

### Section 1. Identification

#### Product Identifier

Product Name 49N ADV SB HD CK4 Engine Oil  
 Common Name Diesel Engine Oil, SAE 15W40, SAE 10W30  
 Product Code(s) 12378, 12379

#### Recommended or Restricted Uses

Recommended Use Lubricant  
 Restricted Use Not Applicable

#### Canadian Supplier

Supplier 49 North Lubricants  
 6611 45<sup>th</sup> 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 Hazardous Product  
 Physical Hazards Not Classified  
 Health Hazards SERIOUS EYE DAMAGE / IRRITATION – Category 2A  
 Environmental Hazards Not Classified

#### Label Elements

Symbol   
 Signal Word Warning  
 Hazard Statements Causes serious eye irritation  
 Precautionary Statements Read label before use  
 Wear eye / face protection  
 Other Hazards Not Applicable

### Section 3. Composition / Information on Ingredients

#### Hazardous Product: Mixture

Chemical Name Phosphorodithioic Acid  
 Common Name Zinc Salts / Mixed Esters  
 CAS Registry # 113706-15-3  
 Concentration 1 - 5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 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. If skin irritation persists after washing seek medical attention.
Eye Contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Seek medical attention immediately.
Ingestion:	Do not induce vomiting. Seek medical attention immediately.

### Most Important Systems and Effects

Inhalation:	May Cause: Coughing,
Skin Contact:	May Cause: Temporary Skin Irritation
Eye Contact:	Causes serious eye irritation
Ingestion:	Irritating to mouth, throat, and stomach

### Immediate Medical Attention and Special Treatment

Note for the Doctor	Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested.
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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	Toxic fumes. Hydrocarbons. Carbon Monoxide (CO). Carbon Dioxide (CO <sub>2</sub> ).

### 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
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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. Do not breathe vapour or mist. Do not ingest. 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. 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 Not Applicable

### 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 > 205°C (closed cup)

Evaporation rate < 1 (Ether = 1)

Flammability (solid; gas) Not Available

Lower Explosive Limit Not Available

Upper Explosive Limit Not Available

Vapour pressure	< 1 mm Hg @ 25°C
Vapour density	Not Available
Relative density	0.86 – 0.89
Solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available

### 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	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological Information

Routes of Exposure	Ingestion, Inhalation, Skin/Eye Contact
<u>Symptoms</u>	
Physical	Skin/Eye contact causes irritation or redness
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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SDS Number(s) 12378, 12379

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