

S.A.M.

LOW TEMPERATURE

HYDRAULIC FLUID

MATERIAL SAFETY DATA SHEET

# Material Safety Data Sheet

# SLiPS Lubricants

Trade Name: **POLAR ICE HYDRAULIC OIL**

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer **SLiPS Lubricants** MSDS Number **N/A**  
Address **146 Erie Industrial Park** CAS Number **MIXTURE**  
**Port Clinton, OH 43452**  
Phone Number **419-635-2100** Date Prepared **10/01/2005**  
Emergency # **419-543-1356** Prepared By **STANLEY SENSMEIER**  
Product Chemical Name **PETROLEUM OIL** Intended Use **Hydraulic Oil**  
**DATA CONTAINED HEREIN IS PURSUANT TO THE ANSI Z400.1 STANDARD**

## SECTION II - COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENTS CHEMICAL NAME	%V	OSHA PEL	ACGIH TLV	LIMITS
<b>Naphthenic Petroleum Oil</b>	<b>80-950%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Acrylic Polymer</b>	<b>3-10%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Proprietary Additives</b>	<b>1-3%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

## SECTION 111 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point **500\*** Specific Gravity (H<sub>2</sub>O=1) **0.88**  
Vapor Pressure **0.0 mm Hg at 70°F** Melting Point **N/A**  
Vapor Density (air =1) **>10** Evaporation Rate (Butyl Acetate=1) **0.001**  
Solubility in Water **INSOLUBLE** Water Reactive **N/A**  
PH **N/A** Appearance & Odor **AMBER or BLUE, PETROLEUM ODOR**  
VOC Content **N/A** Density **7.3 lb.**

**SECTION IV - HAZARDOUS IDENTIFICATION, FIRST AID MEASURES & EXPOSURE CONTROL**

	<b>EFFECT OF EXPOSURE</b>	<b>FIRST AID MEASURES</b>	<b>SPECIAL PROTECTION</b>
<b>EYE CONTACT</b>	Direct Contact with material or exposure to vapors may cause irritation.	For direct contact, flush eyes with water, holding eyelids apart for 15 minutes. Get medical attention if irritation or pain persists.	Wear eye protection.
<b>INHALATION</b>	High concentrations of vapor or mist may irritate the respiratory tract.	Remove to fresh air, if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing difficulties persists.	Use NOISH/MSHA approved respiratory protective equipment when concentration of vapor or mist exceeds applicable limits.
<b>INGESTION</b>	May cause throat irritation, nausea, vomiting and diarrhea. Breathing material into the lungs during ingestion or vomiting may cause lung injury.	Immediately get medical attention. DO NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into lungs.	
<b>SKIN ABSORPTION</b>	Direct contact with material or exposure to vapors is not expected to cause irritation. A single, prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or smoking.

**SECTION V - STABILITY AND REACTION**

Stability:  Stable  Unstable

Incompatibility (material to avoid): **Avoid oxidizing agents.**

Hazardous Decomposition Products: **None under normal temperatures and pressures.**

Hazardous Polymerization:  Will not occur  May occur

**SECTION IV - ACCIDENTAL RELEASE AND DISPOSAL MEASURES**

Steps to be taken in case material is released or spilled:

**Contain spill and recover free liquid by absorbing with a suitable material. Rinse spill site with clean water.**

Waste disposal method:

**Disposal of absorbent material in accordance with federal, state, and local regulations.**

**SECTION VII - HANDLING AND STORAGE**

Precautions to be taken in handling and storing:

**Store away from strong oxidizers, strong acids and alkalis. Keep container closed when not dispensing. Keep from freezing. Always wear protective equipment.**

Other Precautions:

**Good personal hygiene is important. Keep area clean and wash hands before eating.**

### SECTION VIII- FIRE FIGHTING MEASURES

Flash Point	<b>330°F</b>			
Method Used	Flammability Limits in <b>COC</b>	LEL: Air % by Vol.	UEL: <b>1%</b>	<b>10%</b>
Extinguisher Media	<b>Carbon Dioxide, dry chemical, regular foam or water spray</b>			
HMIS Rating	<b>Health 0</b>	<b>Fire 1</b>	<b>Reactivity 0</b>	<b>Specific Hazard 0</b>
Special fire Fighting Procedures	<b>Keep storage containers cool with water spray. Positive-pressure self contained breathing apparatus (SCBA) and structural firefighters protective clothing may provide limited protection.</b>			

### SECTION IX - TOXICOLOGICAL INFORMATION

Clinical test data: N/A

Carcinogens: N/A

### SECTION X - ECOLOGICAL INFORMATION

Ecological Impact data: N/A

Ecotoxicology data: N/A

### SECTION XI - TRANSPORTATION

DOT Labeling Information	Hazard Class:	WHMIS
N/A	N/A	Classification:
Proper Shipping Name:	Hazard	Packing
N/A	Identification	Group:
	Number: N/A	

### SECTION XII - REGULATION

Categories or Components under SARA Title III:

Components Listed in the TSCA Inventory:

RCRA Hazardous Waste Codes:

CERCLA Reportable Quantity: