

Section 1. Identification

Product Identifier

Product Name 49N HVI Hydraulic Oil
 Common Name Hydraulic Fluid – ISO 13, H5606
 Product Code(s) 42222

Recommended or Restricted Uses

Recommended Use Lubricant
 Restricted Use Not Applicable

Canadian Supplier

Supplier 49 North Lubricants
 6611 45th Street,
 Leduc, Alberta
 T9E 7E3
 Canada
 Tel: (780) 986-9260
 Fax: (780) 986-9650

Emergency Telephone Number


Emergency Telephone CHEMTREC: 1-800-424-9300

Section 2. Hazard Identification

Hazard Classification

WHMIS Regulatory Status Hazardous Product
 Physical Hazards Not Classified
 Health Hazards Skin Corrosion: Category 3
 Eye Damage: Category 2A
 Skin Sensitization: Category 1
 Aspiration: Category 1
 Environmental Hazards Not Classified

Label Elements

Symbol 

Signal Word Danger

Hazard Statements Causes serious eye irritation
 Causes mild skin irritation
 May be fatal if swallowed and enters airways

Precautionary Statements Read label before use
 Wear protective gloves / protective clothing / eye protection / face protection
 Keep away from heat, open flames, and other ignition sources

Other Hazards Not Applicable

Section 3. Composition / Information on Ingredients

Composition

CHEMICAL DESIGNATION	CAS NUMBER	% OF COMPOSITION
Light Naphthenic Hydrotreated Distillates	64742-53-6	75 – 100%
Zinc Alkyldithiophosphate	84605-29-8	< 1.0%

Butylated Phenol	Confidential	< 1.0%
Calcium Sulfoinate	Confidential	< 0.1%
Aryl Phosphate	101-02-0	< 0.1%
2-Ethylhexanol	104-76-7	< 0.1%
Aryl Thiophosphate	597-82-0	< 0.1%
Kerosene	8008-20-6	< 0.1%
Alkylated Phenol	121158-58-5	< 0.1%
Substituted Triazole	Confidential	< 0.1%
Polydimethylsiloxane	63148-62-9	< 0.1%

Section 4. First Aid Measures

Route of Exposure

Inhalation:	Move affected person to fresh air and keep warm and at rest. Loosen tight clothing such as collar, tie or belt. If breathing becomes difficult, properly trained personnel can assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing continues.
Skin Contact:	Rinse affected area with soap and water. Remove contaminated clothing.
Eye Contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes
Ingestion:	Do not induce vomiting. Do not give anything by mouth. Seek medical attention immediately.

Most Important Systems and Effects

Inhalation:	May Cause: Coughing,
Skin Contact:	May Cause: Temporary Skin Irritation
Eye Contact:	May Cause: Irritation or Redness in Eyes
Ingestion:	May Cause: Discomfort

Immediate Medical Attention and Special Treatment

Note for the Doctor	Treat Symptomatically
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Section 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media	Extinguish with dry chemical, foam, carbon dioxide powder or water fog.
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, this can spread the fire.

Specific Hazards Arising from the Hazardous Product

Specific hazards	Containers can burst violently or explode when heated. Contains Hydrocarbons. The product is immiscible with water and will spread on the water surface.
Hazardous combustion products	Hydrocarbons. Carbon Monoxide (CO). Carbon Dioxide (CO ₂).

Advice for Firefighters

Protective actions during firefighting	Avoid breathing gases or vapours. Evacuate the area. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Not Applicable.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions Keep unnecessary and unprotected personnel away from spillage. Wear protective clothing as described in Section 8. Follow safe handling as described in Section 7. Wash thoroughly after dealing with a spill. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.

Methods and Material for Containment and Cleaning Up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. For small spillages: wipe up with an absorbent cloth. Avoid discharge into drains or watercourses or onto the ground. For large spillages: Contain the spilled material, absorb with non-combustible absorbent material, removed and dispose of contaminated material with a licensed waste disposal site. If environmental pollution occurs (sewers, waterways, soil or air) inform the relevant authorities. Large spills may require pumping of water or excavation of soil to clean up.

Methods for containment Use berms, skimmers, and absorbent to contain the spillage where appropriate.

Section 7. Handling and Storage

Precautions for Safe Handling

Usage precautions Read and follow manufacturer's recommendations. Wear PPE as described in Section 8. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash before eating, drinking or smoking. Handle all packages and containers carefully. Keep all containers tightly sealed when not in use.

Conditions for Safe Storage, Including any Incompatibilities

Storage Precautions Store away from incompatible materials listed in Section 10. Store in accordance with local regulations. Keep containers in a cool, well ventilated location. The storage area floor should be leak-tight and not absorbent. Do not store in direct sunlight. Empty containers may contain product residue and should be stored accordingly.

Storage Class Not Applicable

Section 8. Exposure Controls / Personal Protection

Control Parameters

Occupational Exposure Limits 5 mg/m³ (8 hours)

Appropriate Engineering Controls

Engineering controls Provide adequate ventilation. Use engineered ventilation to keep the airborne concentration below the recommended exposure limits.

Individual Protection Measures

General All personal protective equipment (PPE) should comply with Canada OH&S Regulations (SOR/86-304)

Eye/Face protection Recommended: Safety glasses. Where splash hazards exist use a face shield as well.

Hand protection Recommended: Neoprene or heavy nitrile gloves.

Body protection Recommended: Long sleeved coveralls.

Respiratory protection Vapourization is not expected at ambient temperatures. If engineered ventilation is inadequate, use a NIOSH-certified respirator with a dual cartridge for organic vapor and P95 particulates.

Section 9. Physical and Chemical Properties

Physical Properties

Physical State Liquid

Colour Amber

Odour Mild Petroleum

Odour threshold Not Available

Chemical Properties

pH Not Available
Melting point / freezing point Not Available
Flash point > 93 °C
Evaporation rate Not Available
Flammability (solid; gas) Not Available
Lower Explosive Limit Not Available
Upper Explosive Limit Not Available
Vapour pressure Not Available
Vapour density Not Available
Relative density 0.8910
Solubility Insoluble in water
Partition coefficient:
n-octanol/water Not Available
Decomposition temperature Not Available
Viscosity (cSt) 15.00 @ 40°C

Section 10. Stability and Reactivity

Reactivity Not Available
Stability Stable
Possibility of hazardous reactions Not Applicable
Conditions to avoid Extreme Temperatures
Incompatible Materials Strong Oxidizers
Hazardous decomposition products Thermal – CO₂, CO, trace oxides of sulfur, nitrogen, phosphorus, and zinc.

Section 11. Toxicological Information

Routes of Exposure Ingestion, Inhalation, Skin/Eye Contact

Symptoms

Physical Skin/Eye contact may cause irritation or redness
Ingestion may cause discomfort, nausea, vomiting

Chemical No Available Data

Toxicological No Available Data

Exposure Effects

Delayed Effects No Available Data

Chronic Effects No Available Data

Acute Toxicity Estimates (ATE)

ATE oral (mg/kg) No Available Data

ATE dermal (mg/kg) No Available Data

ATE inhalation (mg/L) No Available Data

Section 12. Ecological Information

No Available Data.

Section 13. Disposal Considerations

No Available Data. Follow Local Regulations.

Section 14. Transport Information

Not Applicable.

Section 15. Regulatory Information

Not Applicable.

Section 16. Other Information

SDS Revision Date: 05-28-2019

SDS Number(s) 42222

Disclaimer: The information contained herein is accurate to the best of our knowledge.