

# Material Safety Data Sheet

Issue Date: 3/28/2007

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## Section 1: Chemical Product and Company Identification

Cat#: 04398

Part Name: POLY(VINYL ALCOHOL) 88 MOL % HYDROLYZED MW ~125 000HYDROLYZED MW ~125 000

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	Acetic acid, sodium salt	000127093	3
2	Methanol	000067561	1
3	Poly(vinyl alcohol) partially hydrolyzed	025213245	92
4	Water	007732185	5

## OSHA (ACGIH) Exposure Limits

	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 000067561	IDLH: 6,000						
OSHA		ACGIH;CA	260	--	--	--	--
ACGIH		200	262	250	250	--	--
CAS#: 000127093	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 007732185	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 025213245	IDLH: 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.

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
1	1	0

## Section 4: First Aid Measures

Brush off the skin.

Contact medical personnel immediately.

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:

UEL: no data LEL: 0.00008 g/cm3 Autoignition temperature, deg. F.: no data

Flammability Classification: no data Flame Propagation Rate: no data

Hazardous Combustion Products: aldehydes

**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.

No special protection is indicated.

**Section 9: Physical and Chemical Properties**

Formula:	(C4H6O2.C2H4O)x	vapor pressure:	no data
Formula Weight:	nap	vapor density:	no data
boiling point:	no data	Specific gravity:	0
melting point:	392	ph:	no data
solubility:	soluble	appearance:	white to off-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 23854 mg/Kg; LD50 dermal rabbit >7490 mg/Kg  
Subchronic data: no data

**Section 12: Ecological Information**

LC50 Bluegill >10000 mg/L (96 hour); LC50 Cerio daphnia 7.9 g/L 48 hour; COD 1800 mg/g; BOD5=0-5%; BOD30=100%

**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
000067561	U154	Methyl alcohol
000127093	not listed	not listed
007732185	not listed	not listed
025213245	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
000067561	no	no
000127093	no	no
007732185	no	no
025213245	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	WA
000067561						

000127093 not listed  
 007732185 not listed  
 025213245 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.
000067561	Methanol	1.0	not listed
000127093	not listed	not listed	not listed
007732185	not listed	not listed	not listed
025213245	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)
000067561	not listed	not listed	not listed
000127093	not listed	not listed	not listed
007732185	not listed	not listed	not listed
025213245	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)
000067561	Not listed	Not listed
000127093	Not listed	Not listed
007732185	Not listed	Not listed
025213245	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS