

# Safety Data Sheet

Complies with EC no. 1907/2006

Issue Date: 08/15/2018

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## Section 1: Chemical Product and Company Identification

Cat#: 15923A

Part Name: MONOMER B SOLUTION (LOWICRYL K4M)

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 respiratory tract irritation.

Causes severe skin and eye burns.

Harmful if swallowed.

May be fatal if absorbed through skin.

May cause allergic skin reaction.

### GHS Classification

Acute Toxicity Dermal Category 1

Acute Toxicity Inhalation Category 4

Acute Toxicity Oral Category 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

|           |                                                                                                                                        |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------|
| H302      | Harmful if swallowed.                                                                                                                  |
| H310      | Fatal in contact with skin.                                                                                                            |
| H314      | Causes severe skin burns and eye damage.                                                                                               |
| H317      | May cause an allergic skin reaction.                                                                                                   |
| H332      | Harmful if inhaled.                                                                                                                    |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                                                             |
| P280A     | Wear protective gloves                                                                                                                 |
| P285      | In case of inadequate ventilation wear respiratory protection.                                                                         |
| P301A     | IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.                            |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.                                                                                        |
| P305B     | IF IN EYES, Separate eyelids with finger tips.                                                                                         |
| P340      | Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                                   |
| P351      | Rinse cautiously with water for several minutes.                                                                                       |
| P361      | Remove/Take off immediately all contaminated clothing.                                                                                 |
| P501      | Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations. |

### NFPA Rating

#### 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 in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

| Health | Flammability | Reactivity |
|--------|--------------|------------|
| 2      | 1            | 2          |

## Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

| Item# | Name                       | EINECS    | CAS#       | % in product |
|-------|----------------------------|-----------|------------|--------------|
| 1     | 2-Hydroxyethyl acrylate    | 212-454-9 | 0000818611 | 21 - 30      |
| 2     | 4-Methoxyphenol            | 205-769-8 | 0000150765 | 0 - 5        |
| 3     | Hydroxypropyl methacrylate | 248-666-3 | 0027813021 | 51 - 60      |
| 4     | n-Hexyl methacrylate       | 205-521-9 | 0000142096 | 11 - 20      |

#### 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.: >200                      Method:  
 UEL: no data              LEL: no data              Autoignition temperature, deg. F.: no data  
 Flammability Classification: no data              Flame Propagation Rate: no data  
 Hazardous Combustion Products: no data

#### 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.  
 Protect personnel from exposure.  
 Use appropriate personal protective equipment.  
 Ventilate the area.

#### Section 7: Handling and Storage

Store at room temp

#### Section 8: Exposure Controls/ Personal Protection

##### OSHA (ACGIH) Exposure Limits

|                  |          | TWA          |     | STEL |       | CEILING |       |
|------------------|----------|--------------|-----|------|-------|---------|-------|
|                  |          | ppm          | mg/ | ppm  | mg/m3 | ppm     | mg/m3 |
| CAS#: 0000142096 | IDLH: NE |              |     |      |       |         |       |
| OSHA             |          | NE           | NE  | NE   | NE    | NE      | NE    |
| ACGIH            |          | NE           | NE  | NE   | NE    | NE      | NE    |
| CAS#: 0000150765 | IDLH: -- |              |     |      |       |         |       |
| OSHA             |          | Not classifi | --  | --   | --    | --      | --    |
| ACGIH            |          | --           | 5   | --   | --    | --      | --    |
| CAS#: 0000818611 | IDLH: NE |              |     |      |       |         |       |
| OSHA             |          | NE           | NE  | NE   | NE    | NE      | NE    |
| ACGIH            |          | NE           | NE  | NE   | NE    | NE      | NE    |
| CAS#: 0027813021 | IDLH: NE |              |     |      |       |         |       |
| OSHA             |          | NE           | NE  | NE   | NE    | NE      | NE    |
| ACGIH            |          | NE           | NE  | NE   | NE    | NE      | NE    |

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:        | no data  | vapor pressure:   | no data                             |
| Formula Weight: | no data  | vapor density:    | no data                             |
| boiling point:  | > 246 C  | Specific gravity: | 1.026                               |
| melting point:  | no data  | ph:               | no data                             |
| solubility:     | 10.6 g/l | appearance:       | clear colorless liquid acrylic odor |

## Section 10: Stability and Reactivity

Chemical Stability: stable  
 Conditions to Avoid: heat, UV light, free radical initiators  
 Incompatibility with other materials: oxidizing and reducing agents  
 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.

| CAS#       | Waste Code | Regulated Name |
|------------|------------|----------------|
| 0000142096 | not listed | not listed     |
| 0000150765 | not listed | not listed     |
| 0000818611 | not listed | not listed     |
| 0027813021 | not listed | not listed     |

## Section 14: Transportation Data

|                      |                                 |
|----------------------|---------------------------------|
| Proper Shipping Name | TOXIC, LIQUIDS, ORGANIC, N.O.S. |
| Chemical Name        | 2-HYDROXYETHYL ACRYLATE         |
| UN                   | UN2810                          |
| Class                | 6.1                             |
| PG                   | III                             |

## 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 identifies items which are known to the State of California to cause reproductive toxicity.

| CAS#       | Column A | Column B |
|------------|----------|----------|
| 0000142096 | no       | no       |
| 0000150765 | no       | no       |
| 0000818611 | Yes      | yes      |
| 0027813021 | no       | no       |

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

|            |            |
|------------|------------|
| CAS#       |            |
| 0000142096 | not listed |
| 0000150765 | not listed |
| 0000818611 | not listed |

0027813021 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.

| CAS#       | Regulated name | de minimis conc. % | Rep. Thres. |
|------------|----------------|--------------------|-------------|
| 0000142096 | not listed     | not listed         | not listed  |
| 0000150765 | not listed     | not listed         | not listed  |
| 0000818611 | not listed     | not listed         | not listed  |
| 0027813021 | not listed     | not listed         | not listed  |

**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.

| CAS#       | Regulated name | TPQ (pounds) | EHS-RQ(pounds) |
|------------|----------------|--------------|----------------|
| 0000142096 | not listed     | not listed   | not listed     |
| 0000150765 | not listed     | not listed   | not listed     |
| 0000818611 | not listed     | not listed   | not listed     |
| 0027813021 | not listed     | not listed   | not listed     |

**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.

| CAS#       | Regulated name | RQ (pounds) |
|------------|----------------|-------------|
| 0000142096 | Not listed     | Not listed  |
| 0000150765 | Not listed     | Not listed  |
| 0000818611 | Not listed     | Not listed  |
| 0027813021 | Not listed     | Not listed  |

**Section 16: Other Information**

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END OF MSDS