

SDS: 800-2

SECTION 1. IDENTIFICATION

Product name: Hydraulic oil (AW22/32/46/68/100/150 HT)

Product code: HO810B-1100, HO822-19, HO822B-19, HO822-45B, HO822B-1100, HO832-19, HO832-2-1100, HO832-2-45, HO832B-03, HO832B-1100, HO832B-19, HO832B-45, HO846-1100, HO846-19, HO846-45, HO846B-45, HO846B-19, HO846B-1100, HO868-1100, HO868-19, HO868-2-45, HO868B-1100, HO868B-19, HO868B-45.

SDS number: 800-2

Use of product: used for the lubrication of hydraulic system.

Company Identification

HALL CHEM MFG. INC.

1270 rue Nobel

Boucherville QC J4B 5H1

Tel.: (450) 645-0296

Fax: (450) 645-0444

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact CANUTEC: 613-996-6666

Local Emergency Contact: 613-996-6666

SECTION 2. HAZARD IDENTIFICATION



Warning! Contact with skin or eyes may result in irritation. Ingestion (swallowing) may result in GI tract irritation or stomach discomfort. Inhalation of oil mists or heated oils may result in respiratory tract (lung, throat, nose, and airways) irritation. Slip hazard when spilt.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical name	% V/V	CASE #
Highly Refined Mineral Oil	40-95	Mixture
Zinc dialkyl dithiophosphate	0-50	68649-42-3
Lubricating oils neutral	0-25	72623-86-0

SECTION 5. FIRE-FIGHTING MEASURES

Description of first aid measures:

Skin contact:

If on skin or hair, immediately remove all contaminated clothing and wash before reuse. Wash exposed area with soap and water.

Contact with eyes:

On case of eye contact, rinse cautiously with water for several minutes with eyelids held open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a physician, preferably an ophthalmologist.

Inhalation:

If inhaled, remove source of exposure and move person to fresh air. If difficulties occur after vapor/aerosol has been inhaled, consult a physician.

Ingestion:

If swallowed, rinse mouth immediately and then drink plenty of water. Immediately call a POISON CENTRE/doctor.

Most important symptoms and effects, acute and delayed:

Inhalation of oil mist or vapours from hot oil may cause irritation of the upper respiratory tract. Prolonged or repeated contact may cause various forms of dermatitis including folliculitis and oil acne. Long term intensive exposure to oil mist may cause benign fibrosis.

Immediate medical attention and special treatment:

In general, lubricating oils have low oral toxicity. High pressure injection under the skin may have serious consequences and may require urgent treatment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Extinguishing methods:

Suitable extinguishing media: Alcohol foam, carbon dioxide, dry chemical.

Unsuitable extinguishing media:

Do not use direct water stream. Product will float and can be reignited on surface of water.

Hazardous combustion product:

Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, and dense smoke.

Specific Hazards Arising from the Chemical:

Can ignite if strongly heated. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Advices for fire-fighters:

Special protective equipment: Wear a self-contained apparatus. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 7. HANDLING AND STORAGE

Precaution for safe handling:

Avoid excessive heat, formation of oil mist, breathing of vapours and mist of hot oil and Prolonged or repeated contact with skin. Launder contaminated clothing prior to reuse. Properly dispose of contaminated leather articles, including shoes, that cannot be decontaminated.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage:

Store in cool, dry well-ventilated area. Keep away from ignition sources (open flame, sparks and electricity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Engineering controls:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures:

Eye/face protection:

Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Body protection:

Wear chemical protective clothing e.g. gloves, aprons, and boots. Nitrile, rubber.

Respiratory Protection:

Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

General safety and hygiene measures:

Do not inhale gases/vapors/aerosols. Handle accordance with good industrial hygiene and safety practice. Wearing a closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state : Liquid	Appearance : Clear or Red, viscous	Odor: Petroleum	Odor threshold : Not available
Vapor tension (20°C): Not available	Vapor density (air=1) : Not available	Evaporating rate(butyl acetate =1):	

		Not available
Boiling point : 260°C (500°F)	Freezing point : Not available	pH : Not applicable
Density (g/mL) : approx. 0,85 to 0,89 at 15,5°C (60°F)	Distribution factor water/oi : Not available	Solubility with water (25°C) : Insoluble
Flash point : 171°C (340°F), Cleveland open cup	Auto-ignition temperature: Not available	Flammability: lower limit: not available upper limit: not available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:

The product is stable if stored as prescribed/indicated.

Possibility of hazardous reactions:

No hazardous reaction if stored and handled as prescribed/indicated.

Condition to avoid:

Avoid strong oxidizing agents (ex : chlorates, peroxides, strong acids)

Incompatibility with other products:

Strong oxidizing agents (ex : chlorates, peroxides, strong acids).

Reactivity:

No hazardous polymerization. Avoid excessive heat and formation of vapours or mists.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Oral Toxicity The LD50 in rats is > 5000mg/kg based on data from components or similar materials.

Eye Irritation This product can cause mild eye irritation with short term contact.

Skin Irritation Not expected to be a primary skin irritant based on data from components or similar materials. Prolonged exposure or repeated skin contact as from clothing with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Inhalation Sensitization No data available to indicate product or components may be respiratory sensitizers. Oil mist may be respiratory irritant..

CHRONIC EXPOSURE

Chronic Toxicity No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity This material is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC.

Mutagenicity No data available to indicate product or components present at

greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity No data available to indicate product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity No data available to indicate product or components present at greater than 0.1% may cause birth defects.

Other No other health hazards known.

Exposure Limits Mineral Oil: OSHA PEL of 5 mg/m³ (mist), ACGIH STEL of 10 mg/m³ (mist).

Zinc dialkyl dithiophosphate: Oral LD50 (rat) 1830 mg/kg; Dermal LD50 (rabbit) >3160 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Eco toxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and similar products.

Eco toxicity

Poorly soluble mixture. Not expected to be harmful to aquatic life.

May cause physical fouling of aquatic organisms. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

Environmental Fate This material is not expected to be readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

The generation of waste should be avoided or minimized wherever possible.

Must be disposed of or incinerated according with local regulation.

SECTION 14. TRANSPORT INFORMATION

Not classified as a dangerous good under Canadian transport regulations.

SECTION 15. REGULATORY INFORMATION

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

SECTION 16. OTHER INFORMATION

Prepared by:
Hall Chem Mfg. Inc.

Date / Revised: February 2018