

Section 1: Chemical Product and Company Identification

Cat#: 00627  
 Part Name: POLYACRYLIC ACID 25% SOLIDS IN WATER MW 50 000  
 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	Polycarboxylic acid	CASRNZ12620	25
2	Water	007732185	75

OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
007732185	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE
CASRNZ12620	NE						
	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 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 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.

CAS#	Waste Code	Regulated Name
007732185	not listed	not listed
CASRNZ12620	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
007732185	no	no

CASRNZ12620           no           no

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.

CAS#	Regulated Name	de minimis conc.	%Rep. Thres.
007732185	not listed	not listed	not listed
CASRNZ12620	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)
007732185	not listed	not listed	not listed
CASRNZ12620	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
007732185	Not listed	Not listed
CASRNZ12620	Not listed	Not listed

Section 16: Other Information

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END OF MSDS