

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

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

SUBSTANCE: LUBRIPLATE FMO 350-AW Spray (AEROSOL) MSDS No. - 0892150882063

TRADE NAMES/SYNONYMS:

NSF Registration Number: 126089

PRODUCT USE: Petroleum lubricating oil

CREATION DATE: 04/03/2008

REVISION DATE: 01/21/2010

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: White mineral oil (petroleum)

CAS NUMBER: 8042-47-5

EC NUMBER (EINECS): 232-455-8

PERCENTAGE: 75-80

COMPONENT: Liquefied petroleum gas

CAS NUMBER: 68476-85-7

EC NUMBER (EINECS): 270-704-2

PERCENTAGE: 15-20

COMPONENT: Benzenepropanoic acid

CAS NUMBER: 41484-35-9

EC NUMBER (EINECS): 255-392-8

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: Propyl paraben
CAS NUMBER: 94-13-3
EC NUMBER (EINECS): 202-307-7
PERCENTAGE: 0-1

COMPONENT: Dimethylpolysiloxane
CAS NUMBER: 63149-62-9
EC NUMBER (EINECS): not assigned
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: ACGIH – listed as simple asphyxiant

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.

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 – 4

Reactivity – 0

Not a Controlled Product under (WHMIS) – Canada

Special Protection: See Section 8

SECTION 4 FIRST AID MEASURES

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 eyes 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.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide

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

HAZARDOUS COMBUSTION PRODUCTS:

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

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

SECTION 6 ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 HANDLING AND STORAGE

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

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

White mineral oil:

MINERAL OIL MIST:

5 mg/m³ UK OES TWA

10mg/m³ UK OES STEL

LIQUEFIED PETROLEUM GAS:1,750 mg/m³ OSHA TWA2,180 mg/m³ 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. Need approved organic vapor mask if TLV is exceeded.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: aerosol

APPEARANCE: clear

COLOUR: off white mist from aerosol can

PHYSICAL FORM: oil

ODOR: propellant odor

BOILING POINT: (aerosol) not applicable

FREEZING POINT: not available

FLASH POINT: (without propellant) 224 C (COC), propellant < -18 C

LOWER FLAMMABLE LIMIT: 0.9% by volume

UPPER FLAMMABLE LIMIT: 9.5% by volume

AUTO IGNITION: 254 C (COC)

VAPOUR PRESSURE: 7,757 mm Hg

VAPOR DENSITY (air=1): >5

SPECIFIC GRAVITY (water=1): (without propellant) 0.88

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) 8 mm²/s @ 100 C

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 strong oxidants like liquid chlorine, concentrated oxygen.

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

White mineral oil (petroleum):

TOXICITY DATA:

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

Liquefied petroleum gas:

TOXICITY DATA:

No data available

Benzenepropanoic acid:

TOXICITY DATA:

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

Alkylated diphenylamine:

TOXICITY DATA:

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

Triphenyl phosphorothionate:

TOXICITY DATA:

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

Amines:

TOXICITY DATA:

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

Propyl paraben:

TOXICITY DATA:

Greater than 8,000 mg/kg LD50 oral-rat

Dimethylpolysiloxane:

TOXICITY DATA:

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

SECTION 12 ECOLOGICAL INFORMATION

Not available

SECTION 13 DISPOSAL CONSIDERATIONS

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.

SECTION 14 TRANSPORT INFORMATION

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

SECTION 15 REGULATORY INFORMATION

EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): Not classified as dangerous.

SECTION 16 OTHER INFORMATION

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