

**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 (AEROSOL) MSDS No. - 0892150135063**

**TRADE NAMES/SYNONYMS:**

**PRODUCT USE:** Petroleum lubricating oil

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

**REVISION DATE:** 01/21/2010

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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**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:** 75-80

**COMPONENT:** Liquefied petroleum gas

**CAS NUMBER:** 68476-85-7

**EC NUMBER (EINECS):** 270-704-2

**PERCENTAGE:** 15-20

**COMPONENT:** 2-butoxyethanol

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

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

**PERCENTAGE:** 2-5

**COMPONENT:** Calcium oxidate mixture

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 0-2

**COMPONENT:** Mixed zinc carboxylates

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

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

**PERCENTAGE:** 0-1

**COMPONENT:** Olefin sulfide mixture

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**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

**Effects of Overexposure:** Inhalation is the most likely method of exposure. Minimal effects are expected at levels below the TLV of components. Dizziness, drowsiness, coughing, nasal or throat irritations may occur at higher levels. Propellant may cause myocardial irritation and may act as a simple asphyxiant without other significant physiologic effects if the oxygen content is low.

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):**

Health – 1

Flammability – 4

Reactivity – 0

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

**Special Protection: See Section 8**

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### SECTION 4 FIRST AID MEASURES

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**INHALATION:** Remove to fresh air. If breathing has stopped, administer artificial respiration. Get medical help immediately.

**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

**FIRE FIGHTING:** Keep containers cool. Use air-supplied breathing equipment for enclosed or confined spaces. Use shielding to protect personnel against bursting containers.

**UNUSUAL FIRE FIGHTING AND EXPLOSION HAZARDS:** Do not spray near open flame. At elevated temperatures (over 54 C), aerosol containers may vent, burst, or rupture.

**HAZARDOUS COMBUSTION PRODUCTS:**

Thermal decomposition products or combustion: oxides of carbon, oxides of sulphur

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**OCCUPATIONAL RELEASE:** Remove sources of ignition, ventilate area. Use appropriate safety equipment to enter area. Allow time for vapors to be below their TLV. Add oil absorbent and clean area. Keep petroleum products out of sewers and watercourses.

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## SECTION 7 HANDLING AND STORAGE

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**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.

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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

**White mineral oil:**

**MINERAL OIL MIST:**

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

10mg/m<sup>3</sup> UK OES STEL

**LIQUEFIED PETROLEUM GAS:**

1,750 mg/m<sup>3</sup> OSHA TWA

2,180 mg/m<sup>3</sup> OSHA 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:** aerosol

**APPEARANCE:** transparent

**COLOUR:** off white

**PHYSICAL FORM:** oil

**ODOR:** additive odor from aerosol can

**BOILING POINT:** (Aerosol) Not applicable

**FREEZING POINT:** Not available

**FLASH POINT:** (without propellant) 154 C (COC)

**LOWER FLAMMABLE LIMIT:** 0.9% by volume

**UPPER FLAMMABLE LIMIT:** 9.5% by volume

**AUTO IGNITION:** (without propellant) 177 C (COC)

**VAPOUR PRESSURE:** Aerosol @ 54 C - 4137 mm Hg

**VAPOR DENSITY (air=1):** >1

**SPECIFIC GRAVITY (water=1):** (without propellant) 0.93

**DENSITY:** not available

**WATER SOLUBILITY:** insoluble

**pH:** not available

**VOLATILITY:** not available

**ODOR THRESHOLD:** not available

**EVAPORATION RATE:** (Butyl acetate = 1) Faster

**VISCOSITY:** (without propellant) 6 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 heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid spraying into open flame or onto red-hot surfaces.

**INCOMPATIBLES:** Strong oxidizers

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products or combustion: may form carbon monoxide, hydrogen chloride

**POLYMERISATION:** Will not polymerise.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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**Heavy and light hydrotreated naphthenic distillates:**

**TOXICITY DATA:**

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

**Liquefied petroleum gas:**

**TOXICITY DATA:**

No data available

**2-butoxyethanol:**

**TOXICITY DATA:**

436 mg/kg oral-rat LD50

**Calcium oxidate mixture:**

**TOXICITY DATA:**

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

**Mixed zinc carboxylates:**

**TOXICITY DATA:**

No data available

**Olefin sulfide mixture:**

**TOXICITY DATA:**

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

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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:** ID 8000, CONSUMER COMMODITY, Class 9, Packing Instructions - 910

**AIR TRANSPORT ICAO:** ID 8000, CONSUMER COMMODITY, Class 9, Packing Instructions - 910

**MARITIME TRANSPORT IMDG:** UN 1950, AEROSOLS (Ltd. Qty.), Class 2.1, EmS No. F-D, S-U, ERG No. 126

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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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Store in cool, dry area out of direct sunlight. Do not puncture or incinerate, or heat full or empty containers above 54 C.

Please read and follow directions on the product label. Keep away from children.

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