**ISSUE DATE:** 28 JANUARY 2008  |  **PRODUCT:** PVP Iodine Scrub Solution

**SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine (CAS 7553-56-2)</td>
<td>STEL for I₂ vapor: 0.1 ppm (ceiling)</td>
<td></td>
<td></td>
<td>0.7 – 1.2%</td>
</tr>
<tr>
<td>Glycerin (CAS 56-81-5)</td>
<td>10 mg/m³ (mist)</td>
<td></td>
<td></td>
<td>1.2%</td>
</tr>
</tbody>
</table>

**SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS**

- Boiling Point: > 200°F
- Vapor Pressure (mm Hg.): Not Available
- Vapor Density (AIR = 1): Not Available
- Specific Gravity (H₂O = 1): 1.027
- Melting Point: Not Applicable
- Evaporation Rate (Butyl Acetate = 1): Not Available
- Solubility in Water: Soluble
- Appearance and Odor: Reddish brown colored solution with iodine odor
- pH: 3.0-4.5 s.u.

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

- Flash Point (Method Used): >200°F
- Flammable Limits: NA
- LEL: NA
- UEL: NA
- Extinguishing Media: Water spray, dry chemical, carbon dioxide, alcohol foam
- Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: NA
SECTION V: REACTIVITY DATA

**Stability**

Unstable: No  
Stable: Yes  
Conditions to Avoid: Excessive heat

Incompatibility (Materials to Avoid): Strong oxidizers, acids, alkalis and unsaturated organic compounds

Hazardous Decomposition or Byproducts: Carbon Dioxide, Carbon Monoxide, and combustion products containing iodine.

**Hazardous Polymerization**

May Occur: No  
Will Not Occur: Yes  
Conditions to Avoid: NA

SECTION VI: HEALTH HAZARD DATA

**Route(s) of Entry**

Inhalation? NA  
Skin? Yes  
Ingestion? Yes

Health Hazards (Acute and Chronic): Acute: Local irritation and pruritus can occur.  
Chronic: Long term treatment can provoke abnormal thyroid gland function, hepatic or renal insufficiencies, acidosis, "chemical" peritonitis, increased serum iodine levels.

**Carcinogenicity**

NTP? NA  
IARC Monographs? NA  
OSHA Regulated? NA

Signs and Symptoms of Exposure: Irritation of skin.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin disorders

Emergency and First Aid Procedures: Skin Contact: Wash affected area with water. Seek medical attention if irritation persists.  
Eye Contact: Flush eyes with copious amounts of water. Seek medical attention if irritation persists  
Ingestion: DO NOT induce vomiting. Seek medical attention.
SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Prevent released material from entering sewer system. Vacuum and drum released material for disposal. Wash spill area with sodium thiosulfate solution and flush with water.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing: Store in cool, dry area away from incompatible materials.

Other Precautions: **KEEP OUT OF REACH OF CHILDREN**

SECTION VIII: CONTROL MEASURES

Respiratory Protection (Specify Type): None normally required

**Ventilation**

Local Exhaust: Recommended

Mechanical

(General): Recommended

Special: NA

Other: NA

Protective Gloves: Chemical resistant gloves

Eye Protection: Goggles or safety glasses

Other Protective Clothing or Equipment: Chemical resistant clothing which will minimize contact with this material.

Work / Hygienic Practices: Good hygienic practice