SAFETY DATA SHEET
49N HI-LO SYNTHETIC GREASE

Revision Date: 07-06-2018

Section 1. Identification

Product Identifier

Product Name	**49N HI-LO Synthetic Grease**
Common Name	**Grease**
Product Code(s)	**5404**

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: 1-800-463-0354** **Fax: 1-877-917-4949**

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	**Distillate, petroleum, hydrotreated heavy naphthenic**	**Polyaphaolefin**	**Zinc alkyldithiophosphate**	**Lithium Carboxylate**	**Proprietary**
CAS Registry #	**64742-52-5 / 64742-53-6**	**68649-42-3**	**68649-42-3**	**7620-77-1 / 18621-94-8**	
Concentration	**20 - 80%**	**10 - 20%**	**1 – 3%**	**1 - 15%**	**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 unless under the direction of medical personnel. 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**

Section 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media	**Extinguish with dry chemical, foam, carbon dioxide powder or water fog.**
Unsuitable Extinguishing Media	**N/A**

Specific Hazards Arising from the Hazardous Product

Specific hazards	**Containers can burst violently or explode when heated. Contains Hydrocarbons.**
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 handing 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 inert non-combustible material, remove 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. Ensure that wildlife is deterred from entering the contaminated area.**

Section 7. Handling and Storage

Precautions for Safe Handling

Usage precautions	**Read and follow manufacturer's recommendations. If this product is stored in high-pressure systems such as grease guns or grease lines there is a potential for accidental injection into skin and tissue. Workers should**

	be aware of the significant hazards associated with hydrocarbon injection and seek medical treatment immediately.

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. 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)**

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	**Semisolid**
Colour	**Blue**
Odour	**Mild Petroleum**
Odour threshold	**Not Available**

Chemical Properties

pH	**Not Available**
Melting point / freezing point	**Not Available**
Flash point	**245 ºC**
Evaporation rate	**Not Available**
Flammability (solid; gas)	**Not Available**
Lower Explosive Limit	**Not Available**
Upper Explosive Limit	**Not Available**
Vapour pressure	**< 1 mm Hg @ 25ºC**
Vapour density	**> 1 (Air = 1)**
Relative density	**0.89**
Solubility	**Insoluble in water**
Partition coefficient: n-octanol/water	**Not Available**
Decomposition temperature	**Not Available**
Viscosity	**NLGI Grade 2**

Section 10. Stability and Reactivity

Reactivity	**Not Available**
Stability	**Stable**
Possibility of hazardous reactions	**Not Applicable**
Conditions to avoid	**Not Applicable**
Incompatible Materials	**Strong Oxidizers**
Hazardous decomposition products	**Thermal – CO2, CO, trace oxides, Sulfur, Nitrogen, Phosphorus and/or 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**
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:	**07-06-2018**
SDS Number(s)	**5404**
Disclaimer:	**The information contained herein is accurate to the best of our knowledge.**