1. Product Identification

Product Code: 2390
Product Description: Ethylene Glycol, 30%
In sealed glass ampoule

Manufactured By:
LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Hazard</th>
<th>CAS#/Name</th>
<th>%</th>
<th>PEL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>107-21-1</td>
<td>30 v/v</td>
<td>50 ppm</td>
<td>C 125 mg/cubic m as vapor</td>
</tr>
<tr>
<td></td>
<td>Ethylene Glycol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>7732-18-5</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards Overview

Primary Route Of Entry: Skin  Ingestion  Inhalation
Warning! Harmful or fatal if swallowed. Prolonged inhalation of vapor may cause headache, respiratory tract irritation. Liquid may cause allergic skin reaction or irritation to skin and eyes. Affects central nervous system.

HMIS Hazard
Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1= Slight, 0 = Least
Health: 2  Flammability: 0  Reactivity: 0

Carcinogenicity: None:

Other Health Related Comments:
Ethylene glycol is an experimental teratogen, mutagen, & reproductive effector (animal tests).
4. First Aid Measures

**Eye Contact:** Flush with water for 15 minutes.

**Skin Contact:** Flush with water. Wash with soap and water.

**Ingestion:** Induce vomiting. Drink water. Call a physician immediately.

**Inhalation:** Remove to fresh air.

5. Fire Fighting Measures

**Flash Point (Method Used):** N/A

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Dry chemical, CO2, or water spray

**Special Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazard:** N/A

6. Accidental Release Measures

Wash up with water. Mop up and flush to drain.

7. Handling & Storage

Store in cool, dry, place away from such incompatible materials as strong acids and strong oxidizers.
Product Code: 2390  Product Description: Ethylene Glycol, 30%  In sealed glass ampoule

8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection  Gloves  Lab Coat

Work/Hygienic Practices: Use with adequate ventilation and avoid contact with skin and eyes. Wash after handling.

9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Colorless Liquid</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight, sweet</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Unknown</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Unknown</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Unknown</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
</tbody>
</table>

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Contact with nitric acid or other strong oxidizers

Hazardous Decomposition Products: COx

11. Toxicological Information

Oral human LDLo: 710 mg/kg; oral rat LD50: 4700 mg/kg for ethylene glycol

Target Organs: Central Nervous System  Skin
**12. Ecological Information**

Information Not Yet Available

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**13. Disposal Considerations**

Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. Dispose according to federal, state and local regulations.

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**14. Transportation Information**

Not Regulated For Transport

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**15. Regulatory Information**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Hazard</th>
<th>USA TSCA</th>
<th>Europe EC</th>
<th>--- Canada ---</th>
<th>Australia</th>
<th>Japan</th>
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</thead>
<tbody>
<tr>
<td>Ethylene Glycol</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Distilled Water</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
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</table>

**Chemical Inventory Status**

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<tr>
<th>Ingredient</th>
<th>--- SARA 302 ---</th>
<th>-------- SARA 313 --------</th>
<th>CERCLA</th>
<th>RCRA 261.33</th>
<th>TSCA 8(D)</th>
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</thead>
<tbody>
<tr>
<td>107-21-1 Ethylene Glycol</td>
<td>RQ No</td>
<td>TPQ No</td>
<td>Listed Yes</td>
<td>No</td>
<td>No</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Chemical Category No</td>
<td>RCRA 5000</td>
<td>No</td>
</tr>
<tr>
<td>7732-18-5 Distilled Water</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
**Product Code:** 2390  
**Product Description:** Ethylene Glycol, 30%  
In sealed glass ampoule

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactivity</th>
<th>Hazchem Code</th>
<th>Poison Schedule</th>
<th>This MSDS Is WHMIS Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-21-1 Ethylene Glycol</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td></td>
</tr>
<tr>
<td>7732-18-5 Distilled Water</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td></td>
</tr>
</tbody>
</table>

**product 2390 as a whole**  
Yes Yes No No No None Allocated None Allocated Yes

--- **SARA 311/312 ---**

--- **Australia ---**

**16. Other Information**

Do not open or break sealed glass ampoule

**Prepared By:** IP, Regulatory Affairs Department  
**Revised:** 10/13/2006