Section 1 - Chemical Product and Company Identification

PRODUCT NAME: Polyethylene Glycol 400 Dimethacrylate
CAS NUMBER: 25852-47-5
CHEMICAL NAME: Same
MSDS NUMBER: 9075

MONOMER-POLYMER & D AJAC LABORATORIES
4667 SOMERTON RD.
TREVOSE, PA  19053

EMERGENCY TELEPHONE NUMBER (CHEMTREC): (800) 424-9300 or (703) 527-3887
INFORMATION TELEPHONE NUMBER: (215) 364-1155

PREPARED BY: Michael A. Burns March 9, 2011
SUPERSEDES: 3-8-2001

Section 2 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>HAZARDOUS COMPONENT</th>
<th>NTP</th>
<th>IARC</th>
<th>SUB-PART Z</th>
<th>SARA 313</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>25852-47-5</td>
<td>Polyethylene Glycol 400 Dimethacrylate</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
<td>95%</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

ROUTE(S) OF ENTRY: Eyes, skin, inhalation and ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC):

EYES: No hazard expected in normal use.
SKIN: No hazard expected in normal use.
INHALATION: No hazard expected in normal use.
INGESTION: No hazard expected in normal use.
Section 4 - First Aid Measures

EYE CONTACT: Remove contact lenses immediately. Wash with copious amounts of water for at least 15 minutes. Do not rub eyes. Seek medical attention immediately.

SKIN CONTACT: Wash thorouglly with soap and water. Remove contaminated clothing. If symptoms persist, call a physician.

INHALATION: Move to fresh air. Seek medical attention.

INGESTION: If swallowed, immediately drink a large quantity of water and call a physician.

Section 5 - Fire-Fighting Measures

FLASH POINT: 221°F
FLAMMABLE LIMITS: N/D
LEL: N/D
UEL: N/D

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide. Water fogs should be used to cool containers exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire-exposed containers with water. Use self-contained breathing apparatus in confined areas.

UNUSUAL FIRE FIGHTING PROCEDURES: N/D

Section 6 - Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FOR LARGE SPILLS: Ventilate area. Add dry material to absorb spill (If large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

FOR SMALL SPILLS: Pick up with flame retardant treated absorbant and dispose of according to all applicable regulations.

Section 7 - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use safety goggles and chemical resistant rubber gloves and clothes. Wear appropriate NIOSH/MSHA-approved respirator with organic vapor cartridge N/A with local exhaust. Store in a tightly closed container in a dry, cool(<30°C (86°F)) area. Avoid initiators, heat or UV-light. Avoid contact with the material. Avoid prolonged or repeated exposure. Lab should equipped
with a safety shower and an eye wash station. Wash thoroughly after handling material. Keep away from heat and open flames. Material should only be handled by qualified, experienced professionals.

OTHER PRECAUTIONS: Store at the temperature below 86°F. Avoid exposure to sunlight and Ultra-violet.

### Section 8 - Exposure Controls / Personal Protection

**VENTILATION REQUIREMENTS:** Ventilation should be designed in accordance with good engineering practices.

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** Wear appropriate NIOSH/MSHA-approved respirator with organic vapor cartridge N/A with local exhaust.

**EYE PROTECTION:** Splashproof goggles or face shield (ANSI Z87.1 or approved equivalent).

**DERMAL PROTECTION:** Protect all exposed skin from contact. Use gloves or neoprene or other chemically inert material. Use chemically resistant apron or other chemically impervious clothing to avoid prolonged or repeated skin contact.

**OTHER:** Eyewash and safety showers should be available in areas where this product is handled.

### Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>SOLUBILITY IN WATER:</th>
<th>Miscible</th>
<th>SPECIFIC GRAVITY (H₂O =1)</th>
<th>1.08 @ 39.2°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE AND ODOR:</td>
<td>Light yellow liquid with slight ester-like odor</td>
<td>MELTING POINT:</td>
<td>&lt; 0°C</td>
</tr>
<tr>
<td>BOILING POINT:</td>
<td>&gt; 200°C @ 1.3 mbar</td>
<td>PH @ 10.0%:</td>
<td>3.4</td>
</tr>
</tbody>
</table>

### Section 10 - Stability and Reactivity

**STABILITY:** Stable under normal storage conditions.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon monoxide, carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**INCOMPATIBILITY:**

**CONDITIONS TO AVOID:** High temperature. Polymerization may be initiated by contamination with peroxides, azo compounds, heavy metal ions, tertiary amines, sulfur compounds. Polymerization is also induced by light. Atmospheric oxygen saturation of acrylic/methacrylic monomers is necessary for stability. Ultraviolet light.
Section 11 - Toxicological Information

<table>
<thead>
<tr>
<th>ACUTE EYE EFFECTS:</th>
<th>N/D</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE DERMAL EFFECTS:</td>
<td>N/D</td>
</tr>
<tr>
<td>ACUTE INHALATION EFFECTS:</td>
<td>N/D</td>
</tr>
<tr>
<td>ACUTE ORAL EFFECTS:</td>
<td>LD50 (rat) = &gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Section 12 - Ecological Information

No information available

Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD: If reclamation is not possible, dispose of material in accordance with all Federal, State and Local regulations.

Section 14 - Transport Information

DOT TRANSPORTATION DATA*:

| PROPER SHIPPING NAME: | N/A |
| HAZARD CLASS: | N/A |
| IDENTIFICATION NUMBER: | Not regulated |
| PACKING GROUP: | N/A |
| LABEL: | N/A |
| SPECIAL PROVISIONS: | N/A |

*Contact Monomer-Polymer & Dajac Labs for information.

Section 15 - Regulatory Information

CERCLA REPORTABLE QUANTITY: Not listed

RCRA STATUS: Not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes.

SARA TITLE III STATUS:
SECTION 311/312: Not listed.
SECTION 313: Not listed.

Consult MPD Labs for instruction
ADDITIONAL MANUFACTURER WARNINGS:

Store only in closed, properly labeled containers.

Do not use cutting or welding torches on drums which contained this product unless they have been properly cleaned and purged.

Use only with adequate ventilation.

Do not eat, drink or smoke in work areas. Wash hands with soap and water prior to eating or using toilet facilities and at the end of the work shift. Launder contaminated clothing prior to reuse.

OTHER PRECAUTIONS AND COMMENTS: N/E

PREVIOUS REVISION DATE: N/E

N/A = Not Applicable
N/D = Not Determined
N/E = Not Established
S = Suspected
ST = Short Term Exposure Limit

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**** END MSDS ****