

Safety Data Sheet

Complies with EC no. 1907/2006
Issue Date: 07/23/2015

Section 1: Chemical Product and Company Identification

Page 1 of 3

Cat#: 00627

Part Name: POLYACRYLIC ACID 25% SOLIDS IN WATER MW 50 000

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, eye and respiratory tract irritation.

GHS Classification

Skin Irritant Cat 2, Acute Inhalation Cat 4, Eye Irritation Cat 2B

Signal word: Warning



Hazard and Precautionary Statements

| | |
|-------------|--|
| H302 + H312 | Harmful if swallowed or, in contact with skin or if inhaled |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P314 | Get medical advice/attention if you feel unwell. |
| P340 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P351 | Rinse cautiously with water for several minutes. |
| 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 |
| 1 | 0 | 0 |

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-Propenoic acid, homopolymer | Unknown | 0009003014 | 21 - 30 |
| 2 | Water | 231-791-2 | 0007732185 | 71 - 80 |

Section 4: First Aid Measures

Contact medical personnel if discomfort persists.

Flush eyes with flowing water for at least 15 minutes.

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.
 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

| | IDLH: NE | TWA | | STEL | | CEILING | |
|------------------|----------|-----|-----|------|-------|---------|-------|
| | | ppm | mg/ | ppm | mg/m3 | ppm | mg/m3 |
| CAS#: 0007732185 | NE | NE | NE | NE | NE | NE | NE |
| OSHA | | NE | NE | NE | NE | NE | NE |
| ACGIH | | NE | NE | NE | NE | NE | NE |
| CAS#: 0009003014 | NE | NE | NE | NE | NE | NE | 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.

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: 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, colorless 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.

| CAS# | Waste Code | Regulated Name |
|------------|------------|----------------|
| 0007732185 | not listed | not listed |
| 0009003014 | not listed | not listed |

Section 14: Transportation Data

Proper Shipping Name NOT REGULATED

Chemical Name

UN

Class

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.

| CAS# | Column A | Column B |
|------------|----------|----------|
| 0007732185 | no | no |
| 0009003014 | no | no |

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

| CAS# | |
|------------|------------|
| 0007732185 | not listed |
| 0009003014 | 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. |
|------------|----------------|--------------------|-------------|
| 0007732185 | not listed | not listed | not listed |
| 0009003014 | 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) |
|------------|----------------|--------------|----------------|
| 0007732185 | not listed | not listed | not listed |
| 0009003014 | 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) |
|------------|----------------|-------------|
| 0007732185 | Not listed | Not listed |
| 0009003014 | Not listed | Not listed |

Section 16: Other Information

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS