

**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 FGL-1 Aerosol**

**MSDS No. - 0892150231063**

**TRADE NAMES/SYNONYMS:**

**NSF H-1 REGISTRATION NUMBER: 126088**

**PRODUCT USE: Petroleum lubricating grease**

**CREATION DATE: 11/13/2008**

**REVISION DATE: 10/11/2012**

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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**COMPONENT: White mineral oil**  
**CAS NUMBER: 8042-47-5**  
**EC NUMBER (EINECS): 232-455-8**  
**PERCENTAGE: 55-60**

**COMPONENT: Propane**  
**CAS NUMBER: 74-98-6**  
**EC NUMBER (EINECS): 200-827-9**  
**PERCENTAGE: 15-20**

**COMPONENT: Polybutene**  
**CAS NUMBER: 9003-29-6**  
**EC NUMBER (EINECS): 500-004-7**  
**PERCENTAGE: 5-10**

**COMPONENT: Zinc oxide**  
**CAS NUMBER: 1314-13-2**  
**EC NUMBER (EINECS): 215-222-5**  
**PERCENTAGE: 5-10**

**COMPONENT: Fatty acids**  
**CAS NUMBER: 68440-15-3**  
**EC NUMBER (EINECS): 270-438-7**  
**PERCENTAGE: 2-5**

**COMPONENT:** Oxoaluminum acylate  
**CAS NUMBER:** 151911-66-9  
**EC NUMBER (EINECS):** not assigned  
**PERCENTAGE:** 2-5

**COMPONENT:** Benzoic acid  
**CAS NUMBER:** 65-85-0  
**EC NUMBER (EINECS):** 200-618-2  
**PERCENTAGE:** 0-2

**COMPONENT:** Disodium sebacate  
**CAS NUMBER:** 17265-14-4  
**EC NUMBER (EINECS):** 241-300-3  
**PERCENTAGE:** 0-1

**COMPONENT:** Alkylated diphenylamine  
**CAS NUMBER:** 68411-46-1  
**EC NUMBER (EINECS):** 270-128-1  
**PERCENTAGE:** 0-1

**COMPONENT:** Triphenyl phosphorothionate  
**CAS NUMBER:** 597-82-0  
**EC NUMBER (EINECS):** 209-909-9  
**PERCENTAGE:** 0-1

**COMPONENT:** Amines  
**CAS NUMBER:** 80939-62-4  
**EC NUMBER (EINECS):** 279-632-6  
**PERCENTAGE:** 0-1

**COMPONENT:** Sodium benzoate  
**CAS NUMBER:** 532-32-1  
**EC NUMBER (EINECS):** 208-534-8  
**PERCENTAGE:** 0-1

**COMPONENT:** Petroleum naphtha  
**CAS NUMBER:** 64742-48-9  
**EC NUMBER (EINECS):** 265-150-3  
**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

**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 at higher levels. Propane 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

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

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

**EYE CONTACT:** Flush with clear water for 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:** Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Do not spray near open flames. At elevated temperatures, (>54 C), aerosol cans may vent, burst, or rupture.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**OCCUPATIONAL RELEASE:** Scrape up grease, wash remainder with suitable petroleum solvent or add absorbent. Keep petroleum products out of sewers and water courses. Advise authorities if product has entered or may enter sewers and water courses.

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## SECTION 7 HANDLING AND STORAGE

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**STORAGE:** Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidants.

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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

**OIL MIST IN AIR (Not Encountered in Normal Usage):**

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

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

**PETROLEUM NAPHTHA:**

400 ppm OSHA PEL

400 ppm ACGIH TLV

**PROPANE:**

1,000 ppm OSHA PEL

1,000 ppm ACGIH TLV

**VENTILATION:** Provide local exhaust ventilation system. Use for fumes and to maintain below TLV value.

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

**CLOTHING:** Wear appropriate chemical resistant clothing. Use oil-resistant apron if needed.

**GLOVES:** Wear appropriate chemical resistant (nitrile) gloves.

**RESPIRATOR:** Need approved organic vapor mask if TLV is exceeded.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** aerosol

**APPEARANCE:** smooth

**COLOUR:** white

**PHYSICAL FORM:** aerosol mist

**ODOR:** solvent odor

**BOILING POINT:** not applicable (aerosol)

**FREEZING POINT:** Not available  
**FLASH POINT:** propellant <-18 C  
**LOWER FLAMMABLE LIMIT:** 0.9% by volume  
**UPPER FLAMMABLE LIMIT:** 9.5% by volume  
**AUTO IGNITION:** not available  
**VAPOUR PRESSURE:** aerosol at 54 C – 105 psig  
**VAPOR DENSITY (air=1):** >1  
**SPECIFIC GRAVITY (water=1):** 0.97 (of product)  
**DENSITY:** not available  
**WATER SOLUBILITY:** insoluble  
**pH:** not available  
**VOLATILITY:** not available  
**ODOR THRESHOLD:** not available  
**EVAPORATION RATE (Butyl acetate = 1):** faster  
**VISCOSITY:** not available  
**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 spraying into open flame or onto red-hot surfaces.

**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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**White mineral oil:**

**TOXICITY DATA:**

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

**Propane:**

**TOXICITY DATA:**

No data available

**Polybutene:**

**TOXICITY DATA:**

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

**Zinc oxide:**

**TOXICITY DATA:**

No data available

**Fatty acids:**

**TOXICITY DATA:**

No data available

**Oxoaluminum acylate:**

**TOXICITY DATA:**

No data available

**Benzoic acid:**

**TOXICITY DATA:**

No data available

**Disodium sebacate:**

**TOXICITY DATA:**

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

**Alkylated diphenylamine:**

**TOXICITY DATA:**

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

**Triphenyl phosphorothionate:**

**TOXICITY DATA:**

Greater than 10,000 mg/kg oral-rat LD50

**Amines:**

**TOXICITY DATA:**

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

**Sodium benzoate:**

**TOXICITY DATA:**

4,100 mg/kg oral-rat LD50

**Petroleum naphtha:**

**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

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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 – Y963

**AIR TRANSPORT ICAO:** ID 8000, CONSUMER COMMODITY, Class 9, Packing Instructions – Y963

**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): N

Risk Phrases: R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SARA/TITLE III, Section 313 Status – Zinc Compounds <8%

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## SECTION 16 OTHER INFORMATION

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