

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Operant Iodine Prep Solution
Note: Brand names are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I - Povidone - Iodine Solution U.S.P.
Manufacturer's Name: **REDI PRODUCTS**
Address (Number, Street, City, State, and ZIP Code):
P.O. Box 126
Prichard Industrial Park
Prichard, West Virginia 25555
Emergency Telephone Number:
CHEMTREC 1-800-424-9309
Telephone Number for Information:
Redi Products 1-304-486-5656
Date Prepared:
November 7, 1986
Signature of Preparer (Optional):
Quality Assurance Manager

Section II - Hazardous Ingredients/Identify Information
Hazardous Components (Specific Chemical Identity, Common Name(s))
OSHA PEL **ACGIH TLV** **Other Limits Recommended** **% from mix**

This product contains disodium phosphate and may contain phosphoric acid used as the pH buffering system in a combined concentration of approximately one (1) percent.

This product contains no other hazardous ingredients.

Section III - Physical/Chemical Characteristics

Boiling Point	207°F	Specific Gravity (H ₂ O = 1)	1.035
Vapor Pressure (mm Hg)	NOT KNOWN	Melting Point	N/A
Vapor Density (H ₂ O = 1)	> 1	Evaporation Rate (Butyl Acetate = 1)	< 1

Solubility in Water: **Soluble. Water will be tinted brown because of available iodine.**
Appearance and Odor: **A dark brown fluid solution. Odor is faint and characteristic.**

Section IV - Fire and Explosion Hazard Data
Flash Point (Method Used): **Not known** **Flammable Limits** **Nonflammable** **LEL** **N/A** **UEL** **N/A**

Extinguishing Media: **No recommendations or restrictions for product.**
Special Fire Fighting Procedures: **Firefighters should be equipped with self-contained breathing apparatus.**

Unusual Fire and Explosion Hazards:
Harsh Iodine fumes are emitted when product is heated to greater than 176°F.

Section V - Reactivity Data

Reactivity	Unstable	Conditions to Avoid	N/A
Stable	X		

Incompatibility (Materials to Avoid): **The elemental iodine is corrosive to some metals (e.g. iron) but is not corrosive to stainless steel as found in healthcare facilities.**

Hazardous Decomposition or Byproducts:
N/A
Hazardous Polymerization:
May Occur: **N/A** Conditions to Avoid: **N/A**
Will Not Occur: **X**

Section VI - Health Hazard Data

ROUTES OF ENTRY: Inhalation? **N/A** Skin? **X** Ingestion? **By accidental or intentional misuse**

HEALTH HAZARDS (ACUTE AND CHRONIC)
Acute Oral Toxicity: **Rats LD50@ 24 hours: 750 mg available iodine/kg. Extrapolation: A 150lb adult would have to drink one gallon of product to reach lethal dose 50.**
Overexposure may occur if excessive amounts are absorbed through broken skin, burns, or deep wounds.

Carcinogenicity: **NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A**

SIGNS AND SYMPTOMS OF EXPOSURE
Skin: **If irritation, redness, pain or swelling persists or increases, discontinue use and consult physician. Operant Iodine Prep should not be used on patients or by personnel with skin sensitivity to iodine.**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Overexposure symptoms reflect iodine overexposure. Severe hypernatremia and acidosis have been reported as well as increased serum iodine levels.

EMERGENCY AND FIRST AID PROCEDURES
Ingestion: **If swallowed, do not induce vomiting. Drink large quantities of water or milk and call a physician immediately.**
Eyes: **Flush with water for 15 minutes and seek medical attention if irritation occurs or persists.**

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled
Large Spills: **(55 gallon drums) Spills should be contained and taken up with absorbent material. Do not discharge into waterways or sewer systems.**
Small Spills: **Take up with absorbent material or flush with water to sewer system.**
Waste Disposal Method
Spilled material and empty containers must be disposed of in accordance with institutional, local, state, and federal regulations.
Precautions To Be Taken in Handling and Storing
Avoid Storing at Excessive Heat (Greater than 104°F).
Other Precautions
Contact manufacturer for disposition of expired product.

Section VIII - Control Measures

Respiratory Protection (Specify Type): **For Hospital and Professional use. Not required. For Industrial Use: If product is misted during manufacture, employees should wear dust/mist respirators unless adequate ventilation is provided.**

Ventilation	Local Exhaust	Acceptable	Special	N/A
	Mechanical (General)	Acceptable	Other	N/A

Protective Gloves: **N/A** Eye Protection: **Avoid contact with eyes. Protective equipment is not necessary.**

Other Protective Clothing or Equipment: **N/A**
Manufacturing Practices: **Indications: Povidone-Iodine Topical Solution is a topical antimicrobial**