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:
s289‐1

Common Name:
Van Gieson's Solution

Intended Use:
In Vitro Diagnostic use. Laboratory Use Only

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

Section 2. Hazard Identification

301 Acute toxicity, oral Cat 3
311 Acute toxicity, dermal Cat 3
317 Sensitisian, Skin Cat 1
332 Acute toxicity, inhalation Cat 4

Danger
Toxic if swallowed and in contact with skin.
May cause an allergic skin reaction.
Harmful if inhaled.
Avoid breathing dust/fume/gas/mist/spray. Wear protective gloves/clothing protection/eye protection/face protection. Use only in a well‐ventilated area. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

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. Store 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>
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</thead>
<tbody>
<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 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:
Use Water Spray

Special Fire and Explosion Remarks:
N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal:
Special:
Take 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:
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, 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 work‐station.

Section 9. Physical and Chemical Properties

Appearance:
red
Odor:
N/A
Odor Threshold:
N/A

pH:
N/A
Meltiing 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 (@20C):
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: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Picric Acid: Acute Oral (LDLo) 120 mg/kg (Rabbit) Subcutaneous (LDLo) 60 mg/kg (Dog)

Human Toxic Effects: Target Organs: skin, respiratory, GI tract, lungs, blood

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

Potential Chronic Health Effects: Prolonged or repeated skin contact may cause dermatitis. Mutagenic.

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>
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</thead>
<tbody>
<tr>
<td>Picric Acid</td>
<td>88-89-1</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>
</tbody>
</table>

Section 16. Other Information

Review Date: 12/1/2015

Reviewed by: ddi

MSDS Group Id: 97

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.