S.A.M.

LOW TEMPERATURE

HYDRAULIC FLUID

MATERIAL SAFETY DATA SHEET
Material Safety Data Sheet

Trade Name: POLAR ICE HYDRAULIC OIL

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: SLiPS Lubricants
Address: 146 Erie Industrial Park
          Port Clinton, OH 43452
Phone Number: 419-635-2100
Emergency #: 419-543-1356

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

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

SECTION 111 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 500° Specific Gravity (H2O=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

<table>
<thead>
<tr>
<th>EFFECT OF EXPOSURE</th>
<th>FIRST AID MEASURES</th>
<th>SPECIAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EYE CONTACT</strong></td>
<td>Direct contact with material or exposure to vapors may cause irritation.</td>
<td>For direct contact, flush eyes with water, holding eyelids apart for 15 minutes. Get medical attention if irritation or pain persists.</td>
</tr>
<tr>
<td><strong>INHALATION</strong></td>
<td>High concentrations of vapor or mist may irritate the respiratory tract.</td>
<td>Remove to fresh air, if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing difficulties persists.</td>
</tr>
<tr>
<td><strong>INGESTION</strong></td>
<td>May cause throat irritation, nausea, vomiting and diarrhea. Breathing material into the lungs during ingestion or vomiting may cause lung injury.</td>
<td>Immediately get medical attention. DO NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into lungs.</td>
</tr>
<tr>
<td><strong>SKIN ABSORPTION</strong></td>
<td>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.</td>
<td>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.</td>
</tr>
</tbody>
</table>

### SECTION V - STABILITY AND REACTION

<table>
<thead>
<tr>
<th>Stability:</th>
<th><strong>X</strong> Stable</th>
<th>_ Unstable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibility (material to avoid):</td>
<td>Avoid oxidizing agents.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Decomposition Products:</td>
<td>None under normal temperatures and pressures.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td><strong>X</strong> Will not occur</td>
<td>_ May occur</td>
</tr>
</tbody>
</table>

### 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

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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 freeing. 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: 330°F
Flammability Limits in LEL: UEL:
Method Used: COC Air % by Vol. 1% 10%
Extinguisher Media: Carbon Dioxide, dry chemical, regular foam or water spray

HMIS Rating: Health 0 Fire 1 Reactivity 0 Specific Hazard 0

Special fire Fighting Procedures: Keep storage containers cool with water spray. Positive-pressure self contained breathing apparatus (SCBA) and structural firefighters protective clothing may provide limited protection.

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: N/A Hazard Class: N/A WHMIS Classification:

Proper Shipping Name: Hazard Identification Number: N/A
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:

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