

# Material Safety Data Sheet

Issue Date: 11/28/2006

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## Section 1: Chemical Product and Company Identification

Cat#: 04672

Part Name: POLY VINYL FORMAL SOLUTION

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	1,2-Dichloroethane	000107062	99.5
2	Poly(vinyl formal)	009003332	5

## OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
000107062	50	Not classifi	NE	200/5 mi	--	100a	--
OSHA							
ACGIH		10	40	--	--	--	--
009003332	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.  
Flammable liquid and vapor.  
Harmful if inhaled, absorbed through skin or swallowed.  
Suspect cancer hazard.

### 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	3	0

## Section 4: First Aid Measures

Contact medical personnel if discomfort persists.  
Contact medical personnel.  
Flush eyes with flowing water for at least 15 minutes.  
If swallowed, wash out mouth with water if person is conscious.  
Remove to fresh air.  
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.: 60 Method: nav  
UEL: 15.6 LEL: 6.2 Autoignition temperature, deg. F.: no data  
Flammability Classification: IB Flame Propagation Rate: no data  
Hazardous Combustion Products: carbon oxides

## 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.

Protect personnel from exposure.  
Remove ignition sources.  
Ventilate the area.

## 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 chemical splash goggles and face shield.

Use latex or equivalent gloves.

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

**Section 9: Physical and Chemical Properties**

Formula:	C2H4Cl2	vapor pressure:	87 mm Hg
Formula Weight:	ns	vapor density:	3.4 g/l
boiling point:	181	Specific gravity:	1.256
melting point:	-31	ph:	no data
solubility:	no data	appearance:	clear colorless liquid

**Section 10: Stability and Reactivity**

Chemical Stabilit stable

Conditions to Avoid: none

Incompatibility with other materials: oxidizers

Hazardous Decomposition Products: no data

Hazardous Polymerization: will not occur

**Section 11: Toxicological Information**

Acute Data: LD50 oral rat 670 mg/kg; oral rabbit 860 mg/kg; LC50 inhalation rat 1000 ppm/7H; LD50 skn rabbit 2800 mg/kg

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
000107062	U077	Ethylene dichloride
009003332	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
000107062	Yes	no
009003332	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	NJ	PA
000107062						

WA  
009003332 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.
000107062	Ethylene dichloride	0.1	not listed
009003332	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)
000107062	not listed	not listed	not listed
009003332	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)
000107062	Not listed	Not listed
009003332	Not listed	Not listed

**Section 16: Other Information**

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.

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END OF MSDS