

Material Safety Data Sheet

Complies with EC no. 1907/2006
Issue Date: 11/15/2013

Section 1: Chemical Product and Company Identification

Page 1 of 6

Cat#: 17269

Part Name: EOSIN Y 1% ALCOHOLIC SOLUTION

Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976 USA
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

Section 2: Hazards Identification

Hazard Overview

Causes eye irritation.

Flammable liquid and vapor.

Harmful if swallowed.

GHS Classification

Acute Toxicity Oral Category 4

Eye Irritation Category 2B

Flammable Liquids Category 3

Signal word: Danger



Hazard and Precautionary Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
P280A	Wear protective gloves
P285	In case of inadequate ventilation wear respiratory protection.
P301D	IF SWALLOWED, induce vomiting as directed by medical personnel.
P305B	IF IN EYES, Separate eyelids with finger tips.
P351	Rinse cautiously with water for several minutes.

NFPA Rating

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 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	Acetaldehyde	200-836-8	0000075070	0 - 5
2	Acetic acid	200-580-7	0000064197	0 - 5
3	Acetic acid, ethyl ester	205-500-4	0000141786	0 - 5
4	Acetone	200-662-2	0000067641	0 - 5
5	Cyclohexane	203-806-2	0000110827	0 - 5
6	Eosin Y	241-409-6	0017372871	0 - 5
7	Ethyl alcohol	200-578-6	0000064175	91 - 100
8	Methanol	200-659-6	0000067561	0 - 5
9	Methyl isobutyl ketone	203-550-1	0000108101	0 - 5
10	n-Hexane	203-777-6	0000110543	0 - 5
11	Solvent naphtha, light aliphatic	265-192-2	0064742898	0 - 5

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

OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000064175	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		1000	1884	--	--	--	--
CAS#: 0000064197	IDLH: 50						
OSHA		Not classifi	25	--	--	--	--
ACGIH		10	25	15	15	--	--
CAS#: 0000067561	IDLH: 6,000						
OSHA		ACGIH;CA	260	--	--	--	--
ACGIH		200	262	250	250	--	--
CAS#: 0000067641	IDLH: 2,500						
OSHA		Not classifi	2400	--	--	--	--
ACGIH		500	1188	750	750	--	--
CAS#: 0000075070	IDLH: 2,000						
OSHA		Not classifi	360	--	--	--	--
ACGIH		--	--	--	--	25	45
CAS#: 0000108101	IDLH: 500						
OSHA		CANADA	410	--	--	--	--
ACGIH		50	205	75	75	--	--
CAS#: 0000110543	IDLH: 1,100						

OSHA	ACGIH	1800	--	--	--	--
ACGIH	50	176	--	--	--	--
CAS#: 0000110827	IDLH: 1,300					
OSHA	Not classifi	1050	--	--	--	--
ACGIH	300	1030	--	--	--	--
CAS#: 0000141786	IDLH: 2,000					
OSHA	Not classifi	1400	--	--	--	--
ACGIH	400	1440	--	--	--	--
CAS#: 0017372871	IDLH: NE					
OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE
CAS#: 0064742898	IDLH: NE					
OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE

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.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

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
0000064175	not listed	not listed
0000064197	not listed	not listed
0000067561	U154	Methanol
0000067641	U002	Acetone
0000075070	U001	Ethanal

0000108101	U161	Pentanol, 4-methyl-
0000110543	not listed	not listed
0000110827	U056	Cyclohexane
0000141786	U112	Ethyl acetate
0017372871	not listed	not listed
0064742898	not listed	not listed

Section 14: Transportation Data

Proper Shipping Name	ALCOHOLS, N.O.S.
Chemical Name	CONTAINS ETHANOL, METHANOL
UN	UN1987
Class	3
PG	II

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

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
0000064175	no	no
0000064197	no	no
0000067561	Yes	no
0000067641	no	no
0000075070	Yes	no
0000108101	no	no
0000110543	no	no
0000110827	no	no
0000141786	no	no
0017372871	no	no
0064742898	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	
0000064175	not listed
0000064197	not listed
0000067561	not listed
0000067641	not listed
0000075070	not listed
0000108101	not listed
0000110543	not listed
0000110827	not listed
0000141786	not listed
0017372871	not listed
0064742898	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.
0000064175	not listed	not listed	not listed
0000064197	not listed	not listed	not listed
0000067561	Methanol	1.0	not listed
0000067641	not listed	not listed	not listed

0000075070	Acetaldehyde	0.1	not listed
0000108101	Methyl isobutyl ketone	1.0	not listed
0000110543	Hexane	1.0	not listed
0000110827	Cyclohexane	1.0	not listed
0000141786	not listed	not listed	not listed
0017372871	not listed	not listed	not listed
0064742898	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)
0000064175	not listed	not listed	not listed
0000064197	not listed	not listed	not listed
0000067561	not listed	not listed	not listed
0000067641	not listed	not listed	not listed
0000075070	not listed	not listed	not listed
0000108101	not listed	not listed	not listed
0000110543	not listed	not listed	not listed
0000110827	not listed	not listed	not listed
0000141786	not listed	not listed	not listed
0017372871	not listed	not listed	not listed
0064742898	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)
0000064175	Not listed	Not listed
0000064197	Not listed	Not listed
0000064197	Acetic acid	5,000
0000064197	Acetic acid, glacial	5,000
0000064197	Vinegar acid	5,000
0000067561	Not listed	Not listed
0000067561	Methyl alcohol	5,000
0000067641	Not listed	Not listed
0000067641	2-Propanone	5,000
0000067641	Acetone	5,000
0000075070	Not listed	Not listed
0000075070	Acetaldehyde	1,000
0000075070	Acetic aldehyde	Not listed
0000075070	Ethanal	1,000
0000075070	Ethyl aldehyde	Not listed
0000108101	Not listed	Not listed
0000108101	4-Methyl-2-pentanone	5,000
0000108101	Hexone	5,000
0000108101	Methyl isobutyl ketone	5,000
0000110543	Not listed	Not listed
0000110543	Hexanes	5,000
0000110827	Not listed	Not listed
0000110827	Benzene, hexahydro-	1,000
0000110827	Cyclohexane	1,000
0000141786	Not listed	Not listed
0000141786	Acetic acid, ethyl ester	5,000
0000141786	Ethyl acetate	5,000
0017372871	Not listed	Not listed
0064742898	Not listed	Not listed

Section 16: Other Information

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END OF MSDS