



Humco Holding Group, Inc.  
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24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300

All non-emergency calls should be directed to  
Customer Service at 800-662-3435

**NAME: TETRACAINE HYDROCHLORIDE, USP** **SDS NO. 8046**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Tetracaine Hydrochloride, USP

**Synonyms:** 2-(Dimethylamino)ethyl p-(butylamino)benzoate monohydrochloride,

**Recommended Use:** Active Pharmaceutical Ingredient

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

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## 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Acute Toxicity - Oral (Category 3) Sensitization - Skin (Category 1) Sensitization - Respiratory (Category 1) Carcinogenicity (Category 2) Germ Cell Mutagenicity (Category 2) Eye Irritation (Category 2A)
<b>Signal Word:</b>	Danger
<b>Hazard Statements:</b>	Toxic if swallowed. Harmful if inhaled or absorbed through skin. May cause an allergic skin reaction. Avoid repeated or prolonged skin contact. Causes serious

	eye irritation. Suspected of causing cancer and genetic defects. The substance is a powerful local anesthetic and should be considered as potentially harmful through exposure by dust inhalation and by ingestion. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Precautionary Statements</b>	<p>Prevention: Wash thoroughly after handling; Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapors, and spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection.</p> <p>Response: IF SWALLOWED: Immediately call a poison center or medical professional; Rinse mouth.</p> <p>IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms call a poison center or medical professional.</p> <p>IF EXPOSED OR CONCERNED: Get medical advice/attention.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p> <p>IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.</p> <p>Storage: Store locked up.</p> <p>Disposal: Dispose of contents and/or container in accordance with local regulations.</p>

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
TETRACAINE HYDROCHLORIDE, USP	136-47-0

The exact percentage has been withheld as a trade secret

### 4. FIRST-AID MEASURES

IN CASE OF EYE CONTACT: Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

IN CASE OF SKIN CONTACT: Wash with soap & water for 15minutes. If irritation persists seek medical aid.

IF SWALLOWED: Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

SYMPTOMS AND EFFECTS: Not expected to present a significant hazard under anticipated conditions of normal use.

## **5. FIRE-FIGHTING MEASURES**

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Not applicable

FLAMMABLE PROPERTIES: May be combustible at high temperature

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions, hazardous fumes will be present.

EXTINGUISHING MEDIA: Small fire: dry chemical, CO<sub>2</sub> or water spray. Large fire: dry chemical, CO<sub>2</sub>, alcohol resistant foam or water spray. Do not get water inside containers.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## **6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

METHODS & MATERIAL FOR CONTAINMENT: On land, sweep or shovel into suitable containers. Minimize generation of dust.

CLEANUP PROCEDURE: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition.

Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

## **7. HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING: Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE CONDITIONS: Store in original container, tightly sealed container, protected from direct sunlight, in a dry, cool and well ventilated area, away from incompatible materials. Store in accordance with local regulations. Eliminate all ignition sources. Separate from oxidizing materials. Containers that

have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Preserve in tight, light-resistant containers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Tetracaine Hydrochloride 136-47-0	N/L	N/L	N/L	N/L

EXPOSURE GUIDELINES: Consult local authorities for provincial or state exposure limits

PERSONAL PROTECTIVE EQUIPMENT: Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin. Respirators: Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SPECIFIC ENGINEERING CONTROLS: Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Fine, White Crystalline Powder	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	Not determined	<b>Vapor Pressure</b>	< 0.0000001 kPa (25°C)
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	4.5 – 6.5 (1%)	<b>Relative Density:</b>	Not determined
<b>Melting point /Freezing Point:</b>	(134 - 150)°C, (273.2-302)°F	<b>Solubilities:</b>	0.200
<b>Boiling point/range:</b>	Not determined	<b>Partition coefficient: n-octanol/water:</b>	0.200
<b>Flash point</b>	>100 °C, >212 °F	<b>Auto-ignition temperature</b>	Not determined
<b>Evaporation rate</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not determined	<b>Viscosity</b>	Not determined

## 10. STABILITY AND REACTIVITY

REACTIVITY: Not established

STABILITY: Stable under recommended storage conditions

MATERIALS TO AVOID: Oxidants, reductants, alkalis, iodine, acids, inorganic and heavy metal salts

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, and other gases may occur.

HAZARDOUS POLYMERIZATION: Will not occur

POSSIBILITY OF HAZARDOUS REACTION: Not established

CONDITIONS TO AVOID: Moisture, sunlight and extreme temperatures

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Oral: Rat: LD50 (mg/Kg): 160 mg/kg

Dermal: Rabbit: LD50: Not available

Inhalation: Rat: LD50: Not available

SKIN CORROSION/IRRITATION: Not available

SERIOUS EYE DAMAGE/EYE IRRITATION: Rabbit, 2 % Irritancy test: Organ: Eyes; Result: Irritant; Severity: Moderate.

RESPIRATORY OR SKIN SENSITIZATION: Local anesthetics may provoke types I and IV hypersensitivity reactions. Type I reactions (e.g. anaphylaxis) to local anesthetics are generally rare. Nevertheless, severe or fatal reactions have been associated

GERM CELL MUTAGENICITY: Tetracaine: Genotoxicity in vitro - Human - HeLa cell: Unscheduled DNA synthesis

CARCINOGENICITY

OSHA: Not listed.

NTP: Not listed.

IARC: Not listed.

California Proposition 65: This product is not known to the State of California to cause cancer, birth defects, or any other reproductive harm

REPRODUCTIVE TOXICITY: Not available.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: Not Available.

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE: Not Available.

ASPIRATION HAZARDS: Not Available.

SIGNS AND SYMPTOMS OF EXPOSURE: Tetracaine has high systemic toxicity. Absorption of tetracaine from mucous membranes is rapid and adverse reactions can occur abruptly without the appearance of prodromal signs or convulsions; fatalities have occurred. May cause restlessness, excitement, nervousness, paresthesia, dizziness, tinnitus, blurred vision, nausea, vomiting, muscle twitching and tremors, convulsions; numbness of the tongue and perioral region, light headedness; excitation may be followed by depression, drowsiness, respiratory failure, coma; myocardial depression and peripheral vasodilatation, hypotension, bradycardia, arrhythmias.

POTENTIAL HEALTH EFFECTS

**Inhalation:** Harmful if inhaled. May cause respiratory tract irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Ingestion:** Toxic if swallowed.

**Skin:** Harmful if absorbed through skin. May cause skin irritation. May cause an allergic skin reaction.

**Eyes:** Causes serious eye irritation.

## 12. ECOLOGICAL INFORMATION

<b>Acute or chronic aquatic toxicity:</b>	No specific information available, but material is not intended to be released to the environment.
<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>	HAZARDOUS MATERIAL
<b>UN number:</b>	2811
<b>UN proper shipping name:</b>	TOXIC SOLID, ORGANIC, N.O.S.
<b>Transport hazard class(es):</b>	6.1
<b>Packing group number:</b>	III
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Do not freeze, avoid extreme heat

## 15. REGULATORY INFORMATION

Not determined

## 16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss,

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