

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: FISKE'S 4050 Cutting Oil

TRADE NAMES/SYNONYMS:

PRODUCT USE: Petroleum lubricating oil

CREATION DATE: 06/05/2008

REVISION DATE: 03/04/2009

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Solvent dewaxed heavy paraffinic distillates

CAS NUMBER: 64742-65-0

EC NUMBER (EINECS): 265-169-7

PERCENTAGE: 85-90

COMPONENT: Lard oil

CAS NUMBER: 8016-28-2

EC NUMBER (EINECS): 232-405-5

PERCENTAGE: 0-5

COMPONENT: Chlorinated paraffin waxes/chlorinated alkanes

CAS NUMBER: 63449-39-8/61788-76-9

EC NUMBER (EINECS): 264-150-0/263-004-3

PERCENTAGE: 0-5

COMPONENT: Soybean oil

CAS NUMBER: 8001-22-7

EC NUMBER (EINECS): 232-274-4

PERCENTAGE: 0-5

COMPONENT: Dialkyl polysulfide

CAS NUMBER: NA

EC NUMBER (EINECS): NA

PERCENTAGE: 0-2

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

Although previous National Toxicology Program (NTP) Annual Reports have not listed chlorinated paraffins as carcinogens or potential carcinogens, recent NTP studies have shown this product to cause tumors in laboratory animals which were force-fed this product mixed with corn oil at high dose levels for long periods of time. However, this carcinogenic response was only produced in male mice. The lack of evidence of carcinogenicity in rats and female mice with an increase in the incidence of lymphomas in male mice only is interpreted as extreme exposure conditions which are quite unlikely to be encountered by humans during the manufacturing or handling of chlorinated paraffins. To prevent accidental swallowing of this product, follow good personal hygiene practices, such as washing thoroughly before eating, smoking, and when finished work. Also, use normal protective equipment, such as impervious gloves and chemical splash goggles.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):

Health – 1

Flammability – 1

Reactivity – 0

Not a Controlled Product under (WHMIS) – Canada**Special Protection: See Section 8**

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 body.

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 or water spray (fog)

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

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition products or combustion: not determined

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not store or mix with strong oxidants. Empty containers contain residue. Do not cut, drill, grind, or weld, as they may explode.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 HANDLING AND STORAGE

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.

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

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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid
APPEARANCE: transparent
COLOUR: dark brown
PHYSICAL FORM: oil
ODOR: fatty oil odor
BOILING POINT: >288 C
FREEZING POINT: Not available
FLASH POINT: 177 C (COC)
LOWER FLAMMABLE LIMIT: 0.9%
UPPER FLAMMABLE LIMIT: 7.0%
AUTO IGNITION: 190 C (COC)
VAPOUR PRESSURE: <0.01 mm Hg
VAPOR DENSITY (air=1): not determined
SPECIFIC GRAVITY (water=1): 0.90
DENSITY: not available
WATER SOLUBILITY: miscible
pH: not available
VOLATILITY: not available
ODOR THRESHOLD: not available
EVAPORATION RATE: not determined (Butyl acetate=1)
VISCOSITY: 61 mm²/s at 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.

INCOMPATIBLES: Strong oxidants

HAZARDOUS DECOMPOSITION:

Thermal decomposition products or combustion: not determined

POLYMERISATION: Will not polymerise.

SECTION 11 TOXICOLOGICAL INFORMATION

Solvent dewaxed heavy paraffinic distillates:

TOXICITY DATA:

No data available

Lard oil:

TOXICITY DATA:

No data available

Chlorinated paraffin waxes/chlorinated alkanes:**TOXICITY DATA:**

Greater than 4,000 mg/kg oral-rat LD50

Soybean oil:**TOXICITY DATA:**

No data available

Dialkyl polysulfide:**TOXICITY DATA:**

Greater than 3,000 mg/kg oral-rat LD50

SECTION 12 ECOLOGICAL INFORMATION

Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal facility or site.

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): Not classified as dangerous.

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.