

MATERIAL SAFETY DATA SHEET

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

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SUBSTANCE: FISKE'S Cloroil Concentrate

TRADE NAMES/SYNONYMS:

PRODUCT USE: Petroleum lubricating oil

CREATION DATE: 02/12/2008

REVISION DATE: 03/03/2009

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Paraffin waxes and hydrocarbon waxes, chloro

CAS NUMBER: 63449-39-8

EC NUMBER (EINECS): 264-150-0

PERCENTAGE: 100

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

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**

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. 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.

SECTION 5 FIRE FIGHTING MEASURES

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

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 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.

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

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: Normally not needed.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid

APPEARANCE: transparent

COLOUR: amber

PHYSICAL FORM: oil

ODOR: slightly pungent 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: not available

VAPOUR PRESSURE: <0.01 mm Hg

VAPOR DENSITY (air=1): >5

SPECIFIC GRAVITY (water=1): 1.184

DENSITY: not available

WATER SOLUBILITY: Negligible

pH: not available

VOLATILITY: not available

ODOR THRESHOLD: not available

EVAPORATION RATE (butyl acetate=1): <0.01

VISCOSITY: 1,079 mm²/s at 100 F

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: Strong oxidants like liquid oxygen, concentrated oxygen

HAZARDOUS DECOMPOSITION:

Thermal decomposition products or combustion: oxides of carbon, hydrogen chloride

POLYMERISATION: Will not polymerise.

SECTION 11 TOXICOLOGICAL INFORMATION

Paraffin waxes and hydrocarbon waxes, chloro:

TOXICITY DATA:

Greater than 4 g/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): Not classified as dangerous.

SECTION 16 OTHER INFORMATION

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