



THE TRIAD GROUP
700 W. North Shore Drive
Hartland, Wisconsin 53029
Phone: 262-538-2900
Fax: 262-538-2971
Emergency: 262-538-2900

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PRODUCT: PVP Iodine Scrub Solution

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

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

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