Material Safety Data Sheet

Section I. GENERAL INFORMATION

Product Name: Carpol GP4520
Description: Polyether Polyol
Manufacturer's Name: Carpenter Co.-Chemicals Division
5016 Monument Avenue
Richmond, Virginia 23230
Information Telephone: Carpenter Co.-Chemicals Division (804) 233-0606
Emergency Telephone: Chemtrec (800) 424-9300
Preparation Date: July 16, 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></td>
<td>ACGIH(TLV)</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Section III. PHYSICAL CHEMICAL CHARACTERISTICS

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

Solubility in H₂O: Low to moderate.

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: High Heat.
Incompatibility: None.
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 gastric disturbances.

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

Eye Contact: May cause slight irritation.

Skin 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). Induce vomiting. Get 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

| Health   | 1 |
| Flammability | 1 |
| Reactivity | 0 |
| Personal Protection | - |

Section VIII. PRECAUTIONS FOR HANDLING AND USE

Steps to Be Taken in Case Material is spilled: Stop leak, dam spill, and transfer liquid to a suitable container. Collect residue with absorbent and transfer to 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>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

This information must be included in all MSDS's that are copied and distributed for this material.

The data in this Material Safety Data Sheet is offered for your consideration, investigation and verification. The data is presented in good faith and was obtained from sources Carpenter believes to be reliable. Carpenter, however, makes no representation as to the completeness or accuracy. Carpenter makes no warranty, express or implied, with respect to the data contained herein.

Carpenter cannot anticipate all conditions under which this data and the product may be used. The conditions of handling, storage, use, and disposal of the product are beyond Carpenter's control. Thus, we expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information contained herein. You are advised to make your own determination as to safety, suitability and appropriate manner of handling, storage, use and disposal.

ERC - 00014