

Material Safety Data Sheet Issue Date: 10/24/2003

Section 1: Chemical Product and Company Identification

Cat#: 06501

Part Name: POLYACRYLIC ACID 4 000 000

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	2-Propenoic acid, homopolymer	009003014	100
2	Acrylic acid	000079107	0.001
3	Benzene	000071432	0.5

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000071432	500						
	OSHA:	ACGIH;	--	5a	--	a	--
	ACGIH:	0.5	1.6	2.5	2.5	--	--
000079107	--						
	OSHA:	ACGIH;NIOS	--	--	--	--	--
	ACGIH:	2	5.9	--	--	--	--
009003014	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
2	----- 1	----- 0

Section 4: First Aid Measures

Brush off the skin.

Contact medical personnel.

Flush eyes with flowing water for at least 15 minutes.

If swallowed, wash out mouth with water if person is conscious.

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.

No special measures are indicated.

Section 7: Handling and Storage

Hygroscopic.

Keep away from light.

Purge container with nitrogen before resealing. Keep dry.

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 process enclosures, local exhaust ventilation, or other engineering controls.

Section 9: Physical and Chemical Properties

Formula: (C3H4O2)x vapor pressure: no data
Formula Weight: nap vapor density: 1.41
boiling point: nap Specific gravity: 1.4
melting point: nap ph: 2.5-3.0 @ 1% H2O
solubility: appreciable appearance: white powder

Section 10: Stability and Reactivity

Chemical Stability: stable

Conditions to Avoid:

Incompatibility with other materials: Heat may be generated if material comes in contact with strong basic material.

Hazardous Decomposition Products:

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: Acute oral LD50 rat: > 2.5 g/kg

Acute dermal LD50 rabbit: >3 g/kg

Subchronic 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
000071432	D018,U019	Benzene
000079107	U008	Acrylic acid
009003014	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
000071432	Yes	no
000079107	no	no
009003014	no	no

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

CAS#						
000071432	FL	MA	MI	MN	PA	WA
000079107	FL	MA	MN	PA	WA	
009003014	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.
000071432	Benzene	0.1	not listed	
000079107	Acrylic acid	1.0	not listed	
009003014	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)
000071432	not listed	not listed	not listed
000079107	not listed	not listed	not listed
009003014	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
000071432	Not listed	Not listed
000079107	Not listed	Not listed
009003014	Not listed	Not listed

Section 16: Other Information

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END OF MSDS