

Material Safety Data Sheet Issue Date: 2/12/2004  
Section 1: Chemical Product and Company Identification  
Cat#: 22581

Part Name: POLYACRYLAMIDE MW 10 000 50% SOLUTION IN WATER  
Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976  
Telephone #215-343-6484

Section 2: Composition/ Information on Ingredients

Item #	Name	CAS#	% in product
1	2-Propenamide, homopolymer	009003058	50
2	Sodium hydroxide	001310732	0.3
3	Water	007732185	50

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA	mg/m3	STEL	mg/m3	CEILING	mg/m3
001310732	10 mg/m3						
OSHA:	Not	2	--	--	--	--	--
ACGIH:	--	--	--	--	--	2	
007732185	NE						
OSHA:	NE	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE	NE
009003058	NE						
OSHA:	NE	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes eye irritation.

Hazard Ratings:

These ratings are Polysciences' Inc. own assesments 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

Health	Flammability	Reactivity
2	----- 1	----- 0

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 f Method: CC

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability no data Flame Propagation 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.

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.  
Use latex or equivalent gloves.

Section 9: Physical and Chemical Properties  
Formula: (C3H5NO)x vapor pressure: no data  
Formula Weight: no data vapor density: no data  
boiling point: > 212 F Specific gravity: 1.11  
melting point: 10 F ph: 10-13.5 15 %  
aqueous  
solubility: complete appearance: liquid

Section 10: Stability and Reactivity  
Chemical stable  
Conditions to Avoid: no data  
Incompatibility with other oxidizing agents  
Hazardous Decomposition oxides of carbon  
Hazardous will not occur

Section 11: Toxicological Information  
Acute LD50 Oral, rat: > 10 g/kg  
LC50 inhalation, rat: 3000 ppm  
LD50 skin, rabbit: >10 g/kg  
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
001310732	not listed	not listed
007732185	not listed	not listed
009003058	not listed	not listed

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.

CAS#	Column A	Column B
001310732	no	no
007732185	no	no
009003058	no	no

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

CAS#	FL	MA	MN	PA	WA
001310732					
007732185	not listed				
009003058	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.
001310732	not listed	not listed	not listed
007732185	not listed	not listed	not listed
009003058	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)
001310732	not listed	not listed	not listed
007732185	not listed	not listed	not listed
009003058	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
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Section 16: Other InformationPOLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or 001310732 Not listed Not listed

accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular 001310732 Not listed Not listed

purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular 007732185 Not listed Not listed

purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be 009003058 Not listed Not listed

responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS