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: s256-1
Common Name: Picric Acid Acetone 1%
Intended Use: In Vitro Diagnostic use. Laboratory Use Only

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

Section 2. Hazard Identification

225 Flammable Liquids Cat 2
301 Acute toxicity, oral Cat 3
311 Acute toxicity, dermal Cat 3
317 Sensitisation, Skin Cat 1
320 Serious eye damage/eye irritation Cat 2B
332 Acute toxicity, inhalation Cat 4

Danger: Highly flammable liquid and vapour. Toxic if swallowed and in contact with skin. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. May cause drowsiness or dizziness.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated area and cool. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. 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>Acetone</td>
<td>67-64-1</td>
<td>1,000.00</td>
<td>500.00</td>
<td>50-100%</td>
<td></td>
</tr>
<tr>
<td>Picric Acid</td>
<td>88-89-1</td>
<td>0.10</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 large amounts of 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:
Foam, Carbon Dioxide or Dry Chemical Media

Special Fire and Explosion Remarks:
N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal:
Warning! Flammable! Eliminate ignition sources. Take up spills with absorbent material.

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:
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.
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Section 9. Physical and Chemical Properties

Appearance: clear, colorless
Odor: Sharp, penetrating nonresidual
Odor Threshold: N/A
pH: N/A
Melting Point: N/A
Boiling Point: N/A
Flash Point (F) TCC: N/A
Evaporation Rate: N/A
Upper Flammability Limit (%): N/A
Lower Flammability Limit (%): N/A
Specific Gravity (@20°C): 0.7915
Vapor Pressure (mm Hg): 184
Vapor Density (Air=1): 2
Relative Density: N/A
Water Soluable?: Yes
Volatile Percent: 100
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: Stable
Special Remarks on Reactivity: N/A
Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion
Animal Toxicity: Acetone: Acute Oral (LD50) 9.75 (Rat) Acute Dermal (LD50) 20mg/kg (Rabbit); Picric Acid: Acute Oral (LD50) 120 mg/kg (Rabbit) Subcutaneous (LD50) 60 mg/kg (Dog)
Human Toxic Effects: Target Organs: Liver, kidneys, skin, respiratory, GI tract, lungs, blood,
Potential Acute Health Effects: Hazardous in case of inhalation, eye contact, skin contact, ingestion
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: UN1090; Acetone; 3; II

Section 15. Regulatory Information

State Regulations: New York release reporting list: Acetone
Sara Section 311 Reporting

Component | CAS# | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Acetone | 67-64-1 | No | No | No | No | No | No | Yes | No | No
Picric Acid | 88-89-1 | No | No | No | No | No | No | Yes | No | No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 96
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.