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: s264‐1
Common Name: Propylene Glycol USP

Intended Use: In Vitro Diagnostic use. Laboratory Use Only

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800‐424‐9300

Section 2. Hazard Identification

Harmful If Swallowed or Inhaled
Avoid breathing dust or vapor. May be irritating to eyes, skin, and respiratory system. Wear safety goggles and rubber gloves to avoid contact. Wash thoroughly after handling. Keep container tightly closed.

EFFECTS OF EXPOSURE: Ingestion may cause nausea and abdominal pain. Mild irritant to skin and eyes.

TARGET ORGANS: None.

FIRST AID: Call a physician at once!

For Fire: Use extinguishing media appropriate for surrounding fire.

For Spill: Eliminate ignition sources. Pick up with absorbent material and containerize for proper disposal.

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>No OSHA hazardous</td>
<td>0‐5%</td>
<td>50‐100%</td>
<td></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 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: N/A

Special Fire and Explosion Remarks: NA

Section 6. Accidental Release Measures

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 | 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: Special | N/A

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

Appearance: clear, colorless

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point: N/A

Boiling Point: N/A

Flash Point (F) TCC: NA

Evaporation Rate: N/A

Upper Flammability Limit (%): NA

Lower Flammability Limit (%): NA

Specific Gravity (@20°C): N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Relative Density: N/A

Water Soluable?: Yes

Volatile Percent: N/A

Partition Coefficient: n‐octanol/water: N/A

Auto Ignition Temp.: N/A

Decomposition Temp: N/A

Viscosity: N/A
Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: N/A

Animal Toxicity: N/A

Human Toxic Effects: N/A

Potential Acute Health Effects: N/A

Potential Chronic Health Effects: N/A

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

Sara Section 311 Reporting

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
No OSHA hazardous | No | No | No | No | No | No | No | No | No | No

Components

No

No

No

No

No

No

No

No

No

No

Section 16. Other Information

Review Date: 12/8/2015

Reviewed by: ddi

MSDS Group ID: 2

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.
**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:** s1848-1  
**Common Name:** Oil Red O 0.5% Solution In Propylene Glycol

### Section 2. Hazard Identification

- **Harmful If Swallowed or Inhaled**
  - Avoid breathing dust or vapor. May be irritating to eyes, skin, and respiratory system. Wear safety goggles and rubber gloves to avoid contact. Wash thoroughly after handling. Keep container tightly closed.

- **Effects of Exposure:** Ingestion may cause nausea and abdominal pain. Mild irritant to skin and eyes.

- **Target Organs:** None.

- **First Aid:** Call a physician at once!

- **For Fire:** Use extinguishing media appropriate for surrounding fire.

- **For Spill:** Eliminate ignition sources. Pick up with absorbent material and containerize for proper disposal.

- **Hazards not otherwise covered by GHS:** None

### Section 3. Composition Information

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Exposure Limits</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>No OSHA hazardous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0-5%</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 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:** N/A

- **Special Fire and Explosion Remarks:** NA

### Section 6. Accidental Release Measures

- **Spill Cleanup and Disposal Special:** N/A

- **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:** N/A

- **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 | Odor | Odor Threshold | pH | Melting Point | Boiling Point | Flash Point (F) TCC | Evaporation Rate | Upper Flammability Limit | Lower Flammability Limit | Specific Gravity (@20C) | Vapor Pressure (mm Hg) | Vapor Density (Air=1) | Relative Density | Water Soluable? | Volatile Percent | Partition Coefficient | Auto Ignition Temp. | Decomposition Temp. | Viscosity |
|------------|------|----------------|----|---------------|---------------|---------------------|-------------------|---------------------|---------------------|------------------------|------------------------|------------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------|----------------|----------------|
| clear red | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Yes | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
SAFETY DATA SHEET

Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: N/A

Animal Toxicity: N/A

Human Toxic Effects: N/A

Potential Acute Health Effects: N/A

Potential Chronic Health Effects: N/A

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

Sara Section 311 Reporting

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
No OSHA hazardous | No | No | No | No | No | No | No | No | No | No

Components

No

No

No

No

No

No

No

No

No

No

Section 16. Other Information

Review Date: 12/4/2015

Reviewed by: ddi

MSDS Group Id: 2

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.
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: s264a‐1

Common Name: Propylene Glycol 85% Solution

Intended Use: In Vitro Diagnostic use. Laboratory Use Only

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800‐424‐9300

Section 2. Hazard Identification

Harmful If Swallowed or Inhaled
Avoid breathing dust or vapor. May be irritating to eyes, skin, and respiratory system. Wear safety goggles and rubber gloves to avoid contact. Wash thoroughly after handling. Keep container tightly closed.

EFFECTS OF EXPOSURE: Ingestion may cause nausea and abdominal pain. Mild irritant to skin and eyes.
TARGET ORGANS: None.

FIRST AID: Call a physician at once!

For Fire: Use extinguishing media appropriate for surrounding fire.

For Spill: Eliminate ignition sources. Pick up with absorbent material and containerize for proper disposal.

