# MATERIAL SAFETY DATA SHEET

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

<table>
<thead>
<tr>
<th>LUBRIPLATE Lubricants Co.</th>
<th>Emergency Telephone Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>129 Lockwood St.</td>
<td>1-800-255-3924-CHEM-TEL (24 hour)</td>
</tr>
<tr>
<td>Newark, NJ 07105</td>
<td>Telephone Number for information:</td>
</tr>
<tr>
<td></td>
<td>1-973-589-9150</td>
</tr>
</tbody>
</table>

**SUBSTANCE:** LUBRIPLATE® APG 80W-140

**TRADE NAMES/SYNONYMS:**

**PRODUCT USE:** Petroleum lubricating oil

**CREATION DATE:** 02/14/2008

**REVISION DATE:** 02/16/2011

## SECTION 2  COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Heavy and light paraffinic hydrotreated distillates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>64742-54-7 / 64742-55-8</td>
</tr>
<tr>
<td><strong>EC NUMBER (EINECS):</strong></td>
<td>265-157-1 / 265-158-7</td>
</tr>
<tr>
<td><strong>PERCENTAGE:</strong></td>
<td>60-65</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Polybutene</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>9003-29-6</td>
</tr>
<tr>
<td><strong>EC NUMBER (EINECS):</strong></td>
<td>500-004-7</td>
</tr>
<tr>
<td><strong>PERCENTAGE:</strong></td>
<td>30-35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Light hydrotreated naphthenic distillates (petroleum)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>64742-53-6</td>
</tr>
<tr>
<td><strong>EC NUMBER (EINECS):</strong></td>
<td>265-156-6</td>
</tr>
<tr>
<td><strong>PERCENTAGE:</strong></td>
<td>5-10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Olefin sulfide mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>EC NUMBER (EINECS):</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>PERCENTAGE:</strong></td>
<td>5-10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Methacrylate copolymer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>EC NUMBER (EINECS):</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>PERCENTAGE:</strong></td>
<td>0-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Kerosene</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS NUMBER:</strong></td>
<td>8008-20-6</td>
</tr>
</tbody>
</table>
EC NUMBER (EINECS): 232-366-4
PERCENTAGE: 0-1

COMPONENT: Acrylate copolymer
CAS NUMBER: 26376-86-3
EC NUMBER (EINECS): not assigned
PERCENTAGE: 0-1

NOTE: The IP 346 value of the mineral oil is less than 3%

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

INHALATION:
SHORT TERM EXPOSURE: Irritation
LONG TERM EXPOSURE: Lung damage

SKIN CONTACT:
SHORT TERM EXPOSURE: Irritation
LONG TERM EXPOSURE: Irritation, skin disorders

EYE CONTACT:
SHORT TERM EXPOSURE: Irritation
LONG TERM EXPOSURE: No information available

INGESTION:
SHORT TERM EXPOSURE: Diarrhea, difficulty breathing
LONG TERM EXPOSURE: no information on significant adverse effects

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):

Health – 1
Flammability – 1
Reactivity – 0

Not a Controlled Product under (WHMIS) – Canada Special Protection: See Section 8

SECTION 4 FIRST AID MEASURES

INHALATION: Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician.

SKIN CONTACT: Remove any contaminated clothing and wash with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of body.

EYE CONTACT: Flush eyes with clear water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

INGESTION: If ingested, call a physician immediately. Do not induce vomiting.
SECTION 5  FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:  Slight fire hazard

EXTINGUISHING MEDIA:  Carbon dioxide, regular dry chemical, regular foam, water

FIRE FIGHTING:  Move container from fire area if it can be done without risk.  Avoid inhalation of material or combustion by products.  Stay upwind and keep out of low areas.

HAZARDOUS COMBUSTION PRODUCTS:
Thermal decomposition products or combustion:  oxides of carbon, oxides of sulphur

UNUSUAL FIRE AND EXPLOSION HAZARDS:  Do not store or mix with strong oxidants.  Empty containers retain residue.  Do not cut, drill, grind, or weld, as they may explode.

