

Section 1. Product and Company Identification

Item Number: S1813-80Z
 Common Name: Glutaraldehyde 50% Aqueous E.M. Grade
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

70 Cleveland Ave
 Bay Shore, NY 11706
 631-586-0400
 polyrnd@polyrnd.com
 www.polyrnd.com

Section 2. Hazard Identification

301 Acute toxicity, oral Cat 3
 314 Skin corrosion/irritation Cat 1A, B, C
 317 Sensitizer, Skin Cat 1
 331 Acute toxicity, inhalation Cat 3
 334 Sensitizer, respiratory Cat 1



Danger

Toxic if swallowed or if inhaled.
 Causes severe skin burns and eye damage.
 May cause an allergic skin reaction.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. In case of inadequate ventilation wear respiratory protection. IF SWALLOWED: Immediately call a POISON CENTER. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly closed and locked up. Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

| Component | CAS# | PEL(mg/m ³) | STEL(mg/m ³) | CEIL(mg/m ³) | Concentration Range |
|----------------|----------|-------------------------|--------------------------|--------------------------|---------------------|
| Glutaraldehyde | 111-30-8 | | 0.25 | | 50-100% |

Section 4. First Aid Measures

Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.
 Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention
 Ingestion: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention
 Inhalation: Move person to fresh air. If necessary give CPR: warning this could pose a risk of exposure to the rescue breather. Seek medical attention
 The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media: Dry Chemical, Carbon Dioxide, Water Spray, Alcohol Foam
 Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: Wear protective clothing and respirator equipment. Neutralize with alkaline material (I.E. Soda Ash, Lime). Pick up with abso
 Spill Cleanup: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

Storage and Handling Special: N/A
 Storage and handling: Keep container tightly closed. Store in a cool, dry area and protect from physical damage

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator
 This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
 Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

| | | | | | |
|---------------------------|-------------------------|-------------------------------|-------|----------------------------|----------------------|
| Appearance | clear, colorless liquid | Evaporation Rate..... | N/A | Water Soluable? | Yes |
| Odor..... | Sharp | Upper Flammability Limit (%): | N/A | Volatile Percent | 100 |
| Odor Threshold..... | N/A | Lower Flammability Limit (%): | N/A | Partition Coefficient..... | n-octanol/water: N/A |
| pH..... | N/A | Specific Gravity (@ 20C)..... | 1.131 | Auto Ignition Temp. | N/A |
| Melting Point..... | N/A | Vapor Pressure (mm Hg) | 15 | Decomposition Temp..... | N/A |
| Boiling Point..... | N/A | Vapor Density (Air=1) | N/A | Viscosity | N/A |
| Flash Point (F) TCC | N/A | Relative Density..... | N/A | | |

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Gluteraldehyde: Acute Oral (LD50) 134 mg/kg (Rat) Acute Dermal (L50) 2560 mg/kg (Rabbit);

Human Toxic Effects: Target Organs: Eyes, Skin, Respiratory System, Liver, Kidneys, Lungs, Lymphatic System

Potential Acute Health Effects: Hazardous in case of inhalation, eye contact, skin contact, ingestion

Potential Chronic Health Effects: Liver and Lymphatic cancer.

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local, state and federal laws.

Section 14. Transport Information

DOT Identification: UN1760; Corrosive liquid, n.o.s. (Silver Nitrate); 8, III

Section 15. Regulatory Information

State Regulations: New York Release reporting list: N/A

Sara Section 311 Reporting

| Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA |
|----------------|----------|-------|---------|------|----------|----------|---------|---------|--------|------|
| Gluteraldehyde | 111-30-8 | No | No | No | No | No | No | No | No | No |

Section 16. Other Information

Review Date: 12/23/2015

Reviewed by: ddi

MSDS Group Id: 348

Notice: This MSDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.