MATERIAL SAFETY DATA SHEET

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

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

SUBSTANCE: LUBRIPLATE No. 1444
MSDS No. - 0892150227035

TRADE NAMES/SYNONYMS:

PRODUCT USE: Petroleum lubricating grease

CREATION DATE: 04/12/2007
REVISION DATE: 07/14/2010

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Residual oils (petroleum), solvent dewaxed
CAS NUMBER: 64742-62-7
EC NUMBER (EINECS): 265-166-0
PERCENTAGE: 65-70

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: Stearic acid
CAS NUMBER: 57-11-4
EC NUMBER (EINECS): 200-313-4
PERCENTAGE: 0-5

COMPONENT: Polyethylene
CAS NUMBER: 9002-88-4
EC NUMBER (EINECS): not assigned
PERCENTAGE: 0-5

COMPONENT: Oxoaluminum acylate
CAS NUMBER: 151911-66-9
EC NUMBER (EINECS): not assigned
PERCENTAGE: 0-5

COMPONENT: Benzoic acid
CAS NUMBER: 65-85-0
EC NUMBER (EINECS): 200-618-2
PERCENTAGE: 0-5

COMPONENT: 1,3,4-thiadiazol-2(3H)-thione, 5,5-dithiobis
CAS NUMBER: 72676-55-2
EC NUMBER (EINECS): 276-763-0
PERCENTAGE: 0-2

COMPONENT: Quaternary ammonium bentonite
CAS NUMBER: 14808-60-7
EC NUMBER (EINECS): 238-878-4
PERCENTAGE: 0-1

COMPONENT: Butyl zimate
CAS NUMBER: 136-23-2
EC NUMBER (EINECS): 205-232-8
PERCENTAGE: 0-1

COMPONENT: Petroleum hydrocarbon
CAS NUMBER: 64742-58-1
EC NUMBER (EINECS): 265-161-3
PERCENTAGE: 0-1

COMPONENT: Hydroxyalkyl carboxylic ester
CAS NUMBER: NA
EC NUMBER (EINECS): NA
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

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**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 the body.

**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**

**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 store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind, or weld, as they may explode.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**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.
SECTION 7  HANDLING AND STORAGE

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

SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:
OIL MIST IN AIR (Not Encountered in Normal Usage):
5 mg/m³ UK OES TWA
10 mg/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 when conditions exceed TLV (not encountered in normal usage).

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:  solid
APPEARANCE:  tacky
COLOUR:  off-white
PHYSICAL FORM:  grease
ODOR:  mineral oil odor
BOILING POINT:  >288°C
FREEZING POINT:  Not available
FLASH POINT:  279°C (COC)
LOWER FLAMMABLE LIMIT:  0.9% by volume
UPPER FLAMMABLE LIMIT:  7.0% by volume
AUTO IGNITION:  not available
VAPOUR PRESSURE:  <0.01
VAPOR DENSITY (air=1):  >5
SPECIFIC GRAVITY (water=1):  0.97
DENSITY:  not available
WATER SOLUBILITY:  negligible
pH:  not available
VOLATILITY:  not available
ODOR THRESHOLD:  not available
EVAPORATION RATE (Butyl acetate = 1): <0.01
VISCOSITY: not available
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

Residual oils (petroleum), solvent dewaxed:
TOXICITY DATA:
No data available

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

Zinc oxide:
TOXICITY DATA:
No data available

Stearic acid:
TOXICITY DATA:
Greater than 10,000 mg/kg oral-rat LD50

Polyethylene:
TOXICITY DATA:
Greater than 6,400 mg/kg oral-rat LD50

Oxoaluminum acylate:
TOXICITY DATA:
No data available

Benzoic acid:
TOXICITY DATA:
No data available
1,3,4-thiadiazol-2(3H)-thione,5,5-dithiobis:
TOXICITY DATA:
6,480 mg/kg oral-rat LD50

Quaternary ammonium bentonite:
TOXICITY DATA:
Greater than 8 g/kg oral-rat LD50

Butyl zimate:
TOXICITY DATA:
Greater than 16,000 mg/kg oral-rat LD50

Petroleum hydrocarbon:
TOXICITY DATA:
No data available

Hydroxyalkyl carboxylic ester:
TOXICITY DATA:
Between 2,000 and 5,000 mg/kg oral-rat LD50

SECTION 12 ECOLOGICAL INFORMATION
Not available

SECTION 13 DISPOSAL CONSIDERATIONS
Dispose in accordance with all applicable regulations

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): 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 <6%

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.