

Material Safety Data Sheet Issue Date: 3/3/2004
 Section 1: Chemical Product and Company Identification
 Cat#: 15648
 Part Name: POLY (ETHYLENE GLYCOL) MW 5000 (NOMINAL) Mw/Mn 1.05
 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	1,4-Dioxane	000123911	0.001
2	Acetaldehyde	000075070	0.001
3	Ethylene oxide	000075218	0.001
4	Formaldehyde	000050000	0.001
5	Poly(ethylene oxide)	025322683	100

OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000050000	20						
	OSHA:	Not	--	2/15	NE	--	--
	ACGIH:	--	--	--	--	0.3 c	0.37
000075070	2,000						
	OSHA:	Not	360	--	--	--	--
	ACGIH:	--	--	--	--	25	45
000075218	800						
	OSHA:	Not	--	--	--	--	--
	ACGIH:	1	1.8	--	--	--	--
000123911	500						
	OSHA:	ACGIH;CA	360	--	--	--	--
	ACGIH:	20	72	--	--	--	--
025322683	NE						
	OSHA:	NE	NE	NE	NE	NE	NE
	ACGIH:	NE	NE	NE	NE	NE	NE

Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

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

Section 4: First Aid Measures

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.: 375 Method: PMCC

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data
Flammability nap Flame Propagation 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 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.
No special protection is indicated.

Section 9: Physical and Chemical Properties

Formula: (C2H4O)nH2O vapor pressure: <0.01
Formula Weight: 600 vapor density: >10
boiling point: >392 Specific gravity: 1.128
melting point: 68 ph: no data
solubility: 100% appearance: opaque white solid or colorless liquid

Section 10: Stability and Reactivity

Chemical stable
Conditions to Avoid: none
Incompatibility with other none
Hazardous Decomposition none
Hazardous will not occur

Section 11: Toxicological Information

Acute no data
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
000050000	U122	Formaldehyde
000075070	U001	Ethanal
000075218	U115	Oxirane
000123911	U108	1,4-Dioxane
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
000050000	Yes	no
000075070	Yes	no
000075218	Yes	Yes
000123911	Yes	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	MI	MN	PA	WA
000050000	FL	MA	MI	MN	PA	WA
000075070	FL	MA	MN	PA	WA	
000075218	FL	MA	MI	MN	PA	WA
000123911	FL	MA	MI	MN	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.
000050000	Formaldehyde	0.1	not listed
000075070	Acetaldehyde	0.1	not listed
000075218	Ethylene oxide	0.1	not listed
000123911	Dioxane	0.1	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)
000050000	Formaldehyde	500 100	
000075070	not listed	not listed	not listed
000075218	Ethylene oxide	1,000 10	
000123911	not listed	not listed	not listed
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
000050000	Not listed	Not listed

000075070	Not listed	Not listed
000075218	Not listed	Not listed
000123911	Not listed	Not listed
025322683	Not listed	Not listed

Section 16: Other Information

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END OF MSDS