



SAFETY DATA SHEET

49N ZINC FREE HVI HYDRAULIC FLUID

Revision Date: 06-28-2018

Section 1. Identification

Product Identifier

Product Name 49N Zinc Free HVI Hydraulic Fluid
Common Name Hydraulic Fluid
Product Code(s) 34532

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 Not Regulated

Physical Hazards Not Classified
Health Hazards Not Classified
Environmental Hazards Not Classified

Label Elements Not Applicable

Other Hazards Not Applicable

Section 3. Composition / Information on Ingredients

Composition

Component	Lubricant Base Oil	Additives
CAS Registry #	Various	Mixture
Concentration	95 – 99%	1 - 5%

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.
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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.
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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/m ³ (8 hours)
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Appropriate Engineering Controls

Engineering controls	Provide adequate ventilation. Use engineered ventilation to keep the airborne concentration below the recommended exposure limits.
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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	Green
Odour	Mild Petroleum
Odour threshold	Not Available

Chemical Properties

pH	Not Available
Melting point / freezing point	Not Available
Flash point	> 162 °C
Evaporation rate	Not Available
Flammability (solid; gas)	Not Available
Lower Explosive Limit	Not Available
Upper Explosive Limit	Not Available
Vapour pressure	< 0.0001 mm Hg @ 25°C
Vapour density	> 1 (Air = 1)
Relative density	0.88
Solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not Available
Decomposition temperature	Not Available
Viscosity	35 cSt @ 40°C

Section 10. Stability and Reactivity

Reactivity	Not Available
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Stability	Stable
Possibility of hazardous reactions	Not Applicable
Conditions to avoid	Not Applicable
Incompatible Materials	Strong Oxidizers
Hazardous decomposition products	Thermal – CO ₂ , CO, trace oxides of sulfur, nitrogen, and phosphorus.

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
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:	06-28-2018
SDS Number(s)	34532
Disclaimer:	The information contained herein is accurate to the best of our knowledge.