

# Safety Data Sheet

## Arctic Excavator Hydraulic Oil

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : Arctic Excavator Hydraulic Oil  
**Supplier** : ValPar  
PO Box 3856, Hwy #1 East  
Regina, SK S4P 3R8  
CANADA  
**Telephone** : 877-685-4886  
**Product/MSDS Information** : 306-791-5911  
**Canutec (24 hr)** : 613-996-6666



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	TLV(ACGIH)	CAS NUMBER	AMOUNT
Oil, Solvent Neutral	5mg/m3 (oil mist)	Mixture	90-95% weight
Performance Additives	Proprietary		

### 3. HAZARDS IDENTIFICATION

**Routes of Entry** : Eye Contact, Dermal, Inhalation  
**Accute Effects of Over Exposure**  
**Eye** : Contact with eyes may cause irritaion.  
**Skin** : Contact with skin may cause irritaion.  
**Ingestion** : May cause nausea and vomiting. Large quantities may effect the central nervous system.  
**Inhalation** : May cause irritation of the nose and throat.  
**Chronic Effects of Over Exposure** : No adverse effects anticipated.  
**Medical Conditions Aggravated by Exposure** : Existing dermatitis and respiratory conditions.  
**Cacingenicity** : **NTP:** No      **IARC:** No      **OSHA:** No

### 4. FIRST AID MEASURES

**Eye** : If material comes in contact with the eyes, immediately wash the eyes with large amount of water for fifteen minutes, occasionally lifting the lower and upper lids. Get medical attention.  
**Skin** : If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash skin with soap and water promptly. If irritation

- persists after washing, get medical attention.
- Ingestion** : If material has been swallowed, do not induce vomiting. Get medical attention immediately.
- Inhalation** : If person breathes in large amount of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial-respiration. Keep the person warm and at rest. Get medical attention as soon as possible.

## 5. FIRE FIGHTING MEASURES

- NFPA RATINGS** :
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- The diagram is a diamond-shaped hazard diamond. The top triangle is red and contains the number '1', labeled 'Flammability'. The bottom triangle is yellow and contains the number '0', labeled 'Reactivity'. The left triangle is blue and contains the number '1', labeled 'Health'. The right triangle is white and is empty.

### Flammable Properties

- Flashpoint** : 205 °C (400 °F) Minimum
- Autoignition** : 260 °C (500 °F) Minimum
- Flammability (Explosive) Limits** : Lower: No data available  
Upper: No data available

### Extinguishing Media

- Suitable** : Use water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray(fog) to extinguish fire.

### Protection of Fire Fighters

- Fire Fighting Instructions** : When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.
- Unusual Fire and Explosion Hazards** : Toxic fumes gases or vapors may evolve on burning.

## 6. ACCIDENTAL RELEASE MEASURES

- Spill Management** : Personal protective clothing should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil. Avoid contact with skin and eyes.

## 7. HANDLING AND STORAGE

- General Handling Information** : Store in closed container away from all ignition sources. Handling temperature should not exceed 175°F (80°C). Wash thoroughly after handling. Do not store at temperatures exceeding 113°F(45°C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Open containers carefully and only in well ventilated areas or use appropriate respiratory protection. Store in well ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal Protective Equipment

- Eye/Face Protection** : Chemical goggles or faceshield recommended to minimize eye contact.
- Skin Protection** : Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirt, chemically protective aprons and chemically protective boots are recommended for contact exposure or spill clean-up. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.
- Respiratory Protection** : Normally not required, if exposure limits are exceeded use a Niosh approved respirator. Self contained breathing apparatus is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.
- Other (Safety Showers, etc.)** : Water should be available for flushing and washing when exposure exists. Launder soiled clothes. Discard shoes or other leather articles saturated with the material.
- Engineering Controls** : Ventilate to control mists and vapors below exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Attention: the data below are typical values and do not constitute a specification.**

- Color** : Amber
- Physical State** : Liquid
- Odor** : Mild odor
- Vapor Pressure** : <1 mm Hg @ 20 °C (68 °F)
- Vapor Density (Air = 1)** : No Data Available
- Boiling Point** : No Data Available
- Solubility** : Insoluble in water
- Specific Gravity** : 0.8702
- Evaporation Rate (Ether = 1)** : <1

