

# Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date: 07/23/2015

## Section 1: Chemical Product and Company Identification

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Cat#: 25962C

Part Name: PROPYLENE GLYCOL SOLUTION (85%)

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

May cause eye irritation.

GHS Classification

Eye Irritation Category 2B

Signal word: **non-hazard**

Hazard and Precautionary Statements

- P301A IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305B IF IN EYES, Separate eyelids with finger tips.
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P351 Rinse cautiously with water for several minutes.
- P361 Remove/Take off immediately all contaminated clothing.
- P501 Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations.

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
0	1	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	1,2-Propanediol	200-338-0	0000057556	81 - 90
2	Water	231-791-2	0007732185	11 - 20

## Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

Remove contaminated clothing.

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.: 212

Method:

UEL: 12.5% LEL: 2.6%

Autoignition temperature, deg. F.: 700 F

Flammability Classification: no data

Flame Propagation Rate: no data

Hazardous Combustion Products: oxides of carbon

## 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.

Contain spilled liquids.

Remove ignition sources.

Ventilate the area.

### Section 7: Handling and Storage

Store at room temp

### Section 8: Exposure Controls/ Personal Protection

#### OSHA (ACGIH) Exposure Limits

	IDLH: NE	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000057556	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0007732185	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.

No special protection is indicated.

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:	C3H8O2	vapor pressure:	< 0.1 mm Hg
Formula Weight:	76.1	vapor density:	2.62
boiling point:	187 C	Specific gravity:	1.038
melting point:	-60 C	ph:	no data
solubility:	miscible	appearance:	clear colorless liquid

### Section 10: Stability and Reactivity

Chemical Stability: stable

Conditions to Avoid: high temperatures

Incompatibility with other materials: strong oxidizing agents

Hazardous Decomposition Products: oxides of carbon

Hazardous Polymerization: will not occur

### Section 11: Toxicological Information

Acute Data: Oral LD50 (rat): >5 g/kg

Dermal LD50 (rabbit): >2g/kg

Subchronic data: no data

### Section 12: Ecological Information

Goldfish 24hr. LC50: 5000 mg/l

rainbow trout, lethal dose(924h): 50000 mg/l

Brine shrimp, 24h, LC50: >10000 mg/l

Daphnia magna, 48 hr, EC50: >10000 mg/l

### 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
0000057556	not listed	not listed
0007732185	not listed	not listed

### Section 14: Transportation Data

Proper Shipping Name: NOT REGULATED

Chemical Name:

UN

Class

PG

**Section 15: Regulatory Information**

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
0000057556	no	no
0007732185	no	no

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

CAS#	
0000057556	not listed
0007732185	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.
0000057556	not listed	not listed	not listed
0007732185	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)
0000057556	not listed	not listed	not listed
0007732185	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)
0000057556	Not listed	Not listed
0007732185	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS