



Humco Holding Group, Inc.  
7400 Alumax Dr  
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www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300  
All non-emergency calls should be directed to  
Customer Service at 800-662-3435

**NAME: 1% IODINE TINCTURE**

**SDS NO. 1211**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 1% Iodine tincture

**Synonyms:** None

**Recommended Use:** Patient preoperative skin preparation.

**Manufacturer by:** Humco Holding Group, Inc.

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Flammable liquid category 3, Acute toxicity: category 5
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	Flammable liquid and vapor. May be harmful if swallowed.

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ISOPROPYL ALCOHOL 70%	67-63-0
IODINE 1%	7553-56-2
POTASIMUM IODIDE	7681-11-0
PURIFIED WATER	7732-18-5

The exact percentage has been withheld as a trade secret

#### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Exposure to vapors may cause irritation to the nose, throat, and respiratory tract. Headache and drowsiness may occur.	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Not determined	Do NOT induce vomiting unless directed to so by medical personnel. Never give anything by mouth to an unconscious person. Give milk then give a starch solution made by mixing of two tablespoonsful of cornstarch or flour to a pint of water. Get medical attention immediately.
Skin	Not determined	If irritation occurs, wash with disinfectant soap and water. Get medical attention.
Eyes	Irritation	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	68°F (TCC) - CLOSED CUP
<b>Auto Ignition:</b>	Lowest known: 399 °C (750 °F) (For IPA 99%)
<b>Extinguishing Media:</b>	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.
<b>Products of Combustion:</b>	Upon combustion this product, it may emit toxic gases including: carbon oxides, sodium oxides, iodine, and hydrogen iodide etc.
<b>Fire Fighting Equipment and Procedures:</b>	Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water get in order to prevent pressure build-up, auto-ignition or explosion.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Read entire label before using and follow all label directions. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
<b>Environmental Precautions:</b>	Prevent discharge to open waters.
<b>Method of Containment:</b>	Absorb spilled liquids in inert absorbent material such as clay, vermiculite or diatomaceous earth.
<b>Method for Clean-Up:</b>	Ventilate area of spill or leak. Pump liquid to salvage tank. Mop-up and containerize in approved chemical waste container. Wash spill area with water.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Stay away from ignition source. Do not take internally. Do not consume food, drink or smoke while handling this product. Keep away from oxidizing agents.
<b>Storage:</b>	Keep container tightly closed and in a dry, cool, and well ventilated place. Opened containers must be resealed and kept upright to prevent leakage. Keep away from all ignition source (sparks or flame).

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	Handle as per good industrial hygiene and safety practice. Use explosion proof ventilations as required to control vapor concentration. Ensure that eyewash station and safety showers are in adequate location.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection:</b>	Use safety glasses.
<b>Skin Protection:</b>	Handle with approved nitrile or rubber gloves.
<b>Respiratory Protection</b>	Do not use in very close spaces.
<b>General Hygiene Considerations:</b>	Wash hands after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Reddish-brown liquid	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	Characteristic Iodine and alcohol	<b>Vapor Pressure (mmHg)</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density (air = 1)</b>	Not determined
<b>pH:</b>	Not determined	<b>Relative Density (H<sub>2</sub>O=1):</b>	0.86

<b>Melting point /Freezing Point:</b>	Not determined	<b>Solubility (in water):</b>	Partly soluble
<b>Boiling point/range:</b>	Not determined	<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Flash point</b>	68°F (TCC) - CLOSED CUP	<b>Auto-ignition temperature</b>	Not determined
<b>Evaporation rate (butyl acetate = 1)</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Flammable	<b>Viscosity</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive but may react with strong oxidizing agents.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Heat, sparks, open flame.
<b>Incompatible materials:</b>	Oxidizing agents, slightly reactive to acids, alkalis.
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , Iodine, other hazardous gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	May be toxic upon ingestion due to the presence of large amount of alcohol.
<b>Skin irritation:</b>	May irritate the skin.
<b>Eye contact damage:</b>	Irritating to the eyes.
<b>Respiratory damage:</b>	May cause irritation to respiratory tract.
<b>Ingestion overdose:</b>	May affect CNS (restlessness, excitement, drowsiness, weakness, headache, unconscious etc.), may affect metabolism, blood, gastro system, liver. May affect urinary and cardiovascular systems.
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	Not determined
<b>LD50</b>	Not determined
<b>Symptoms associated with exposure:</b>	Not determined
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Not listed
<b>NTP:</b>	Not listed
<b>IARC:</b>	Not listed

## 12. ECOLOGICAL INFORMATION

<b>Acute or chronic aquatic toxicity:</b>	Not determined.
<b>Chemical degradation:</b>	Not determined.
<b>Biodegradation:</b>	Not determined.
<b>Bioaccumulation potential</b>	Not determined.
<b>Adsorption studies or leaching studies:</b>	Not determined.
<b>Other adverse effects</b>	Not determined.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

### 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification:</b>	Tinctures, Medicinal Flammable
<b>UN number:</b>	1293
<b>UN proper shipping name:</b>	Not available
<b>Transport hazard class(es):</b>	Not available
<b>Packing group number:</b>	Not available
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Keep away from heat, sparks, and ignition sources.

### 15. REGULATORY INFORMATION

Not determined

**16. OTHER INFORMATION**

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