



SAFETY DATA SHEET

49N INDUSTRIAL EP GEAR LUBRICANTS

Revision Date: 06-01-2018

Section 1. Identification

Product Identifier

Product Name 49N Industrial EP Gear Lubricants
Common Name Gear Oil – ISO 68 / 100 / 150 / 220 / 320 / 460 / 680
Product Code(s) 31110 / 31120 / 31130 / 31140 / 31150 / 31170 / 31180

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	Highly-refined paraffinic petroleum oil	Petroleum Additives
CAS Registry #	64741-89-5 / 64741-88-4 / 64741-95-3	Mixture
Concentration	95-99%	1-5%
Note:	Not limited to these CAS Numbers	

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: Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. Move affected person to fresh air and keep warm and at rest.

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 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 (CO₂).

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, 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. 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. 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 > 196 °C

Evaporation rate < 1 (butyl acetate = 1)

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 > 17 (Air = 1)

Relative density 0.87 – 0.93

Solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not Available
Decomposition temperature	Not Available
Viscosity	61 – 1500 cSt @ 40°C

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 – CO ₂ , CO, trace oxides, Sulfur, Nitrogen, Phosphorus

Section 11. Toxicological Information

Routes of Exposure	Ingestion, Inhalation, Skin/Eye Contact
<u>Symptoms</u>	
Physical	Skin/Eye contact may cause irritation or redness Ingestion may cause discomfort
Chemical	No Available Data
Toxicological	No Available Data
<u>Exposure Effects</u>	
Delayed Effects	No Available Data
Chronic Effects	No Available Data
<u>Acute Toxicity Estimates (ATE)</u>	
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

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