## 10. STABILITY AND REACTIVITY

- Chemical Stability** : This material is considered stable at room temperature and pressure.
- Conditions to Avoid** : Do not exceed handling and storage temperatures listed in MSDS Section 7 (Handling and Storage).
- Incompatibility with Other Materials** : May react with strong acids or strong oxidizing agents.
- Hazardous Decomposition Products** : Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: Magnesium, calcium, nitrogen, sulfur, carbon.
- Hazardous Polymerization** : Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Toxicity Data and Information

#### **Component Analysis - LD50/LC50**

##### **Lubricating oils, petroleum, hydrotreated spent (64742-58-1)**

Dermal LD50 Rabbit >4480 mg/kg;

Oral LD50 Rat >2000 mg/kg

##### **Residual oils (petroleum), solvent dewaxed (64742-62-7)**

Dermal LD50 Rabbit >2000 mg/kg;

Inhalation LC50 Rat 2.18 mg/L 4 h;

Oral LD50 Rat >5000 mg/kg

### Information on Likely Routes of Exposure

<b>Inhalation</b>	:	No information on significant adverse effects.
<b>Ingestion</b>	:	May be harmful if swallowed.
<b>Skin Contact</b>	:	Repeated exposure may cause skin dryness or cracking.
<b>Eye Contact</b>	:	No information on significant adverse effects.
<b>Immediate Effects</b>	:	No information on significant adverse effects.
<b>Delayed Effects</b>	:	No information on significant adverse effects.
<b>Irritation/Corrosivity</b>	:	May cause slight skin and respiratory irritation.
<b>Respiratory Sensitization</b>	:	No information available for the product.
<b>Skin Sensitization</b>	:	No information available for the product.
<b><u>Carcinogenicity</u></b>		
<b>Component Carcinogenicity</b>	:	None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.
<b>Germ Cell Mutagenicity</b>	:	No information available for the product.
<b>Teratogenicity</b>	:	No information available for the product.
<b>Reproductive Effects</b>	:	No epidemiological data is available for this product.
<b><u>Specific Target Organ Effects</u></b>		
<b>- Single Exposure</b>	:	No information on significant adverse effects.
<b><u>Specific Target Organ Effects -</u></b>		
<b>Repeated Exposure</b>	:	No information on significant adverse effects.
<b>Aspiration Hazard</b>	:	No data available.
<b><u>Medical Conditions</u></b>		
<b>Aggravated by Exposure</b>	:	Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : Toxic to aquatic life.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

#### **Lubricating oils, petroleum, hydrotreated spent (64742-58-1)**

Duration/Test/Species	Concentration/Conditions	Notes
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96 Hr LC50 Brachydanio rerio 79.6 mg/L [semi-static]  
 96 Hr LC50 Pimephales promelas 3.2 mg/L [semi-static]

**Residual oils (petroleum), solvent dewaxed (64742-62-7)**

<b>Duration/Test/Species</b>	<b>Concentration/Conditions</b>	<b>Notes</b>
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	
48 Hr EC50 Daphnia magna	>1000 mg/L	

**Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)**

<b>Duration/Test/Species</b>	<b>Concentration/Conditions</b>	<b>Notes</b>
96 Hr LC50 Pimephales promelas	1.0 - 5.0 mg/L [static]	
96 Hr LC50 Pimephales promelas	10.0 - 35.0 mg/L [semi-static]	
48 Hr EC50 Daphnia magna	1 - 1.5 mg/L	

**Persistence and Degradability** : No information available for the product.  
**Bioaccumulation Potential** : No information available for the product.  
**Mobility in Soil** : No information available for the product.  
**Other Adverse Effects** : No additional information is available.

### 13. DISPOSAL CONDITIONS

**Waste Disposal Procedures:** Place contaminated materials in a disposable container and dispose of in accordance with Local, State and Federal environmental regulations.

### 14. TRANSPORT INFORMATION

**DOT Proper Shipping Name** : Not Available    **DOT Hazard Class** : Not Available  
**DOT Identification Number** : Not Available    **DOT Emerg. Response Guide #** : Not Available

### 15. REGULATORY INFORMATION

This does not contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

**SARA Section 311-212 Hazard Categories (40 CFR 370.2)**

**Fire:** No    **Sudden Release of Pressure:** No    **Reactive:** No    **Acute:** No    **Chronic:** No

### 16. OTHER INFORMATION

**Revision Statement** : Updating Section 1  
**Revision Date** : August 9, 2018  
**Supersedes** : August 10, 2012

**Abbreviations that may have been used in this document:**

**TWA** : Time Weighted Average is the employee's average airborne exposure in any