

Section 1. Product and Company Identification

Product Name Tetracaine Hydrochloride
CAS Number 136-47-0

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Acute Toxicity: Oral Category 3

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

Toxic if swallowed

Precautionary Statements

Prevention: Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product

Response: Get medical advice/attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF ON SKIN: Wash with plenty of soap and water

IF INHALED: Move to fresh air.

IF SWALLOWED: Immediately call a poison center or doctor/physician Rinse mouth

Storage: Store locked up

Disposal: Dispose of contents/container to an approved waste disposal plant



Hazards not otherwise classified (HNOC): Not applicable

Section 3. Composition / Information on Ingredients

Common Name Tetracaine Hydrochloride
Synonym(s) (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride)
Formula $C_{15}H_{24}N_2O_2 \cdot HCl$
CAS Number 136-47-0

COMPONENT	CAS NUMBER	CONCENTRATION
Tetracaine Hydrochloride	136-47-0	100%

Section 4. First Aid Measures

Eye contact: Rinse thoroughly with plenty of water.

Skin Contact: If On Skin, Wash with plenty of soap and water. Immediately call a poison center or doctor/physician.

Inhalation: If Inhaled, Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Ingestion: If Swallowed, Immediately call a poison center or doctor/physician. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Section 5. Firefighting Measures

Suitable extinguishing media: Carbon dioxide, dry chemicals, foam, water spray (mist).

Unsuitable Extinguishing Media: No information available.

Specific Hazards Arising from the Chemical

Combustion/explosion hazards: Maybe combustible at high temperatures.

Hazardous Combustion Products: Nitrogen oxides (NOx). Carbon dioxide (CO₂). Carbon monoxide.

Explosion Data

Sensitivity to mechanical impact: None.

Sensitivity to static discharge: None.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and protective suit.



Section 6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions: Prevent product from entering drains. Avoid release to the environment.

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up: Sweep up and shovel into suitable containers for disposal. Residue may be washed down with water.

Section 7. Handling and Storage

Handling: Avoid contact with skin and eyes. Wear personal protective equipment. Avoid dust formation. Take precautionary measures against static discharges

Storage: Keep tightly closed in a dry and cool place. Store locked up.

Incompatible Materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines

Appropriate engineering controls: Showers, Eyewash stations, Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection: Chemical goggles or safety glasses.

Skin Protection: Wear suitable protective equipment.

Respiratory protection: Whenever workplace conditions warrant, wear properly fitted, approved respirator with high-efficiency (dust/fume/mist) filter cartridges.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Appearance: White Solid, Crystalline powder

Odor: No information available

Odor Threshold: No information available

Molecular Weight: 300.8

pH: Not available

Melting point/freezing point: 147 - 150°C / 297 - 302°F

Evaporation Rate: No information available

Flammability (solid, gas): No information available



Flammability Limit in Air

Upper flammability limit: No information available

Lower flammability limit: No information available

Vapor Density: No information available

Relative density: No information available

Solubility

Water Solubility: No information available

Solubility in other solvents: No information available

Auto-ignition temperature: No information available

Decomposition temperature: No information available

Viscosity, kinematic: No information available

Dynamic viscosity: No information available

Explosive Properties: No information available

Oxidizing Properties: No information available

Section 10. Stability and Reactivity

Reactivity Hazard: No data available

Stability: Stable.

Hazardous Reactions: No hazardous reaction expected under normal handling.

Hazardous Polymerization: None under normal processing.

Conditions to Avoid: Protect from light.

Materials to avoid: Iodides, inorganic mercury, silver salts.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: May be harmful by inhalation.

Eye contact: May cause eye irritation.

Skin Contact: May be harmful in contact with skin. May cause sensitization by skin contact.

Ingestion: Toxic if swallowed.

Potential health effects

Acute effects

Skin Corrosion/irritation: May cause skin irritation.

Serious eye damage/eye irritation: May cause irritation to the eyes.

Respiratory irritation: May cause respiratory irritation



Sensitization: May cause sensitization of susceptible persons.

Chronic Effects

Mutagenic Effects: No information available.

Carcinogenicity: There are no known carcinogenic chemicals in this product.

Component	CAS No.	ACGIH Carcinogens	IARC	NTP	OSHA Carcinogens
Tetracaine Hydrochloride	136-47-0	-	-	-	-

Reproductive Effects: None known.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Chronic Effects: Repeated or prolonged exposure to the substance can produce target organs damage.

Target Organ Effects: Central nervous system (CNS).

Aspiration hazard: No information available.

Numerical measures of toxicity

Product Information: No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 160 mg/kg

LD50 Oral: 160 mg/kg (mouse)

Component Information: No information available

Component	Rat Oral LD50	Rabbit Dermal LD50	Rat Inhalation LC50
Tetracaine Hydrochloride	160 mg/kg	-	-

Section 12. Ecological Information

Ecotoxicity

Persistence/Degradability: No information available.

Bioaccumulation/ Accumulation: No information available.

Mobility in Environmental Media: No information available.

Other adverse effects: No information available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.



Section 14. Transport Information

DOT

Proper Shipping Name: Toxic Solid, Organic, N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride)

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

Description: UN 2811, TOXIC SOLID, ORGANIC, N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride)

IMDG/IMO

IMO Class: 6.1

Packing Group: III

UN Number: 2811

IMO Labelling and Marking: Toxic (6)

Proper Shipping Name: Toxic Solid, Organic, N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride)

EmS: F-A, S-A

Marpol - Annex II: Not determined

Marpol - Annex III: Not determined.

Transport Description: UN 2811, TOXIC SOLID, ORGANIC N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride), 6.1, PG III

IATA/ICAO

IATA/ICAO Class: 6.1

Packing Group: III

UN Number: 2811

IATA/ICAO Labelling/Marking: Toxic (6)

Passenger Aircraft: Maximum net quantity per package: 100 Kg

Cargo aircraft only: Maximum net quantity per package: 200 Kg

Proper shipping name: Toxic Solid, Organic, N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride)

Transport Description: UN 2811, TOXIC SOLID, ORGANIC N.O.S. (Benzoic acid, 4-(butylamino)-, 2-(dimethylamino)-ethyl ester, monohydrochloride), 6.1, PG III

Section 15. Regulatory Information

International Inventories	TSCA	DSL	NDSL	AICS	EINECS	ELINCS	ENCS	KECL	PICCS	IECSC	NZIoC
Tetracaine Hydrochloride	-	X	-	X	X	-	-	-	-	-	X



TSCA Statement: This material is exempt from the toxic substances control act (15 USC 2601-2629). Federal law requires this material to be used solely in the manufacturing, processing, or repacking only for pharmaceutical products.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Reportable and Threshold Planning Quantities: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Right-to-Know: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazards

D1B: Toxic materials

D2B: Toxic materials

NFPA

Health: 2

Flammability: 1

Instability: 0

Physical Hazards:

HMIS-

Health: 2

Flammability: 1

Physical Hazards: 0



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 9/25/2015

