



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
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: MERTHIOLATE**

**SDS NO. 1749**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Merthiolate Tincture

**Synonyms:** Benzalkonium chloride solution

**Recommended Use:** Skin disinfectant

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

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Flammable Liquid – Category 3
<b>Signal Word:</b>	Warning.
<b>Hazard Statements:</b>	Flammable liquid and vapor.

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
Purified Water	7732-18-5
Benzalkonium Chloride 50%	8001-54-5
SDA Alcohol 23A	64-17-5, 67-64-1
FD&C Red #4	25956-17-6

The exact percentage has been withheld as a trade secret

#### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not determined	In case of overdose, contact your regional poison control center or physician immediately.
Ingestion	Not determined	In case of overdose, contact your regional poison control center or physician immediately.
Skin	Not determined	Flush skin with plenty of soap and water. Contact a physician if irritation develops.
Eyes	Not determined	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	Closed cup 5°C (41°F)
<b>Auto Ignition:</b>	363°C (685.4°F)
<b>Extinguishing Media:</b>	Small Fires: Use dry chemicals, CO <sub>2</sub> , water spray or alcohol-resistant foam. Large Fires: Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.
<b>Products of Combustion:</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Fighting Equipment and Procedures:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
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<b>Environmental Precautions:</b>	Prevent discharge to open waters.
<b>Method of Containment:</b>	Eliminate all sources of ignition. All equipment used when handling product must be grounded. Do not touch or walk through spilled material.
<b>Method for Clean-Up:</b>	Collect spillage into a container for disposal according to local/national regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not consume food, drink, or smoke while handling this product.
<b>Storage:</b>	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	Not require under normal conditions of use.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection:</b>	None needed under normal use.
<b>Skin Protection:</b>	None needed under normal use.
<b>Respiratory Protection</b>	None needed under normal use.
<b>General Hygiene Considerations:</b>	Wash hands after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light pink liquid	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	Alcohol odor	<b>Vapor Pressure</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	Not determined	<b>Relative Density:</b>	0.987
<b>Melting point /Freezing Point:</b>	Not determined	<b>Solubilities:</b>	Soluble in water
<b>Boiling point/range:</b>	Not determined	<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Flash point</b>	Closed cup 5°C (41°F)	<b>Auto-ignition temperature</b>	363°C (685.4°F)
<b>Evaporation rate</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Flammable	<b>Viscosity</b>	Not determined

## 10. STABILITY AND RACTIVITY

<b>Reactivity:</b>	This product is stable.
<b>Chemical Stability:</b>	This product is stable
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Avoid contact with incompatible materials, excess heat and ignition, sources, moisture
<b>Incompatible materials:</b>	Slightly reactive to reactive with oxidizing agents, reducing agents, organic materials, metals, acids.
<b>Hazardous Decomposition Products:</b>	Not determined

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Not determined.
<b>Skin irritation:</b>	Not determined.
<b>Eye contact damage:</b>	Not determined.
<b>Respiratory damage:</b>	Not determined.
<b>Ingestion overdose:</b>	Not determined.
<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>	Non-Hazardous
<b>UN number:</b>	Not applicable
<b>UN proper shipping name:</b>	Not applicable
<b>Transport hazard class(es):</b>	Not applicable
<b>Packing group number:</b>	Not applicable
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Do not freeze, avoid extreme heat

## 15. REGULATORY INFORMATION

Not determined

## 16. OTHER INFORMATION

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