

**MATERIAL SAFETY DATA SHEET**

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

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**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 Clorsul No. 2**

**TRADE NAMES/SYNONYMS:**

**PRODUCT USE:** Petroleum lubricating oil

**CREATION DATE:** 02/12/2008

**REVISION DATE:** 03/03/2009

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**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

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**COMPONENT:** Heavy and light hydrotreated naphthenic distillates (petroleum)

**CAS NUMBER:** 64742-52-5/64742-53-6

**EC NUMBER (EINECS):** 265-155-0/265-156-6

**PERCENTAGE:** 80-85

**COMPONENT:** Chlorinated paraffin waxes/chlorinated alkanes

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

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

**PERCENTAGE:** 10-15

**COMPONENT:** Sulfurized lard

**CAS NUMBER:** NA

**EC NUMBER (EINECS):** NA

**PERCENTAGE:** 5-10

**COMPONENT:** Petrolatum

**CAS NUMBER:** 8009-03-8

**EC NUMBER (EINECS):** 232-373-2

**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:** 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 working. 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**

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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. If over-exposed to oil mist, remove from further exposure until excessive oil mist conditions subside.

**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 irritations subside. 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:** Intense heat may cause drums to rupture.

**EXTINGUISHING MEDIA:** Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)

**SPECIAL FIRE FIGHTING PROCEDURES:** After water evaporates and fire starts, treat as an oil fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

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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 water courses. Advise authorities if product has entered or may enter sewers and water courses.

**WASTE DISPOSAL METHOD:** Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal facility or site.

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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

**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:** Normally not needed.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** liquid

**APPEARANCE:** opaque

**COLOUR:** black

**PHYSICAL FORM:** oil  
**ODOR:** additive odor  
**BOILING POINT:** >288 C  
**FREEZING POINT:** Not available  
**FLASH POINT:** 163 C (COC)  
**LOWER FLAMMABLE LIMIT:** 0.9%  
**UPPER FLAMMABLE LIMIT:** 7.0%  
**AUTO IGNITION:** 182 C (COC)  
**VAPOUR PRESSURE:** <0.01 mm Hg  
**VAPOR DENSITY (air=1):** >5  
**SPECIFIC GRAVITY (water=1):** 0.99  
**DENSITY:** not available  
**WATER SOLUBILITY:** Negligible  
**pH:** not available  
**VOLATILITY:** not available  
**ODOR THRESHOLD:** not available  
**EVAPORATION RATE (butyl acetate=1):** <0.01  
**VISCOSITY:** 46 mm<sup>2</sup>/s at 100 F  
**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 heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

**INCOMPATIBLES:** Strong oxidants like liquid chlorine, concentrated oxygen

**HAZARDOUS DECOMPOSITION:**

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

**POLYMERISATION:** Will not polymerise.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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**Heavy and light hydrotreated naphthenic distillates:**

**TOXICITY DATA:**

Low order of dermal and oral toxicity

**Chlorinated paraffin waxes/chlorinated alkanes:**

**TOXICITY DATA:**

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

**Sulfurized lard:**

**TOXICITY DATA:**

Greater than 5 g/kg oral-rat LD50

**Petrolatum:**

**TOXICITY DATA:**

Greater than 5 g/kg oral-rat LD50

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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:** 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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