Material Safety Data Sheet

Section 1: Chemical Product and Company Identification
Cat#: 16664
Part Name: POLY(ETHYLENE GLYCOL)(n)MONOMETHYLEETHER MONOMETHACRYLATE n=200
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
Causes skin and eye burns.
Harmful if inhaled or absorbed through skin.
May cause allergic skin reaction.
Unstable (reactive) on depletion of inhibitor. Polymerization may cause heat, pressure and rupturing of container.

GHS Classification
Acute Oral Toxicity Cat 4, Acute Inhalation Cat 4
Serious Eye Damage Cat 1C, Skin Corrosion Cat 1C, Eye Irritation Cat 2B
Skin Sensitizer Category 1B

Signal word: Danger

Hazard and Precautionary Statements
EUH044 Risk of explosion if heated under confinement.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P280A Wear protective gloves
P285 In case of inadequate ventilation wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305B IF IN EYES, Separate eyelids with finger tips.
P313 Get medical advice/attention.
P351 Rinse cautiously with water for several minutes.
NFPA Rating

Section 3: Composition/ Information on Ingredients
Note: Items listed with a CASRN... number have no CAS# available.

<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>4-Methoxyphenol</td>
<td>205-769-8</td>
<td>0000150765</td>
<td>unknown</td>
</tr>
<tr>
<td>2</td>
<td>Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-</td>
<td>204-881-4</td>
<td>0000128370</td>
<td>unknown</td>
</tr>
<tr>
<td>3</td>
<td>Poly(ethylene glycol) (n) monomethyl ether monomethacrylate</td>
<td>Unknown</td>
<td>0026915720</td>
<td>95-100</td>
</tr>
</tbody>
</table>
Section 4: First Aid Measures

Contact medical personnel.
Flush eyes with flowing water for at least 15 minutes.
If swallowed, wash out mouth with water if person is conscious.
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.: >250  Method: COC
UEL: no data  LEL: no data  Autoignition temperature, deg. F.: no data
Flammability Classification: nap  Flame Propagation Rate: no data
Hazardous Combustion Products: none

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.

No special measures are indicated.

Section 7: Handling and Storage

Store at 4 deg. C.

Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

<table>
<thead>
<tr>
<th>CAS#</th>
<th>IDLH: NE</th>
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<th>IDLH: --</th>
<th>CAS#</th>
<th>IDLH: NE</th>
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</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>NE</td>
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<td>NE</td>
<td>OSHA</td>
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</tr>
<tr>
<td>ACGIH</td>
<td>NE</td>
<td>ACGIH</td>
<td>NE</td>
<td>ACGIH</td>
<td>NE</td>
</tr>
</tbody>
</table>

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 chemical splash goggles and face shield.
Use latex or equivalent 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: (C2H4O)nC5H8O2  vapor pressure: no data
Formula Weight: no data  vapor density: no data
boiling point: no data  Specific gravity: 1.08
melting point: 32  pH: no data
solubility: soluble  appearance: clear pale yellow liquid mild

Section 10: Stability and Reactivity
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Chemical Stability: unstable

Conditions to Avoid: heat, UV light

Incompatibility with other materials: metals, amines, oxidizers

Hazardous Decomposition Products: none

Hazardous Polymerization: may occur

Section 11: Toxicological Information

Acute Data: no data

Subchronic data: no data

Section 12: Ecological Information

no data

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>0000128370</td>
<td>not listed</td>
<td>not listed</td>
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<tr>
<td>0000150765</td>
<td>not listed</td>
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<td>0026915720</td>
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<td>not listed</td>
</tr>
</tbody>
</table>

Section 14: Transportation Data

Proper Shipping Name: NOT REGULATED

Chemical Name: NOT REGULATED

Class: UN

PG

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>0000128370</td>
<td>no</td>
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<tr>
<td>0000150765</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>0026915720</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>Regulated name</th>
<th>de minimis conc. %</th>
<th>Rep. Thres.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000128370</td>
<td>not listed</td>
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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.
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>
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<tbody>
<tr>
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<td>not listed</td>
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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>
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<th>RQ (pounds)</th>
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<tbody>
<tr>
<td>0000128370</td>
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**Section 16: Other Information**

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END OF MSDS