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## MATERIAL SAFETY DATA SHEET

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### Section 1: Chemical Product and Company Identification

Date Prepared: 05/15/2012  
Catalog Code: **BLI1909**  
Product: **Glutaraldehyde, EM Grade, 25%**  
Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976

### Section 2: Composition / Information on Ingredients

Item#	Name	CAS#	% in Product
1	Glutaraldehyde	0000111308	25
2	Water	0007732185	75

### Section 3: Hazard Identification

Harmful if inhaled, absorbed through skin or swallowed. May cause allergic skin reaction. Toxic if swallowed.

Hazard Ratings: These ratings are Polysciences, Inc.'s 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 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 given below is considered to be in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition source 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 4°C.

### Section 8: Exposure Controls and 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: mixture  
Vapor Pressure: 0.20 mm Hg at 20°C  
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 alkalis 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% glutaraldehyde 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 of in compliance with all Federal, State, and Local Regulations.

<u>CAS#</u>	<u>Waste Code</u>	<u>Regulated Name</u>
0000111308	not listed	not listed
0007731285	not listed	not listed

**Section 14: Transport Information**

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 identifies those which are known to the State of California to cause reproductive toxicity.

<u>CAS#</u>	<u>Column A</u>	<u>Column B</u>
0000111308	no	no
0007732185	no	no

## **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**