

# Material Safety Data Sheet

Issue Date: 11/28/2006

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## Section 1: Chemical Product and Company Identification

Cat#: 17269

Part Name: EOSIN Y 1% ALCOHOLIC 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	Acetaldehyde	000075070	0.0001
2	Acetic acid	000064197	0.0001
3	Acetic acid, ethyl ester	000141786	1.33
4	Acetone	000067641	0.0002
5	Cyclohexane	000110827	0.05
6	Eosin Y	017372871	0.1
7	Ethyl alcohol	000064175	92
8	Methanol	000067561	3.7
9	Methyl isobutyl ketone	000108101	1.91
10	n-Hexane	000110543	0.097
11	Solvent naphtha, light aliphatic	064742898	0.67

## OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 000064175	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		1000	1884	--	--	--	--
CAS#: 000064197	IDLH: 50						
OSHA		Not classifi	25	--	--	--	--
ACGIH		10	25	15	15	--	--
CAS#: 000067561	IDLH: 6,000						
OSHA		ACGIH;CA	260	--	--	--	--
ACGIH		200	262	250	250	--	--
CAS#: 000067641	IDLH: 2,500						
OSHA		Not classifi	2400	--	--	--	--
ACGIH		500	1188	750	750	--	--
CAS#: 000075070	IDLH: 2,000						
OSHA		Not classifi	360	--	--	--	--
ACGIH		--	--	--	--	25	45
CAS#: 000108101	IDLH: 500						
OSHA		CANADA	410	--	--	--	--
ACGIH		50	205	75	75	--	--
CAS#: 000110543	IDLH: 1,100						
OSHA		ACGIH	1800	--	--	--	--
ACGIH		50	176	--	--	--	--
CAS#: 000110827	IDLH: 1,300						
OSHA		Not classifi	1050	--	--	--	--
ACGIH		300	1030	--	--	--	--
CAS#: 000141786	IDLH: 2,000						
OSHA		Not classifi	1400	--	--	--	--
ACGIH		400	1440	--	--	--	--
CAS#: 017372871	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

CAS#: 064742898 IDLH: NE

OSHA	NE	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE	NE

### Section 3: Hazards Identification

Causes eye irritation.  
Flammable liquid and vapor.  
Harmful if swallowed.

#### 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	3	0

### Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.  
If swallowed, induce vomiting as directed by medical personnel.  
Separate eyelids with finger tips.

### Section 5: Fire Fighting Measures

Flash point, deg F.: 51 Method: TCC  
UEL: 19.0 LEL: 3.3 Autoignition temperature, deg. F.: no data  
Flammability Classification: IB 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.

Absorb liquids on absorbent material.  
Remove ignition sources.

### 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 latex or equivalent gloves.  
Use process enclosures, local exhaust ventilation, or other engineering controls.

### Section 9: Physical and Chemical Properties

Formula:	mixture	vapor pressure:	40.4
Formula Weight:	nap	vapor density:	1.6
boiling point:	171	Specific gravity:	0.79
melting point:	no data	ph:	no data
solubility:	>90%	appearance:	colorless liquid

### 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: no data  
Subchronic data: Ingestion may cause liver damage and fetal damage.

### 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
000064175	not listed	not listed
000064197	not listed	not listed
000067561	U154	Methyl alcohol
000067641	U002	Acetone
000075070	U001	Ethanal
000108101	U161	Pentanol, 4-methyl-
000110543	not listed	not listed
000110827	U056	Cyclohexane
000141786	U112	Ethyl acetate
017372871	not listed	not listed
064742898	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
000064175	no	no
000064197	no	no
000067561	no	no
000067641	no	no
000075070	Yes	no
000108101	no	no
000110543	no	no
000110827	no	no
000141786	no	no
017372871	no	no
064742898	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	
000064175	FL	MA	MN	PA	WA	
000064197	FL	MA	MN	PA	WA	
000067561	FL	MA	MN	NJ	PA	WA
000067641	FL	MA	MN	PA	WA	
000075070	FL	MA	MN	NJ	PA	WA
000108101	FL	MA	MN	NJ	PA	WA
000110543	FL	MA	MN	NJ	PA	WA
000110827	FL	MA	MN	NJ	PA	WA
000141786	FL	MA	MN	PA	WA	
017372871	not listed					
064742898	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.
000064175	not listed	not listed	not listed
000064197	not listed	not listed	not listed

000067561	Methanol	1.0	not listed
000067641	not listed	not listed	not listed
000075070	Acetaldehyde	0.1	not listed
000108101	Methyl isobutyl ketone	1.0	not listed
000110543	Hexane	1.0	not listed
000110827	Cyclohexane	1.0	not listed
000141786	not listed	not listed	not listed
017372871	not listed	not listed	not listed
064742898	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)
000064175	not listed	not listed	not listed
000064197	not listed	not listed	not listed
000067561	not listed	not listed	not listed
000067641	not listed	not listed	not listed
000075070	not listed	not listed	not listed
000108101	not listed	not listed	not listed
000110543	not listed	not listed	not listed
000110827	not listed	not listed	not listed
000141786	not listed	not listed	not listed
017372871	not listed	not listed	not listed
064742898	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)
000064175	Not listed	Not listed
000064197	Not listed	Not listed
000067561	Not listed	Not listed
000067641	Not listed	Not listed
000075070	Not listed	Not listed
000108101	Not listed	Not listed
000110543	Not listed	Not listed
000110827	Not listed	Not listed
000141786	Not listed	Not listed
017372871	Not listed	Not listed
064742898	Not listed	Not listed

**Section 16: Other Information**

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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