

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 12/06/2011
Catalog Code: **01909**
Product: **Glutaraldehyde 25% EM Grade**
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition / Information on Ingredients

Item#	Name	CAS#	% in Product
1	Glutaraldehyde	000111308	25.0
2	Water	007732185	75.0

Section 3: Hazard Identification

Causes eye burns. Highly toxic if inhaled (≤ 200 ppm; ≤ 2 mg/L). May be fatal if swallowed. Toxic if swallowed ($\leq 50 > 50$ mg/kg) rat.

Hazard Ratings: These ratings are Bangs Laboratories, 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:	no data
Flame Propagation:	no data
Hazardous Combustion Products:	no data

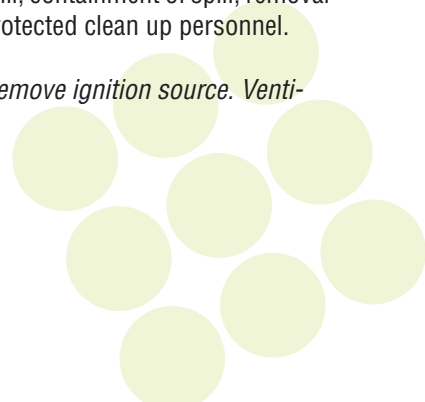
Section 6: Accidental Release Measures

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 liquid. Protect personnel from exposure. Remove ignition source. Ventilate the area.

Section 7: Handling and Storage

Store at 2-8°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 with 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: LD50 Oral (Rat): 2.3 mL/kg; LD50 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>
000111308	not listed	not listed
007732185	not listed	not listed

Section 14: Transport Information

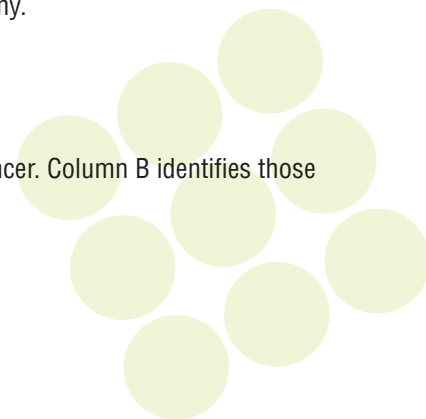
Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

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>
000111308	no	no
007732185	no	no



Section 16: Other Information

BANGS LABORATORIES, 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

