## ETHYLENE GLYCOL ISOPROPYL ETHER

### 1. CORRECTIVE RESPONSE ACTIONS

**Stop discharge and disperse.**

### 2. CHEMICAL DESIGNATIONS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Product Group</th>
<th>CAS Registry No.</th>
<th>DOT ID No.</th>
<th>UN/UNEP Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>E1</td>
<td>109-59-1</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

### 3. HEALTH HAZARDS

**Personal Protective Equipment:** Wear approved respirator, chemical resistant gloves, chemical safety goggles or full-face mask, boots, and apron.

**Symptoms Following Exposure:** May be harmful by inhalation, ingestion or skin absorption. May cause skin and eye irritation.

**Treatment of Exposure:** Inhalaion: Consult a physician. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Ingestion: Immediately induce vomiting. EYES: Irritate immediately with plenty of water for at least 15 minutes. SKIN: Wash with soap and water.

**TLV-TWA:** 25 ppm

**TLV-STEL:** Not listed.

**Behavior by Ingestion:** Grade 2, LD50 = 4.9 g/kg (mouse)

**Toxicity by Ingestion:** Not currently available.

**Chronic Toxicity:** Not currently available.

**Vapor (Gas) Irritant Characteristics:** Irritating to skin, may cause skin and eye irritation.

**Odor Threshold:** Currently not available.

**IDLH Value:** Not listed.

**OSHA PEL-TWA:** Not listed.

**OSHA PEL-STEL:** Not listed.

**OSHA PEL-Ceiling:** Not listed.

**EPA ACGIH:** Not listed.

### 4. FIRE HAZARDS

- **Flash Point:** 91.4°F CC
- **Flammable Limits in Air:** Currently not available
- **Behavior in Fire:** Not currently available
- **Auto Ignition Temperature:** Not currently available
- **Electrical Hazards:** Currently not available
- **Flammable Range:** Currently not available
- **Flame Temperature:** Currently not available
- **Combustion Molar Ratio (Reactant to Product):** 11.0 (calc.)
- **Minimum Oxygen Concentration for Combustion (MOCC):** Not listed

### 5. CHEMICAL REACTIVITY

- **Reactivity with Water:** No reaction.
- **Reactivity with Common Materials:** No reaction
- **Stability During Transport:** Stable.
- **Neutralizing Agents for Acids and Bases:** Currently not available.
- **Polymerization:** Will not occur.
- **Inhibitor of Polymerization:** Not currently available.

### 6. WATER POLLUTION

- **Aquatic Toxicity:** Currently not available
- **Waterfowl Toxicity:** Currently not available
- **Biological Oxygen Demand (BOD):** Currently not available
- **Food Chain Concentration Potential:** Currently not available
- **GESAMP Hazard Profile:** Not listed

### 7. SHIPPING INFORMATION

- **Grades of Purity:** 99%
- **Storage Temperature:** Ambient.
- **Inert Atmosphere:** Currently not available
- **Venting:** Currently not available
- **IMO Pollution Category:** D
- **Ship Type:** 3
- **Barge Hull Type:** 3

### 8. HAZARD CLASSIFICATIONS

- **49 CFR Category:** Not listed.
- **49 CFR Class:** Not pertinent.
- **49 CFR Package Group:** Not listed.
- **Marine Pollutant:** Not listed.

### 9. PHYSICAL & CHEMICAL PROPERTIES

- **Boiling Point at 1 atm:** 205.8°F = 91°C = 333.3 K
- **Freezing Point:** Currently not available
- **Critical Temperature:** Currently not available
- **Critical Pressure:** Currently not available
- **Specific Gravity:** Not currently available
- **Surface Tension:** Currently not available
- **Liquid Water Interfacial Tension:** Currently not available
- **Vapor Specific Gravity:** 3.59
- **Ratio of Specific Heats of Vapor (Gas):** Currently not available
- **Latent Heat of Vaporization:** Currently not available
- **Heat of Combustion:** Currently not available
- **Heat of Decomposition:** Currently not available
- **Heat of Solution:** Currently not available
- **Heat of Polymerization:** Currently not available
- **Heat of Fusion:** Currently not available

### NOTES

- **Liquid Water Interfacial Tension:** Currently not available
- **Vapor Specific Gravity:** 3.59
- **Ratio of Specific Heats of Vapor (Gas):** Currently not available
- **Latent Heat of Vaporization:** Currently not available
- **Heat of Combustion:** Currently not available
- **Heat of Decomposition:** Currently not available
- **Heat of Solution:** Currently not available
- **Heat of Polymerization:** Currently not available
- **Heat of Fusion:** Currently not available
- **Reid Vapor Pressure:** Currently not available

**JUNE 1999**
## Ethylene Glycol Isopropyl Ether (EGI)

### Saturated Liquid Density

<table>
<thead>
<tr>
<th>Temperature (°F)</th>
<th>Pounds per cubic foot</th>
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<tr>
<td></td>
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### Liquid Heat Capacity

<table>
<thead>
<tr>
<th>Temperature (°F)</th>
<th>British thermal unit per pound-F</th>
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### Liquid Thermal Conductivity

<table>
<thead>
<tr>
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<th>British thermal unit inch per hour-square foot-F</th>
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### Liquid Viscosity

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<th>Centipoise</th>
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### Solubility in Water

<table>
<thead>
<tr>
<th>Temperature (°F)</th>
<th>Pounds per 100 pounds of water</th>
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### Saturated Vapor Pressure

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### Ideal Gas Heat Capacity

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