Material Safety Data Sheet

Section I

Manufacturer's Name: M. Grumbacher, Inc.

Emergency Telephone Number: (609) 655-8282

Address: 30 Engelhard Drive

Telephone Number for Information: (609) 655-8282

Cranbury, N.J. 08512

Date Prepared: July 23, 1991

Signature of Prepared: (optional)

Section II — Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Component</th>
<th>Specific Chemical Identity</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended % (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>100ppm</td>
<td></td>
<td>87.5</td>
</tr>
<tr>
<td>2-Ethoxyethylacetate</td>
<td>111-15-9</td>
<td>100ppm</td>
<td></td>
<td>8.75</td>
</tr>
</tbody>
</table>

HMIS (Xylene)

Health: 2

Flammability: 3

Reactivity: 0

Section III — Physical/Chemical Characteristics

Boiling Point: 282 F

Specific Gravity (H₂O = 1): 0.9

Vapor Pressure (mm Hg): N.A

Melting Point: N.A

Vapor Density (AIR = 1): 3.7

Evaporation Rate (Butyl Acetate = 1): Faster

Solubility in Water: Immiscible

Appearance and Odor: Clear liquid, sweet odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used): 81-90 F

Flammable Limits: LEL 1.0%, UEL 7.0%

Extinguishing Media: Foam, CO₂, dry chemical

Special Fire Fighting Procedures: Water spray may be used to reduce the rate of burning & cooling containers

Unusual Fire and Explosion Hazards: None
**Section V - Reactivity Data**

<table>
<thead>
<tr>
<th>Conditions to Avoid</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>x Heat, open flame</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hot surfaces</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Incompatible Materials to Avoid**

- CO, CO₂

**Hazardous Polymerization**

- May Occur: N.A
- Will Not Occur: N.A

**Section VI - Health Hazard Data (Xylene)**

- Ingestion? Yes
- Inhaled? Yes
- Unk.
- Health Hazards: Toxic: vapors in high concentration are anesthetic.

**Carcinogenicity**

- NTP: Unk.
- UAPC Monograph: Unk.
- OSHA Prioritize: Unk.

**Sens and Symptoms of Exposure**

- Headache, dizziness, nausea, loss of consciousness

**Emergency and First Aid Procedures**

- Flush skin/eyes with plenty of water. Get medical attention. If inhaled—remove to fresh air. If swallowed, call physician immediately.

**Section VII - Precautions for Safe Handling and Use**

- Keep cool

**Waste Disposal Method**

- Landfill according to appropriate regulations

**Precautions to Be Taken in Handling and Storing**

- No open flames, no smoking

**Section VIII - Control Measures**

- Air supplied mask for concentrations above 100 ppm.

**Ventilation**

- Local Exhaust: None
- Mechanical (General): None
- Other: None

**Protective Gloves**

- Impervious gloves
- Eye Protection: Chemical splash goggles

**Other Protective Clothing or Equipment**

- Apron