

# Safety Data Sheet

Complies with EC no. 1907/2006  
Issue Date:08/15/2018

## Section 1: Chemical Product and Company Identification

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Cat#: 00377

Part Name: GLUTARALDEHYDE 50% BIOLOGICAL GRADE

Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976 USA  
Company phone number 215-343-6484, 24-hour emergency phone number ChemTel 1-800-255-3924 Contract # MIS1592086

Identified uses: Laboratory use, manufacture of substances

## Section 2: Hazards Identification

Hazard Overview

Causes skin and eye burns.

Harmful if inhaled or swallowed.

May cause allergic skin reaction.

May cause severe allergic respiratory reaction.

Toxic to fish and other water organisms.

GHS Classification

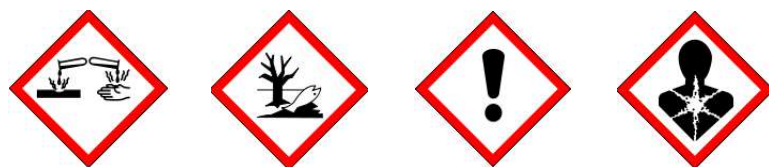
Acute Toxicity Oral Cat 4 , Acute Toxicity Inhalation Cat 4

Respiratory Sensitizer Category 1B

Serious Eye Damage Cat 1C, Skin Corrosion Cat 1C, Eye Irritation Cat 2B

Skin Sensitizer Category 1B

Signal word: **Danger**



Hazard and Precautionary Statements

H302 + H332	Harmful if swallowed or if inhaled
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280A	Wear protective gloves
P285	In case of inadequate ventilation wear respiratory protection.
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.
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
3	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	Glutaraldehyde	203-856-5	0000111-30-8	50 - 60
2	Water	231-791-2	0007732-18-5	50 - 60

## 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.  
Wash skin with deluge of water for at least 15 minutes.

#### Section 5: Fire Fighting Measures

Flash point, deg F.: no data   Method: no data  
UEL: no data           LEL: no data    Autoignition temperature, deg. F.: no data  
Flammability Classification: no data    Flame Propagation Rate: no data  
Hazardous Combustion Products: no data

#### 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.  
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

##### OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
Glutaraldehyde	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		--	--	--	--	0.05	0.2
Water	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 chemical splash goggles and face shield.
- 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:	0.20 mm Hg at 20C
Formula Weight:	nap	vapor density:	1.1
boiling point:	213 F	Specific gravity:	1.06
melting point:	-6 F	ph:	no data
solubility:	100 %	appearance:	clear colorless liquid acrid odor

#### Section 10: Stability and Reactivity

Chemical Stability stable  
Conditions to Avoid: high heat and evaporation of water  
Incompatibility with other materials: strong alkalais and acids  
Hazardous Decomposition Products: no data  
Hazardous Polymerization: will not occur

#### Section 11: Toxicological Information

Acute Data: LD 50 Oral (Rat): 2.30 ml/kg  
LD 50 Percutaneous Rabbit: 2.54 ml/kg; 24 h occluded  
Subchronic data: Intradermal injection of 0.1% glutaradehyde solution and topical administration of a 5% solution in guinea pig maximization test showed evidence of delayed contact sensitivity in 68% of test animals

**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.

	Waste Code	Regulated Name
Glutaraldehyde	not listed	not listed
Water	not listed	not listed

**Section 14: Transportation Data**

Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Chemical Name	GLUTARALDEHYDE
UN	UN3265
Class	8
PG	III

**Section 15: Regulatory Information**

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

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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.

	Column A	Column B
Glutaraldehyde	no	no
Water	no	no

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

Glutaraldehyde not listed

Water 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.

	Regulated name	de minimis conc. %	Rep. Thres.
Glutaraldehyde	not listed	not listed	not listed
Water	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.

	Regulated name	TPQ (pounds)	EHS-RQ(pounds)
Glutaraldehyde	not listed	not listed	not listed
Water	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.

	Regulated name	RQ (pounds)
Glutaraldehyde	Not listed	Not listed
Water	Not listed	Not listed

**Section 16: Other Information**

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END OF MSDS