



# SAFETY DATA SHEET

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Revision Number 2

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** De La Cruz<sup>®</sup> Tincture of Iodine

**Synonyms:** Tintura De Yodo

**Recommended Use:** Helps prevent infection in minor cuts, scrapes and burns

**Supplier:** 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](mailto:info@dlclabs.com)

**24-Hour Emergency Number (CHEMTREC)**  
 1- 800-424-9300

## 2. HAZARD IDENTIFICATION

|                           |  |
|---------------------------|--|
| <b>Pictogram:</b>         | A red diamond-shaped hazard pictogram containing a black flame symbol, indicating a flammable liquid hazard. |
| <b>Classification:</b>    | Flammable liquid category 3, Acute toxicity: category 3  |
| <b>Signal Word:</b>       | Warning  |
| <b>Hazard Statements:</b> | Flammable liquid and vapor. May be harmful if swallowed.   |

### 3. COMPOSITION / INGREDIENTS

| CHEMICAL NAME  | CAS#      |
|----------------|-----------|
| ETHYL ALCOHOL  | 64-17-5   |
| IODINE         | 7553-56-2 |
| SODIUM IODIDE  | 7681-82-5 |
| PURIFIED WATER | 7732-18-5 |

The exact percentages 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>                            | 24°C (76°F) - CLOSED CUP   |
| <b>Auto Ignition:</b>                          | The lowest know value is 685.4 °F (Ethyl alcohol 200 proof)  |
| <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 sources (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 ventilation 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 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>    | 0.96           |
| <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>                          | 24°C (76°F) - 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>    | Tinctures, Medicinal Flammable                     |
| <b>Transport hazard class(es):</b> | 3  |
| <b>Packing group number:</b>       | III  |
| <b>Environmental hazards:</b>      | Not applicable                                     |
| <b>Special precautions:</b>        | Keep away from heat, sparks, and ignition sources. |

## **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.**