Section 1: Chemical Product and Company Identification
Cat#: 00627
Part Name: POLYACRYLIC ACID 25% SOLIDS IN WATER MW 50000
Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976
Telephone #215-343-6484

Section 2: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Item#</th>
<th>Name</th>
<th>CAS#</th>
<th>% in Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Polycarboxylic acid</td>
<td>CASRNZ12620</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>Water</td>
<td>007732185</td>
<td>75</td>
</tr>
</tbody>
</table>

OSHA (ACGIH) Exposure Limits

<table>
<thead>
<tr>
<th>CAS#</th>
<th>TWA</th>
<th>STEL</th>
<th>CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>007732185</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>CASRNZ12620</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

OSHA: NE NE NE NE NE NE
ACGIH: NE NE NE NE NE NE

Section 3: Hazards Identification

Causes skin, eye and respiratory tract irritation.

Hazard Ratings:

These ratings are Polysciences' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health     Flammability     Reactivity
1----- 0 ------  0

Section 4: First Aid Measures

Contact medical personnel if discomfort persists.
Flush eyes with flowing water for at least 15 minutes.
If swallowed, give 8 oz. of water or milk to drink. Never give anything by mouth to an unconscious person. Remove to fresh air.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: no data
Method: no data
UEL: no data
LEL: no data
Autoignition temperature, deg. F.: no data
Flammability Classification: no data
Flame Propagation Rate: no data

Hazardous Combustion Products: acrylic monomers

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.
Ventilate the area.

Section 7: Handling and Storage
Store at 25 deg. C.

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 chemical splash goggles and face shield.

Section 9: Physical and Chemical Properties
Formula: mixture vapor pressure: 17 mm @ 20 C
Formula Weight: nap vapor density: <1
boiling point: 100 C Specific gravity: 1.07
melting point: 0 C ph: 1.6 to 1.8
solubility: completely soluble appearance: clear to hazy,
coloreless to green-yellow liquid

Section 10: Stability and Reactivity
Chemical Stability: stable
Conditions to Avoid: Temperatures above 230 C may cause polymer
decomposition. Incompatibility with other materials: no data
Hazardous Decomposition Products: no data
Hazardous Polymerization: will not occur

Section 11: Toxicological Information
Acute Data: LD50 Oral, rat: >5000 mg/kg
LD50 Dermal, rabbit: >3000 mg/kg
Skin irritation, rabbit: slight irritation Eye irritation, rabbit:
slight irritation
Subchronic data: no data

Section 12: Ecological Information
DAPHIA MAGNA, 48 HOUR EC50: > 1000 MG/L
Rainbow trout (Salmo gairdneri), 96 hour LC50: 520 mg/l
Bluegill sunfish (Lepomis macrochirus), 96 hour LC50: >1000 mg/l

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>007732185</td>
<td>not listed</td>
<td>not listed</td>
</tr>
<tr>
<td>CASRNZ12620</td>
<td>not listed</td>
<td>not listed</td>
</tr>
</tbody>
</table>

Section 14: Transportation Data
Refer to bill of lading or container label for DOT or other transportation
hazard classification, if any.

Section 15: Regulatory Information
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>007732185</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.

CAS#
007732185 not listed
CASRNZ12620 not listed

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>007732185</td>
<td>not listed</td>
<td>not listed</td>
<td>not listed</td>
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<tr>
<td>CASRNZ12620</td>
<td>not listed</td>
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<td>not listed</td>
</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>007732185</td>
<td>not listed</td>
<td>not listed</td>
<td>not listed</td>
</tr>
<tr>
<td>CASRNZ12620</td>
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<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>007732185</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>CASRNZ12620</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Section 16: Other Information
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