SAFETY DATA SHEET

Section 1. Product and Company Identification
Manufacturer:
Poly Scientific R&D Corp
70 Cleveland Ave
Bay Shore, NY 11706
631‐586‐0400
www.polyrnd.com
polyrnd@polyrnd.com

Item Number: s1809‐1
Common Name: Glutaraldehyde 3% Aqueous E.M. Grade

Section 2. Hazard Identification
301 Acute toxicity, oral Cat 3
314 Skin corrosion/irritation Cat 1A, B, C
317 Sensitization, Skin Cat 1
331 Acute toxicity, inhalation Cat 3
334 Sensitization, 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/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)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>PEL(mg/m³)</th>
<th>STEL(mg/m³)</th>
<th>CEIL(mg/m³)</th>
<th>Concentration Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde</td>
<td>111‐30‐8</td>
<td>0.25</td>
<td>0‐5%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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, Water Spray, Alcoholic Foam, Carbon Dioxide

Special Fire and Explosion Remarks:
N/A

Section 6. Accidental Release Measures
Spill Cleanup and Disposal Special:
Pick up with absorbent vermiculite

Spill Cleanup:
Take up spills with absorbent material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage
Storage and Handling Special:
Refrigerate

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:
Face Shield, Gloves, Synthetic Apron

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 workstation.
### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>clear colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Sharp</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point (TCC)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Upper Flammability Limit (%)</td>
<td>N/A</td>
</tr>
<tr>
<td>Lower Flammability Limit (%)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity @20°C</td>
<td>1.131</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>15</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Relative Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Yes</td>
</tr>
<tr>
<td>Volatile Percent</td>
<td>100</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>n-octanol/water: N/A</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

**Special Remarks on Stability:** Stable

**Special Remarks on Reactivity:** N/A

### Section 11. Toxicological Information

**Routes of Entry:** Inhalation, Skin Absorption, Ingestion

**Animal Toxicity:**
- Acute Oral (LD50) 134 mg/kg (Rat); Acute Dermal (LD50) 2560 mg/kg (Rabbit); Eye 1mg (severe irritation) (Rabbit); Skin 6mg/3 days (severe irritation) (Human)  

**Human Toxic Effects:** Target Organs: Eyes, skin, respiratory system

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

**Potential Chronic Health Effects:** Respiratory

### 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:** Non Hazardous

### Section 15. Regulatory Information

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

### Section 16. Other Information

**Review Date:** 12/1/2015

**Reviewed by:** ddi

**MSDS Group Id:** 61

**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.