

Material Safety Data Sheet Issue Date: 11/04/2003

Section 1: Chemical Product and Company Identification

Cat#: 21296

Part Name: POLY(ETHYLENE OXIDE) MW 8 000 000

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	Ammonia	007664417	0.2
2	Ethylene oxide	000075218	0.004
3	Monoethylamine	000075047	0.2
4	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	000128370	1
5	Poly(ethylene oxide)	025322683	100
6	Untreated fumed silica	112945525	3

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	ppm	TWA mg/m3	STEL mg/m3	CEILING ppm	mg/m3
000075047	600					
OSHA:	ACGIH	18	--	--	--	--
ACGIH:	5	9.2	15	15	--	--
000075218	800					
OSHA:	Not	--	--	--	--	--
ACGIH:	1	1.8	--	--	--	--
000128370	NE					
OSHA:	ACGIH	--	--	--	--	--
ACGIH:	--	2a	--	--	--	--
007664417	300					
OSHA:	Not	35	--	--	--	--
ACGIH:	25	17	35	35	--	--
025322683	NE					
OSHA:	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE
112945525	NE					
OSHA:	NE	NE	NE	NE	NE	NE
ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Causes eye irritation.

Powdered material may form explosive dust-air mixtures.

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
0	----- 1	----- 0

Section 4: First Aid Measures

Brush off the skin.

Flush eyes with flowing water for at least 15 minutes.

If swallowed, induce vomiting as directed by medical personnel.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

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

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

Section 9: Physical and Chemical Properties

Formula: $(CH_2CH_2O)_x$ vapor pressure: no data
Formula Weight: no data vapor density: no data
boiling point: no data Specific gravity: 0
melting point: 143 ph: no data
solubility: no data appearance: white powder

Section 10: Stability and Reactivity

Chemical Stability: stable
Conditions to Avoid: none
Incompatibility with other materials: none
Hazardous Decomposition Products: none
Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: LD50 oral rat >4.0 g/kg
Subchronic data: no data

Section 12: Ecological Information

Daphnia LC50 48 h 7550 mg/L; Fathead minnow LC50 96 h > 10000 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
000075047	not listed	not listed
000075218	U115	Oxirane
000128370	not listed	not listed
007664417	not listed	not listed
025322683	not listed	not listed
112945525	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

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
000075047	no	no
000075218	Yes	Yes
000128370	no	no
007664417	no	no
025322683	no	no
112945525	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
000075047	FL	MA	MN	PA	
000075218	FL	MA	MI	MN	PA WA
000128370	FL	MA	MN	PA	WA
007664417	FL	MA	MN	PA	WA
025322683	MN				
112945525	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.
000075047	not listed	not listed	not listed	
000075218	Ethylene oxide	0.1	not listed	
000128370	not listed	not listed	not listed	
007664417	Ammonia (includes anhydrous ammonia and aqueous		1.0	not listed
025322683	not listed	not listed	not listed	
112945525	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)
000075047	not listed	not listed	not listed
000075218	Ethylene oxide	1,000	10
000128370	not listed	not listed	not listed
007664417	Ammonia	500	100
025322683	not listed	not listed	not listed
112945525	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
000075047	Not listed	Not listed
000075218	Not listed	Not listed
000128370	Not listed	Not listed
007664417	Not listed	Not listed
025322683	Not listed	Not listed
112945525	Not listed	Not listed

Section 16: Other Information

No specific antidote. Treat to control symptoms. 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