



SAFETY DATA SHEET

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Revision Number 3

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: De La Cruz[®] Merthiolate Tincture

Synonyms: Benzalkonium chloride solution

Recommended Use: Skin disinfectant

Labeler/Distributor by: DLC Laboratories, Inc.

7008 Marcelle St.

Paramount, CA 90723 USA

Phone: 562-602-2184

Emergency Phone: 1-800-858-3889

Fax: 562-602-1931

info@dlclabs.com

24-Hour Emergency Number (CHEMTREC)

1- 800-424-9300

2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Flammable liquid category 2
Signal Word:	Warning
Hazard Statements:	Flammable liquid and vapor

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#	WEIGHT %
Purified Water	7732-18-5	45 - 55
Benzalkonium Chloride 50%	8001-54-5	35 - 45
Ethyl Alcohol	64-17-5	< 1
Acetone	67-64-1	< 1
FD&C Red #40	25956-17-6	5 - 10

The exact percentages have 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

Flash Point:	Closed cup 55°F / 12.7°C
Auto Ignition:	Not determined
Extinguishing Media:	Small Fires: Use dry chemicals, CO ₂ , 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.
Products of Combustion:	These products are carbon oxides (CO, CO ₂).
Fire Fighting Equipment and Procedures:	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

Personal Precautions:	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.
Environmental Precautions:	Prevent discharge to open waters.
Method of Containment:	Eliminate all sources of ignition. All equipment used when handling product must be grounded. Do not touch or walk through spilled material.
Method for Clean-Up:	Collect spillage into a container for disposal according to local/national regulations.

7. HANDLING AND STORAGE

Handling:	Do not consume food, drink, or smoke while handling this product.
Storage:	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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light pink liquid	Upper/Lower Flammability:	Not determined
Odor:	Alcohol odor	Vapor Pressure	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	Not determined	Relative Density:	0.987
Melting point /Freezing Point:	Not determined	Solubilities:	Soluble in water
Boiling point/range:	Not determined	Partition coefficient: n-octanol/water:	Not determined
Flash point	55°F / 12.7°C	Auto-ignition temperature	Not determined

Evaporation rate	Not determined	Decomposition Temperature:	Not determined
Flammability:	Flammable	Viscosity	Not determined

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined.
Skin irritation:	Not determined.
Eye contact damage:	Not determined.
Respiratory damage:	Not determined.
Ingestion overdose:	Not determined.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined.
LD50	Not determined.
Symptoms associated with exposure:	Not determined.
Carcinogenicity:	
OSHA	Not listed
NTP	Not listed
IARC	Not listed

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Consumer commodity ORM-D
UN number:	1993
UN proper shipping name:	Consumer commodity ORM-D
Transport hazard class(es):	3
Packing group number:	II
Environmental hazards:	Not applicable
Special precautions:	Do not freeze, avoid extreme heat

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Reported/Included.

Section 313 Supplier Notifications.

This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Canadian Regulations: DSL: included.

European Regulations: EINECS: all chemicals listed.

16. OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of DLC Laboratories. The data on this sheet relates only to the specific material designated herein. DLC assumes no legal responsibility for use or reliance upon these data.