Section 1: Chemical Product and Company Identification

Cat#: 02487
Part Name: 2-METHOXYETHYL ACRYLATE
Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976 USA
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

Section 2: Hazards Identification

Hazard Overview

Combustible.
Harmful if inhaled.
Harmful if swallowed.
May cause adverse reproductive effects.
Toxic if absorbed through skin.
Toxic to fish and other water organisms.

GHS Classification

Acute Toxicity Inhalation Category 5
Acute Toxicity Oral Category 4
Flammable Liquids Category 4
Reproductive Toxicity Category 2
Skin Corrosion Category 1C

Signal word: Danger
Section 3: Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>Item#</th>
<th>Name</th>
<th>EINECS</th>
<th>CAS#</th>
<th>% in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2-Propenoic acid, 2-methoxyethyl ester</td>
<td>221-499-3</td>
<td>0003121617</td>
<td>95-100</td>
</tr>
<tr>
<td>2</td>
<td>4-Methoxyphenol</td>
<td>205-769-8</td>
<td>0000150765</td>
<td>0 - 5</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.
If breathing is difficult, contact emergency personnel.
If swallowed, wash out mouth with water if person is conscious.
Remove contaminated clothing.
Remove to fresh air.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: 140  
Method: no data  
UEL: no data  
LEL: 1.6 vol %  
Autoignition temperature, deg. F.: 402 C  
Flammability Classification: IIIA  
Flame Propagation Rate: no data  
Hazardous Combustion Products: carbon dioxide

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.
Contain spilled liquids.
Prevent contact with combustible materials.
Protect personnel from exposure.
Remove ignition sources.
Ventilate the area.

Section 7: Handling and Storage

Keep away from heat and flame.
Keep away from sources of ignition.
Store at 4 deg. C.
Store in a tightly closed container.
Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

| Formula | C6H10O3 |
| Formula Weight | 130.2 |
| boiling point | 66-67 C/16 mm |
| melting point | <30 C |
| solubility | 116 g/L @ 20 C |
| appearance | colorless liquid, ester type odor |

Section 10: Stability and Reactivity

Chemical Stability: stabilized with 4-methoxyphenol

Conditions to Avoid: high temperatures, flames and sparks. Direct sunlight or other strong light.

Incompatibility with other materials: Oxidizing agents. Strong reducing agents. Peroxides and other free-radical initiators

Hazardous Decomposition Products: carbon monoxide

Hazardous Polymerization: may occur

Section 11: Toxicological Information

Acute Data:
- LD50 oral-rat: 816 mg/kg
- LD50 skin-rat: 250 mg/kg
- LC50 ihl-rat: 500 ppm/4H (2.7 mg/L/4H)

Subchronic data: No data

Section 12: Ecological Information

Expected to be toxic to aquatic organisms.

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Waste Code</th>
<th>Regulated Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>not listed</td>
<td>not listed</td>
</tr>
<tr>
<td>0003121617</td>
<td>not listed</td>
<td>not listed</td>
</tr>
</tbody>
</table>

Section 14: Transportation Data

| Proper Shipping Name | TOXIC LIQUIDS, FLAMMABLE, ORGANIC, N.O.S. |
| Chemical Name | 2-METHOXYETHYL ACRYLATE |
| UN | UN2929 |
| Class | 6.1 |
Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>0003121617</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

<table>
<thead>
<tr>
<th>CAS#</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>not listed</td>
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<tr>
<td>0003121617</td>
<td>not listed</td>
</tr>
</tbody>
</table>

SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Regulated name</th>
<th>de minimis conc. %</th>
<th>Rep. Thres.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>not listed</td>
<td>not listed</td>
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<td>0003121617</td>
<td>not listed</td>
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</tr>
</tbody>
</table>

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Regulated name</th>
<th>TPQ (pounds)</th>
<th>EHS-RQ(pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>not listed</td>
<td>not listed</td>
<td>not listed</td>
</tr>
<tr>
<td>0003121617</td>
<td>not listed</td>
<td>not listed</td>
<td>not listed</td>
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</tbody>
</table>

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Regulated name</th>
<th>RQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000150765</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>0003121617</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Section 16: Other Information

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END OF MSDS