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**PRODUCT:** PVP Iodine Scrub Solution

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

<b>Hazardous Components</b> (Specific Chemical Identity; Common Name(s))	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>%</b>
<b>Iodine</b> (CAS 7553-56-2)	STEL for I <sub>2</sub> vapor: 0.1 ppm (ceiling)		<b>0.7 – 1.2%</b>	
<b>Glycerin</b> (CAS 56-81-5)	10 mg/m <sup>3</sup> (mist)			<b>1.2%</b>

**SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: > 200° F  
Vapor Pressure (mm Hg.): Not Available  
Vapor Density (AIR = 1): Not Available  
Specific Gravity (H<sub>2</sub>O = 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

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## SECTION V: REACTIVITY DATA

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### **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

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## SECTION VI: HEALTH HAZARD DATA

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### **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.

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## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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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**

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## SECTION VIII: CONTROL MEASURES

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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