a physician.

**Skin contact:**
Rinse with plenty of water. If skin irritation persists, call a physician.

**Inhalation:**
Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

**Ingestion:**
Do not induce vomiting. Consult a physician.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**
No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**
Carbon dioxide (CO2), Dry chemical. Dry sand. Water spray mist or foam.

**Unsuitable extinguishing media**
Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**
Thermal decomposition can lead to release of irritating gases and vapors. Water may be used to cool closed containers.

**Hazardous combustion products**
Carbon oxides. Nitrogen oxides (NOx).

**Explosion data**
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

**Special protective equipment for firefighters:**
In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions:**
Contaminated surfaces will be extremely slippery. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

**Environmental precautions**

**Environmental precautions:**
Do not allow material to contaminate ground water system. Prevent product from entering drains.

**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:**
Scrape-up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE
Precautions for safe handling

Handling
Avoid contact with eyes and skin. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH TLV</th>
<th>OSHA (TWA mg/m³):</th>
<th>IDLH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>5 mg/m³</td>
<td>5 mg/m³ (oil mist)</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Hand protection: Impervious gloves
Eye protection: Safety glasses with side-shields
Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect
General Hygiene Considerations: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
<th>pH</th>
<th>Boiling point / boiling range</th>
<th>Evaporation rate</th>
<th>Flammability limit in Air</th>
<th>Water solubility</th>
<th>Partition coefficient</th>
<th>Decomposition temperature</th>
<th>Dynamic viscosity</th>
<th>Explosive properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td>Odor Mild</td>
<td>Color Yellow</td>
<td>Odor threshold</td>
<td>Not applicable</td>
<td>No information available</td>
<td>Insoluble in water</td>
<td>Available</td>
<td>No information available</td>
<td>Available</td>
<td>No information available</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Not applicable

Chemical stability

Stability
Stable under normal conditions

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid
Heat, flames and sparks

Hazardous Decomposition Products

Hazardous Decomposition Products
None under normal processing

Incompatible materials

Incompatible materials
Strong oxidising agents

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information
Product does not present an acute toxicity hazard based on known or supplied information

Eye contact
Contact with eyes may cause irritation.

Skin contact
Prolonged contact may cause redness and irritation.

Inhalation
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
No sensitization responses were observed.

Mutagenic effects:
Did not show mutagenic or teratogenic effects in animal experiments.

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity
This product does not contain any known or suspected reproductive hazards.

STOT - Single Exposure
None under normal use conditions.

STOT - Repeated Exposure
None under normal use conditions.

Aspiration hazard
Not applicable.
Microlube GL 261

11. NUMERICAL MEASURES OF TOXICITY - PRODUCT INFORMATION

Unknown Acute Toxicity
7.2681% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document.

<table>
<thead>
<tr>
<th></th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEmix (oral)</td>
<td>5481 mg/kg</td>
</tr>
<tr>
<td>ATEmix (dermal)</td>
<td>2819 mg/kg</td>
</tr>
<tr>
<td>ATEmix (inhalation-vapor)</td>
<td>62588 mg/l</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicity
No known hazards to the aquatic environment.
7.2681% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility
The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT
Not Regulated by any means of transportation

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed in TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td>All of the components in this product are listed in DSL</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>This product complies with EINECS/ELINCS</td>
</tr>
<tr>
<td>CHINA</td>
<td>This product complies with China IECSC.</td>
</tr>
<tr>
<td>KECL</td>
<td>This product does not comply with Korea KECL.</td>
</tr>
<tr>
<td>PICCS</td>
<td>This product complies with Philippines PICCS.</td>
</tr>
<tr>
<td>AICS</td>
<td>All the constituents of this material are listed on the Australian AICS</td>
</tr>
</tbody>
</table>

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td></td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK)

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Components</th>
<th>NJRTK:</th>
<th>MARTK:</th>
<th>PARTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>Substance no. 1437 Listed.</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td></td>
<td>Substance no. 4004 Listed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Nfpa:
Health: 1
Flammability: 1
Instability 0
NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *
HMIS health rating:
Health: 1
Flammability: 1
Physical hazards 0
Personal protection B

Issue Date 09-Feb-2015
Revision Date 09-Feb-2015
Revision Note Not applicable
Disclaimer
The information provided in this 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