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>No OSHA hazardous</td>
<td>0‐5%</td>
<td>50‐100%</td>
<td></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 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: N/A

Special Fire and Explosion Remarks: NA

Section 6. Accidental Release Measures

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: Keep container tightly closed. Store in a cool, dry area and protect from physical damage.

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: N/A

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

Appearance: clear, colorless

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point: N/A

Boiling Point: N/A

Flash Point (F) TCC: NA

Evaporation Rate: N/A

Upper Flammability Limit (%): NA

Lower Flammability Limit (%): NA

Specific Gravity (@20°C): N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Relative Density: N/A

Water Soluable?: Yes

Volatile Percent: N/A

Partition Coefficient: n‐octanol/water: N/A

Auto Ignition Temp.: N/A

Decomposition Temp.: N/A

Viscosity: N/A
Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: N/A

Animal Toxicity: N/A

Human Toxic Effects: N/A

Potential Acute Health Effects: N/A

Potential Chronic Health Effects: N/A

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

Sara Section 311 Reporting

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
No OSHA hazardous | No | No | No | No | No | No | No | No | No | No

Components: No

Section 16. Other Information

Review Date: 12/4/2015

Reviewed by: ddi

MSDS Group Id: 2

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.
### Engineering Controls

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

### Personal Protective Equipment

- Safety glasses
- Gloves
- Synthetic apron

### Storage and Handling

- Keep container tightly closed, in a well‐ventilated area and cool.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use dry sand.
- 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.
- Wear protective gloves/protective clothing/eye protection/face protection.

### Hazards not otherwise covered by GHS: None

#### In Vitro Diagnostic use. Laboratory Use Only

- 314 Skin corrosion/irritation Cat 1A, B, C
- 302 Acute toxicity, oral Cat 4

#### Intended Use

- In Vitro Diagnostic use.
- Laboratory Use Only

#### Manufacturer

- Poly Scientific R&D Corp
- 70 Cleveland Ave
- Bay Shore, NY 11706
- www.polyrnd.com
- polyrnd@polyrnd.com
- 631‐586‐0400

### Section 3. Composition Information

<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>Methyl Alcohol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hematoxylin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Section 5. Fire Fighting Measures

- Use Dry Chemical, Foam or Carbon Dioxide

#### Section 6. Accidental Release Measures

- 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

- Keep container tightly closed, in a cool, dry area and protect from physical damage.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use dry sand.
- 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.
- Wear protective gloves/protective clothing/eye protection/face protection.

#### Section 8. Exposure Controls/Personal Protection

- Safety showers are local to the work‐station.
- 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Water Soluable?</td>
<td>Yes</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>n‐octanol/water: N/A</td>
</tr>
<tr>
<td>Volatile Percent</td>
<td>0‐5%</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto Ignition Temp.</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temp</td>
<td>N/A</td>
</tr>
<tr>
<td>Lower Flammability Limit (%</td>
<td>N/A</td>
</tr>
<tr>
<td>Upper Flammability Limit (%</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Section 10. Stability Information

- Stable under normal conditions.
- Avoid contact with strong oxidizing agents.
- Avoid strong bases.
- Avoid strong acids.

#### Section 11. Toxicological Information

- Inhalation: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention.
- Ingestion: Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention.
- Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention.
- Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.

#### Section 12. Ecological Information

- The most important known symptoms and effects are described in section 2 and/or section 11.

#### Section 13. Disposal Considerations

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

#### Section 14. Transport Information

- Suitable containers for transport: Metal drums.
- In VITRO Diagnostic use. Laboratory Use Only
- Information for special transport: None

#### Section 15. Regulatory Information

- In Vitro Diagnostic use. Laboratory Use Only
- 314 Skin corrosion/irritation Cat 1A, B, C
- 302 Acute toxicity, oral Cat 4

#### Section 16. Other Information

- Section on Safety Data Sheet
- Section on GHS

#### Section 17. Other Information

- IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800‐424‐9300
- Manufacturer: Poly Scientific R&D Corp
- Item Number: 201, 03A0025 4, 03
- In VITRO Diagnostic use. Laboratory Use Only

#### Section 18. References

- The data contained herein has been obtained from a variety of sources.
- The data is to be used for educational purposes only.
- The information is provided as a guide but proper PPE can only be determined by the end user and their situation.
SAFETY DATA SHEET

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:
- Ethyl Alc: Acute Oral (LD50): 7060 mg/kg (Rat); Acute Dermal (LD50): 500 mg/24hr (Rabbit)
- Methyl Alc: Acute Oral (LD50): 5628 mg/kg (Rat); Acute Dermal (LLD50) 500mg/24hr (Rabbit)
- Isopropyl Alc: Acute Oral (LD50): 5045 mg/kg (Rat); Acute Dermal (LD50) 500mg (Rabbit)
- Hematoxylin: Acute Oral (TDLO) 400 gm/kg (Rat)
- Aluminum Potassium Sulfate: N/A

Human Toxic Effects:
Target Organs: Respiratory system, skin, eyes, CNS, liver, blood and reproductive system
Potential Acute Health Effects: Hazardous in case of inhalation, eye contact, skin contact, ingestion
Potential Chronic Health Effects: Isopropyl Alcohol: IARC Code 3

