

# Material Safety Data Sheet

Issue Date: 3/28/2007

Page 1 of 3

## Section 1: Chemical Product and Company Identification

Cat#: 04030

Part Name: POLY(ETHYLENE OXIDE) MW 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	Ammonia	007664417	0.02
2	Ethylene oxide	000075218	proprietary
3	Monoethylamine	000075047	0.02
4	Poly(ethylene oxide)	025322683	100

## OSHA (ACGIH) Exposure Limits

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

## Section 3: Hazards Identification

Causes eye irritation.

Causes respiratory tract irritation.

Powdered material may form explosive dust-air mixtures.

### 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 4: First Aid Measures

Brush off the skin.

Contact medical personnel if discomfort persists.

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.: no data

Method: no data

UEL: no data LEL: no data

Autoignition temperature, deg. F.: 536

Flammability Classification: no data

Flame Propagation Rate: no data

Hazardous Combustion Products: none

**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 room temp

**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:	(CH2CH2O)x	vapor pressure:	no data
Formula Weight:	no data	vapor density:	no data
boiling point:	no data	Specific gravity:	0
melting point:	no data	ph:	no data
solubility:	no data	appearance:	white powder

**Section 10: Stability and Reactivity**

Chemical Stabilit 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 g/Kg; LD50 percutaneous rat occluded contact >2 g/Kg

Subchronic data: no data

**Section 12: Ecological Information**

LC50 Daphnia 48 h 7550 mg/L; Fathead Minnow 96 h > 10000mg/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
007664417	not listed	not listed
025322683	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
000075047	no	no
000075218	Yes	000075218
007664417	no	no
025322683	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	NJ	PA
000075047					

000075218	FL	MA	MI	MN	NJ	PA
WA						
007664417	FL	MA	MN	NJ	PA	WA
025322683	MN					

**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
007664417	Ammonia (includes anhydrous ammonia and aqueous amm	1.0	not listed
025322683	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
007664417	Ammonia	500	100
025322683	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
007664417	Not listed	Not listed
025322683	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS