

**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 HTCL-FG 220**

**TRADE NAMES/SYNONYMS:**

**NSF H1 Registration No. 143870**

**PRODUCT USE:** Synthetic lubricating oil

**CREATION DATE:** 10/06/2010

**REVISION DATE:** 07/03/2014

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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**COMPONENT:** Proprietary polyol ester

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 95-100

**COMPONENT:** Benzenamine N- Phenyl

**CAS NUMBER:** 184378-08-3

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 0-1

**COMPONENT:** Benzenepropanoic acid

**CAS NUMBER:** 41484-35-9

**EC NUMBER (EINECS):** 255-392-8

**PERCENTAGE:** 0-1

**COMPONENT:** Amines Phosphate

**CAS NUMBER:** 80939-62-4

**EC NUMBER (EINECS):** 279-632-6

**PERCENTAGE:** 0-1

**COMPONENT:** Phosphate derivatives

**CAS NUMBER:** proprietary

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 0-1

**COMPONENT:** Benzotriazole  
**CAS NUMBER:** 94270-86-7  
**EC NUMBER (EINECS):** not assigned  
**PERCENTAGE:** 0-1

**COMPONENT:** Petroleum Distillates  
**CAS NUMBER:** 63148-62-9  
**EC NUMBER (EINECS):** not assigned  
**PERCENTAGE:** 0-1

**COMPONENT:** Phenol, 2, 4-bis (1,1-dimethylethyl) phosphite  
**CAS NUMBER:** 31570-04-4  
**EC NUMBER (EINECS):** not assigned  
**PERCENTAGE:** 0-1

**COMPONENT:** Phenolic Mixture  
**CAS NUMBER:** Proprietary  
**EC NUMBER (EINECS):** not assigned  
**PERCENTAGE:** 0-1

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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

**Not a Controlled Product under (WHMIS) – Canada**

**Special Protection: See Section 8**

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## SECTION 4 FIRST AID MEASURES

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**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 15 minutes or until irritation subsides. Remove contact lenses, if worn. If irritation persists, consult a physician.

**INGESTION:** If a large quantity (several ounces) has been swallowed, and if patient is fully conscious, give two glasses of water. Induce vomiting. This should only be done by medical or experienced first-aid personnel. Obtain medical attention.

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## SECTION 5 FIRE FIGHTING MEASURES

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

**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide or water spray (fog)

**FIRE FIGHTING:** Cool exposed containers with water. Use air-supplied breathing equipment and breathing equipment.

**HAZARDOUS COMBUSTION PRODUCTS:**

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**OCCUPATIONAL RELEASE:** Recover liquid, wash remainder with suitable petroleum solvent or add absorbent. Keep petroleum products out of sewers and watercourses. Advise authorities if product has entered or may enter sewers and watercourses.

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## SECTION 7 HANDLING AND STORAGE

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**GENERAL HANDLING:** Avoid contact with skin and clothing. Avoid breathing vapor, aerosol, and mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

**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:** None established by OSHA, ACGIH, or UCC.

**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 (polyvinyl chloride coated) 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:** pale yellow

**PHYSICAL FORM:** oil

**ODOR:** mild odor

**BOILING POINT:** >200 C

**FREEZING POINT:** not available

**FLASH POINT:** >302 C

**LOWER FLAMMABLE LIMIT:** not determined

**UPPER FLAMMABLE LIMIT:** not determined

**AUTO IGNITION:** not available

**VAPOUR PRESSURE:** not available

**VAPOR DENSITY (air=1):** not available

**SPECIFIC GRAVITY (water=1):** 1.004

**DENSITY:** not available

**WATER SOLUBILITY:** not available

**pH:** not available

**VOLATILITY:** not available

**ODOR THRESHOLD:** not available

**EVAPORATION RATE:** <0.01 (Butyl acetate=1)

**VISCOSITY:** 220 mm<sup>2</sup>/s @ 40 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:** Normally unreactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials with hydroxyl compounds.

**INCOMPATIBLES:** Oxidising materials, chlorine

**HAZARDOUS DECOMPOSITION:**

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

**POLYMERISATION:** Will not polymerise.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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**Proprietary polyol ester**

**TOXICITY DATA:**

No data available

**Benzenamine:**

**TOXICITY DATA:**

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

**Benzenepropanoic acid:**

**TOXICITY DATA:**

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

**Amines:**

**TOXICITY DATA:**

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

**Phosphate derivatives:**

**TOXICITY DATA:**

Greater than 2,000 mg/kg LD50 (oral-rat)

**Benzotriazole:**

**TOXICITY DATA:**

No data available

**Polydimethylsiloxane:**

**TOXICITY DATA:**

Greater than 34,600 mg/kg LD50 (oral-rat)

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**SECTION 12 ECOLOGICAL INFORMATION**

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No data available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Dispose in accordance with all applicable regulations

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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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