Material Safety Data Sheet

Section I. GENERAL INFORMATION

Product Name: Carpol PGP-4000
Description: Polyether Polyol
Manufacturer's Name: Carpenter Co.-Chemicals Division
5016 Monument Avenue
Richmond, Virginia 23230
Information Telephone: Carpenter Co.-Chemicals Division
Emergency Telephone: Chemtrec (800) 233-0606
Chemicals Division (804) 233-0606
Preparation Date: November 5, 2001

Section II. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Exposure Limits in Air</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA(PEL)</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Section III. PHYSICAL CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°F)</td>
<td>N.Av.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>~1.02</td>
</tr>
<tr>
<td>(H₂O=1)</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;1</td>
</tr>
<tr>
<td>(mm Hg, @ 20°C)</td>
<td></td>
</tr>
<tr>
<td>Melting Point (°F)</td>
<td>N.Av.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N.Av.</td>
</tr>
<tr>
<td>(air=1)</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1</td>
</tr>
<tr>
<td>(butyl acetate=1)</td>
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</tbody>
</table>

Solubility in H₂O: Low.

Appearance and Odor: Clear colorless liquid, low odor.

Section IV. FIRE AND EXPLOSION DATA

Flash Point (°F): >200 (PMCC)
LEL: N.Av.
UEL: N.Av.

Extinguishing Media: Foam, water spray, dry chemical, CO₂.

Special Fire Fighting Procedures: Fire fighters should use positive pressure, self-contained breathing apparatus. Do not spray pool fires with direct water stream.

Unusual Fire or Explosion Hazards: None known.

Section V. REACTIVITY DATA

Stability: Stable.
Conditions to Avoid: Elevated temperatures.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None.

Section VI. HEALTH HAZARD DATA

Primary Routes of Entry: Skin and eye contact, ingestion.

Acute Health Hazards:

  Ingestion: May cause gastrointestinal discomfort.

  Inhalation: Not expected to be a hazard due to low vapor pressure.

  Skin Contact: May cause slight irritation.

  Eye Contact: May cause slight irritation.

Chronic Health Hazards: None known.

Carcinogenicity: OSHA: No NTP: No IARC: No

Symptoms of Overexposure: None known.

Medical Conditions Aggravated by Exposure: None known.

First Aid Procedures:

  Ingestion: Dilute by giving water (only if victim is conscious). Get immediate medical attention.

  Inhalation: Remove to fresh air.

  Skin Contact: Wash thoroughly with soap and water.

  Eye Contact: Rinse eyes with running water for at least 15 minutes. Get medical attention if irritation develops or persists.

Section VII. H.M.I.S. RATING

<table>
<thead>
<tr>
<th></th>
<th>Rating</th>
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<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>-</td>
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</tbody>
</table>
Section VIII. PRECAUTIONS FOR HANDLING AND USE

Steps to Be Taken in Case Material is spilled: Stop leak, dam spill and transfer liquid into a suitable container. Collect residue with absorbent and transfer into a suitable container for proper disposal.

Waste Disposal Method: Dispose of in accordance with local, state, and Federal regulations.

Handling/Storage: Store in cool dry area. Keep container closed to maintain product quality.

Other Precautions: None.

Section IX. CONTROL MEASURES

Respiratory Protection: None required in normal use.

Ventilation: General mechanical ventilation.

Skin Protection: PVC or rubber gloves.

Eye Protection: Safety glasses with side shields or chemical goggles, if there is a possibility of splashing.

Other Protection: Eye bath and safety shower.

Work/Hygiene Practices: Wash thoroughly after using.

Section X. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The ingredients of this product are listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 311/312 - Reportable Materials:

None

Section 313 - Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 (40 CFR 372):

<table>
<thead>
<tr>
<th>CAS #</th>
<th>CHEMICAL NAME</th>
<th>PERCENT BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

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