1. CORRECTIVE RESPONSE ACTIONS

- Stop discharge.
- Dilute and disperse.

2. CHEMICAL DESIGNATIONS

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 CG Compatibility Group</td>
<td>40: Glycol ethers</td>
</tr>
<tr>
<td>2.2 Formula</td>
<td>(CH₂OH)₂(CH₂CH₂)O</td>
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<tr>
<td>2.3 IMO/UN Designation</td>
<td>Currently not available</td>
</tr>
<tr>
<td>2.4 DOT ID No.:</td>
<td>Not listed</td>
</tr>
<tr>
<td>2.5 CAS Registry No.:</td>
<td>112-73-2</td>
</tr>
<tr>
<td>2.6 NAERS Guide No.:</td>
<td>Not listed</td>
</tr>
<tr>
<td>2.7 Standard Industrial Trade Classification</td>
<td>51616</td>
</tr>
</tbody>
</table>

3. HEALTH HAZARDS

3.1 Personal Protective Equipment: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

3.2 Symptoms Following Exposure: May be harmful by inhalation, ingestion and skin absorption.

3.3 Treatment of Exposure: INHALATION: Call for medical aid. If not breathing give artificial respiration. If breathing is difficult give oxygen. SKIN: Wash with soap and copious amounts of water. EYES: Flush with copious amounts of water for at least 15 minutes.

3.4 TLV-TWA: Not listed.

3.5 TLV-STEL: Not listed.

3.6 TLV-Ceiling: Not listed.

3.7 Toxicity by Ingestion: Grade 2; LD₅₀ = 3.9 g/kg rat

3.8 Toxicity by Inhalation: Currently not available.

3.9 Chronic Toxicity: Currently not available.

3.10 Vapor (Gas) Irritant Characteristics: Vapors cause moderate irritation such that personnel will find high concentrations unpleasant. The effect is temporary.

3.11 Liquid or Solid Characteristics: Causes smarting of skin and first degree burn on short exposure; may cause second degree burn on long exposure.

3.12 Odor Threshold: Currently not available.

3.13 IDLH Value: Not listed.

3.14 OSHA PEI-TWA: Not listed.

3.15 OSHA PEI-STEL: Not listed.

3.16 OSHA PEI-Ceiling: Not listed.

3.17 IDLH Value: Not listed.

4. FIRE HAZARDS

4.1 Flash Point: 118°F C.C.

4.2 Flammable Limits in Air: Currently not available.

4.3 Fire Extinguishing Agents: Water spray, dry chemical, alcohol foam.

4.4 Fire Extinguishing Agents Not To Be Used: Currently not available.

4.5 Special Hazards of Combustion: Products: Vapor may travel considerable distance to a source of ignition and flash back.

4.6 Behavior in Fire: Currently not available.

4.7 Auto-Ignition Temperature: Currently not available.

4.8 Electrical Hazards: Currently not available.

4.9 Burning Rate: Currently not available.

4.10 Adiabatic Flame Temperature: Currently not available.

4.11 Stoichiometric Air to Fuel Ratio: 80.9 (calc.)

4.12 Flame Temperature: Currently not available.

4.13 Combustion Molar Ratio (Reactant to Product): 25.0 (calc.)

4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed

5. CHEMICAL REACTIVITY

5.1 Reactivity with Water: No reaction

5.2 Reactivity with Common Materials: No reaction

5.3 Stability During Transport: Stable

5.4 Neutralizing Agents for Acids and Corrosives: Not pertinent

5.5 Polymerization: Will not occur

5.6 Inhibitor of Polymerization: Not pertinent

5.7 Specific Gravity: 0.885

6. WATER POLLUTION

6.1 Aquatic Toxicity: Currently not available.

6.2 Water/wet Toxicity: Currently not available.

6.3 Biological Oxygen Demand (BOD): Currently not available.

6.4 Food Chain Concentration Potential: Currently not available.

6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: 1 Human Contact hazard: 0 Reduction of amenities: X

7. SHIPPING INFORMATION

7.1 Grades of Purity: 99.5%

7.2 Storage Temperature: Ambient

7.3 Inert Atmosphere: Nitrogen atmosphere

7.4 Venting: Currently not available

7.5 IMO Pollution Category: D

7.6 Ship Type: Data not available

7.7 Barge Hull Type: Currently not available

8. HAZARD CLASSIFICATIONS

8.1 49 CFR Category: Not listed.

8.2 49 CFR Class: Not pertinent.

8.3 49 CFR Package Group: Not listed.

8.4 Marine Pollutant: No

8.5 NFPA Hazard Classification:

8.6 EPA Reportable Quantity: Not listed.

8.7 EPA Pollution Category: Not listed.

8.8 ROR Waste Number: Not listed

8.9 EPA FWPCA List: Not listed

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical State at 15°C and 1 atm: Liquid

9.2 Molecular Weight: 218.34

9.3 Boiling Point at 1 atm: 492.8°F = 256°C = 529.2 K

9.4 Freezing Point: −76°F = −60°C = 213.2 K

9.5 Critical Temperature: Currently not available

9.6 Critical Pressure: Currently not available

9.7 Specific Gravity: 0.885

9.8 Liquid Surface Tension: Currently not available

9.9 Liquid Water Interfacial Tension: Currently not available

9.10 Vapor (Gas) Specific Gravity: >1

9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available

9.12 Latent Heat of Vaporization: Currently not available

9.13 Heat of Combustion: Currently not available

9.14 Heat of Decomposition: Currently not available

9.15 Heat of Solution: Currently not available

9.16 Heat of Polymerization: Currently not available

9.17 Heat of Fusion: Currently not available

9.18 Limiting Values: Currently not available

9.19 Reid Vapor Pressure: Currently not available

NOTES

JUNE 1999
<table>
<thead>
<tr>
<th>Temperature (degrees F)</th>
<th>Pounds per cubic foot</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit per pound-F</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit inch per hour-square foot-F</th>
<th>Temperature (degrees F)</th>
<th>Centipoise</th>
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<table>
<thead>
<tr>
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<th>Pounds per 100 pounds of water</th>
<th>Temperature (degrees F)</th>
<th>Pounds per square inch</th>
<th>Temperature (degrees F)</th>
<th>Pounds per cubic foot</th>
<th>Temperature (degrees F)</th>
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