**Poly Scientific R&D Corp**

**SAFETY DATA SHEET**

**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
- polyrd@polyrd.com
- www.polyrd.com

Hazardous Materials Identification System
- Health: 3
- Flammability: 3
- Reactivity: 0
- *PPE*: g

*See Section 8*

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**Section 1. Chemical Product and Company Identification**

- **Item Number**: s103b-1
- **Common Name**: Acid Alcohol 0.5%
- **Chemical Name(s)**: Reagent Alcohol
- **Chemical Family**: Alcohol
- **Chemical Formula**: Mixture

**Section 2. 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>
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<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td></td>
<td>1,900.00</td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>1,225.00</td>
<td>980.00</td>
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<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>326.00</td>
<td>260.00</td>
<td></td>
</tr>
</tbody>
</table>

**Section 3. Hazards Identification**

- **Potential Acute Health Effects**: Hazardous in case of eye, skin contact, inhalation, ingestion
- **Potential Chronic Health Effects**: Isopropyl Alcohol: IARC code 3

**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

**Section 5. Fire and Explosion Data**

- **Flash Point (F) TCC**: N/A
- **Lower Flammability Limit (%):** N/A
  - Upper Flammability Limit (%): N/A
- **Extinguishing Media**: Dry Chemical Powder, Alcohol Foam, Carbon Dioxide
- **Special Fire and Explosion Remarks**: N/A

**Section 6. Accidental Release Measures**

- **Spill Cleanup and Disposal Special**: Warning!! Flammable!! Eliminate ignition sources. Take up spills with absorbent material.
- **Spill Cleanup**: Take up spills with absorbent material and containerize for proper disposal

**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**: Safety Glasses, Gloves, 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**

- **Note**: Quantitative data below is
- **Appearance**: clear colorless
- **Odor**: Pleasant
- **pH**: N/A
- **Specific Gravity (@20°C)**: 0.7915
- **Vapor Pressure (mm Hg)**: 52
- **Vapor Density (Air=1)**: 1.6
- **Volatile Percent**: 100
- **Water Soluable?**: Yes

**Section 10. Stability and reactivity**

- **Special Remarks on Stability**: Stable
- **Special Remarks on Reactivity**: N/A
- **Water Reactive**: No

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*Page: 1*
Section 11. Toxicological Information

Routes of Entry: Inhalation, Skin absorption, Ingestion

Animal Toxicity: Ethyl Alc: Acute Oral (LD50): 7060 mg/kg (Rat); Acute Dermal (LD50): 500 mg/24hr (Rabbit); Methyl Alc: Acute Oral (LD50): 560 mg/kg (Rat); Acute Dermal (LLD50) 500 mg/24hr (Rabbit); Isopropyl Alc: Acute Oral (LD50): 5045 mg/kg (Rat); Acute Dermal (LD50) 500 mg/24hr (Rabbit);

Human Toxic Effects: Target Organs: Respiratory system, skin, eyes, CNS, liver, blood and reproductive system

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: UN1170; Ethanol Solutions; 3; II

Section 15. Regulatory Information

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

Sara Section 311 Reporting

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
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<th>SARA313</th>
<th>CERCLA</th>
<th>RCRA</th>
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<tbody>
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</tbody>
</table>

Section 16. Other Information

Review Date: 5/29/2013
Reviewed by: tsc
MSDS Group Id: 4

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.