

**MATERIAL SAFETY DATA SHEET**

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

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**LUBRIPLATE Lubricants Co.**  
**129 Lockwood St.**  
**Newark, NJ 07105**

**Emergency Telephone Number:**  
**1-800-255-3924-CHEM-TEL (24 hour)**  
**Telephone Number for information:**  
**1-973-589-9150**

**SUBSTANCE: LUBRIPLATE® Chain & Cable Fluid Heavy**

**TRADE NAMES/SYNONYMS:**

**PRODUCT USE:** Petroleum lubricating oil

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

**REVISION DATE:** 11/19/2012

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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**COMPONENT:** Residual oils (petroleum), solvent dewaxed

**CAS NUMBER:** 64742-62-7

**EC NUMBER (EINECS):** 265-166-0

**PERCENTAGE:** 55-60

**COMPONENT:** Heavy and light hydrotreated naphthenic distillates (petroleum)

**CAS NUMBER:** 64742-52-5/64742-53-6

**EC NUMBER (EINECS):** 265-155-0/265/156-6

**PERCENTAGE:** 25-30

**COMPONENT:** 2-butoxyethanol

**CAS NUMBER:** 111-76-2

**EC NUMBER (EINECS):** 203-905-0

**PERCENTAGE:** 5-10

**COMPONENT:** Calcium oxidate mixture

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 2-5

**COMPONENT:** Mixed zinc carboxylates

**CAS NUMBER:** 12001-85-3

**EC NUMBER (EINECS):** 234-409-2

**PERCENTAGE:** 0-2

**COMPONENT:** Olefin sulfide mixture

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 0-2

**COMPONENT:** Petroleum hydrocarbon

**CAS NUMBER:** 64742-58-1

**EC NUMBER (EINECS):** 265-161-3

**PERCENTAGE:** 0-1

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

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## SECTION 3 HAZARDS IDENTIFICATION

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### 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

**Hazard Class D-1A (WHMIS) – Canada**

**Special Protection: See Section 8**

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## SECTION 4 FIRST AID MEASURES

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**INHALATION:** Remove to fresh air. See a physician if irritation persists.

**SKIN CONTACT:** Remove any contaminated clothing and wash exposed area with soap and warm water.

**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.

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## SECTION 5 FIRE FIGHTING MEASURES

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**FIRE AND EXPLOSION HAZARDS:** Slight fire hazard

**EXTINGUISHING MEDIA:** Carbon dioxide, regular dry chemical, regular foam, or water spray (fog)

**FIRE FIGHTING:** Cool exposed containers with water. Use air-supplied breathing equipment for enclosed or confined spaces.

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

**HAZARDOUS COMBUSTION PRODUCTS:**

Thermal decomposition products or combustion: may form SO<sub>2</sub>. If incomplete combustion, carbon monoxide.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**OCCUPATIONAL RELEASE:** Handle as an oil spill. Avoid breathing vapors or mist. Use adequate ventilation.

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## SECTION 7 HANDLING AND STORAGE

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**STORAGE:** Store at temperatures below 40 C. Store in a cool, dry area in tightly closed containers. Use adequate ventilation. Avoid excessive heat, sparks, or open flames. Avoid excessive heat, sparks, or open flames. Avoid prolonged or repeated skin contact.

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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

**MINERAL OIL MIST:**

5 mg/m<sup>3</sup> UK OES TWA

10mg/m<sup>3</sup> 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.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**PHYSICAL STATE:** liquid  
**APPEARANCE:** transparent  
**COLOUR:** amber  
**PHYSICAL FORM:** oil  
**ODOR:** sweet odor  
**BOILING POINT:** >288 C  
**FREEZING POINT:** Not available  
**FLASH POINT:** 154 C (COC)  
**LOWER FLAMMABLE LIMIT:** 0.9% by volume  
**UPPER FLAMMABLE LIMIT:** 7.0% by volume  
**AUTO IGNITION:** 177 C (COC)  
**VAPOUR PRESSURE:** <5  
**VAPOR DENSITY (air=1):** <5  
**SPECIFIC GRAVITY (water=1):** 0.93  
**DENSITY:** not available  
**WATER SOLUBILITY:** negligible  
**pH:** not available  
**VOLATILITY:** not available  
**ODOR THRESHOLD:** not available  
**EVAPORATION RATE (butyl acetate = 1):** not determined  
**VISCOSITY:** 15 mm<sup>2</sup>/s @ 100 C  
**COEFFICIENT OF WATER/OIL DISTRIBUTION:** not available

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**SECTION 10 STABILITY AND REACTIVITY**

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**REACTIVITY:** Stable at normal temperatures and pressures

**CONDITIONS TO AVOID:** Avoid contact with strong oxidants like liquid chlorine, concentrated oxygen.

**INCOMPATIBLES:** Strong oxidizers

**HAZARDOUS DECOMPOSITION:**  
Thermal decomposition products or combustion: may form SO<sub>2</sub>, carbon monoxide, hydrogen chloride

**POLYMERISATION:** Will not polymerise.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**Residual oils (petroleum), solvent dewaxed:**

**TOXICITY DATA:**

No data available

**Heavy and light hydrotreated naphthenic distillates:**

**TOXICITY DATA:**

Greater than 5,000 mg/kg oral-rat LD50

**Mixed zinc carboxylates:**

**TOXICITY DATA:**

No data available

**2-butoxyethanol:**

**TOXICITY DATA:**

1,746 mg/kg oral-rat LD50

**Calcium oxidate mixture:**

**TOXICITY DATA:**

Greater than 5,000 mg/kg oral-rat LD50

**Olefin sulfide mixture:**

**TOXICITY DATA:**

Greater than 5,000 mg/kg oral-rat LD50

**Petroleum hydrocarbons:**

**TOXICITY DATA:**

No data available

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**SECTION 12 ECOLOGICAL INFORMATION**

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Not available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Dispose in accordance with all applicable regulations.

Do not puncture or incinerate containers. Give empty, leaking or full containers to a disposal service equipped to safely handle and dispose of pressurized containers.

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**SECTION 14 TRANSPORT INFORMATION**

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**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.

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## SECTION 15 REGULATORY INFORMATION

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EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): Not classified as dangerous.

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## SECTION 16 OTHER INFORMATION

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