SECTION 6  ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE:  Stop leak if possible without personal risk.  Small spills:  Absorb with sand or other non-combustible material.  Collect spilled material in appropriate container for disposal.

SECTION 7  HANDLING AND STORAGE

STORAGE:  Store and handle in accordance with all current regulations and standards.  Keep container tightly closed.  Keep away from heat, sparks, and flame.  See original container for storage recommendations.  Keep separated from incompatible substances.

SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:
MINERAL OIL MIST:
5 mg/m³ UK OES TWA
10mg/m³ UK OES STEL

VENTILATION:  Provide local exhaust ventilation system.  Ensure compliance with applicable exposure limits.

EYE PROTECTION:  Wear splash resistant safety goggles.  Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING:  Wear appropriate chemical resistant clothing.

GLOVES:  Wear appropriate chemical resistant (nitrile) gloves.

RESPIRATOR:  Consider the need for appropriate protective equipment, such as self-contained breathing apparatus, adequate masks and filters.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid
APPEARANCE: transparent
COLOUR: amber
PHYSICAL FORM: oil
ODOR: additive odor
BOILING POINT: >288 C
FREEZING POINT: Not available
FLASH POINT: 193 C (COC)
LOWER FLAMMABLE LIMIT: 0.9% by volume
UPPER FLAMMABLE LIMIT: 7.0% by volume
AUTO IGNITION: 210 C (COC)
VAPOUR PRESSURE: <0.01 mm Hg
VAPOR DENSITY (air=1): >5
SPECIFIC GRAVITY (water=1): 0.89
DENSITY: not available
WATER SOLUBILITY: negligible
pH: not available
VOLATILITY: not available
ODOR THRESHOLD: not available
EVAPORATION RATE: <0.01 (Butyl acetate=1)
VISCOITY: 25 mm²/s @ 100 C
COEFFICIENT OF WATER/OIL DISTRIBUTION: not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressures
CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
INCOMPATIBLES: Oxidising materials, chlorine
HAZARDOUS DECOMPOSITION:
Thermal decomposition products or combustion: oxides of carbon, oxides of sulphur
POLYMERISATION: Will not polymerise.

SECTION 11 TOXICOLOGICAL INFORMATION

Heavy and light paraffinic hydrotreated distillates:
TOXICITY DATA:
Greater than 5 g/kg oral-rat LD50
**Polybutene:**

**TOXICITY DATA:**
Greater than 34,600 mg/kg oral-rat LD50

**Light hydrotreated naphthenic distillates:**

**TOXICITY DATA:**
Low order of dermal or oral toxicity

**Olefin sulfide mixture:**

**TOXICITY DATA:**
Greater than 5,000 mg/kg oral-rat LD50

**Methacrylate copolymer:**

**TOXICITY DATA:**
No data available

**Kerosene:**

**TOXICITY DATA:**
No data available

**Acrylate copolymer:**

**TOXICITY DATA:**
Greater than 7,940 mg/kg oral-rat LD50

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**SECTION 12 ECOLOGICAL INFORMATION**

Not available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable regulations

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**SECTION 14 TRANSPORT INFORMATION**

**LAND TRANSPORT ADR:** No classification assigned.

**LAND TRANSPORT RID:** No classification assigned.

**AIR TRANSPORT IATA:** No classification assigned.

**AIR TRANSPORT ICAO:** No classification assigned.

**MARITIME TRANSPORT IMDG:** No classification assigned.
SECTION 15 REGULATORY INFORMATION

EUROPEAN REGULATIONS:
EC CLASSIFICATION (CALCULATED): Not classified as dangerous.

SECTION 16 OTHER INFORMATION

The above information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of LUBRIPLATE Lubricants Company. The data on these sheets relates only to the specific material designated herein. LUBRIPLATE Lubricants Company assumes no legal responsibility for use or reliance upon this data.