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
- 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>
<th>SARA302</th>
<th>SARA313</th>
<th>CERCLA</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hematoxylin</td>
<td>517-28-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 16. Other Information
Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 69

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.
Exposure Limits (A blank value indicates no information available)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (F)</td>
<td>TCC</td>
</tr>
<tr>
<td>Boiling Point</td>
<td></td>
</tr>
<tr>
<td>Melting Point</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

Personal Protective Equipment

Storage and Handling

Special

Spill Cleanup

Spill Cleanup and Disposal Special

Special Fire and Explosion Remarks

Extinguishing Media

The most important known symptoms and effects are described in section 2 and/or section 11.

Inhalation

Ingestion

Skin Contact

Eye Contact

Hydrochloric Acid

Component | CAS# | PEL (mg/m³) | STEL (mg/m³) | CEIL (mg/m³) | Concentration Range
--------- | ---- | ----------- | ------------- | ------------ | -------------------

Hazards not otherwise covered by GHS: None

plant.

induce vomiting. Absorb spillage to prevent material damage. Keep tightly closed and only in original container. Store locked up. Dispose of contents/container to an approved waste disposal

clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. DO NOT

breathing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated

container. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original

May cause damage to organs through prolonged or repeated exposure.

May cause respiratory irritation.

May be corrosive to metals. Causes severe skin burns and eye damage.

Danger

335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3

290 Corrosive to Metals Cat 1

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Intended Use

Common Name

Item Number

Poly Scientific R&D Corp

70 Cleveland Ave

www.polyrnd.com

polyrnd@polyrnd.com

631-586-0400

Bay Shore, NY 11706

Manufacturer
### 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, Ingestion, Skin Absorption

**Animal Toxicity:**
- **Hydrochloric Acid:** Acute Oral (LD50) 900 mg/kg (Rat) I.P. (LD50) 1449 mg/kg (Mouse); Alcian Blue 8GX: The full toxicological, physical and chemical properties have not been fully investigated; Sodium Phosphate Monobasic: Acute Oral (LD50) 8290 mg/kg (Rat)

**Human Toxic Effects:**
- **Target Organs:** Eyes, Skin, Respiratory System, GI System
- **Potential Acute Health Effects:** Hazardous in case of inhalation, eye contact, skin contact, ingestion
- **Potential Chronic Health Effects:** Hydrochloric Acid: IARC Code 3

### 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: Hydrochloric Acid

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
<th>SARA302</th>
<th>SARA313</th>
<th>CERCLA</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid</td>
<td>7647-01-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### Section 16. Other Information

**Review Date:**
12/8/2015

**Reviewed by:**
ddi

**MSDS Group Id:**
350

**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.
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:
s200-1

Common Name:
Glycerine Jelly Mounting Medium

Intended Use:
In Vitro Diagnostic use. Laboratory Use Only

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Section 2. Hazard Identification

Harmful If Swallowed or Inhaled
Avoid breathing dust or vapor. May be irritating to eyes, skin, and respiratory system. Wear safety goggles and rubber gloves to avoid contact. Wash thoroughly after handling. Keep container tightly closed.

EFFECTS OF EXPOSURE:
Ingestion may cause nausea and abdominal pain. Mild irritant to skin and eyes.

TARGET ORGANS:
None.

FIRST AID:
Call a physician at once!

For Fire:
Use extinguishing media appropriate for surrounding fire.

For Spill:
Eliminate ignition sources. Pick up with absorbent material and containerize for proper disposal.

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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No OSHA hazardous 0-5%
Components 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 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:
N/A

Special Fire and Explosion Remarks:
NA

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special:
N/A

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:
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:
N/A

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 air-borne 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 tan

Odor:
...................................... N/A

Odor Threshold:
.................... N/A

pH:
.......................................... N/A

Melting Point:
......................... N/A

Boiling Point:
.......................... N/A

Flash Point (F) TCC:
................. NA

Evaporation Rate:
................... N/A

Upper Flammability Limit (%):
................................ NA

Lower Flammability Limit (%):
................................ NA

Specific Gravity (@20°C):
.......... N/A

Vapor Pressure (mm Hg):
........: N/A

Vapor Density (Air=1):
............ N/A

Relative Density:
..................... N/A

Water Soluable?:
.................... Yes

Volatile Percent:
..................... N/A

Partition Coefficient:
............... n-octanol/water: N/A

Auto Ignition Temp.:
............... N/A

Decomposition Temp:
............. N/A

Viscosity:
................................ N/A
SAFETY DATA SHEET

Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: N/A

Animal Toxicity: N/A

Human Toxic Effects: N/A

Potential Acute Health Effects: N/A

Potential Chronic Health Effects: N/A

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

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
No OSHA hazardous | No | No | No | No | No | No | No | No | No | No

Components

No OSHA hazardous

Section 16. Other Information

Review Date: 12/8/2015

Reviewed by: ddi

MSDS Group Id: 2

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.