



Section 1 - Chemical Product and Company Identification

Product Name Benzethonium Chloride extrapure, 98%
Product Code 27094
CAS No 121-54-0
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
121-54-0	Benzethonium chloride	98%	204-479-9

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful if swallowed. Contact with water liberates toxic gas. Causes burns. Moisture sensitive.

Potential Health Effects

Eye: Causes eye burns. Causes redness and pain.

Skin: Causes skin burns. Causes redness and pain.

Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns. May cause nausea and vomiting.

Inhalation: Causes chemical burns to the respiratory tract. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Chronic:

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures



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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Control / Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 121-54-0

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the 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.

Section 9 - Physical and Chemical Properties

Physical State: solid

Melting Point: 158 - 164 °C - lit.

Molecular Formula: C₂₇H₄₂CINO₂

Molecular Weight: 448.08 g/mol

Section 10 - Stability and Reactivity

Chemical Stability: Moisture sensitive.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Incompatibilities with

Other Materials : Strong oxidizing agents, strong bases.

Hazardous Decomposition

Products : Hydrogen chloride, carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization : Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 121-54-0

LD50/LC50: RTECS: CAS# 121-54-0

LD50 Oral - rat - 295 mg/kg;

Carcinogenicity: Carcinogenicity-rat- Subcutaneous Tumorigenic: Neoplastic by RTECS criteria. Skin and Appendages: Other: Tumors. Tumorigenic: Tumors at site or application

Section 12 - Ecological Information



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Toxicity Toxicity to fish : LC50 - Lepomis macrochirus - 1,4 mg/l - 96,0 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0,22 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae IC50 - Pseudokirchneriella subcapitata (green algae) - 0,12 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria - Bacteria - 35,7 mg/l - 3 h

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	CORROSIVE SOLID, TOXIC, N.O.S (Benzethonium chloride)	CORROSIVE SOLID, TOXIC, N.O.S (Benzethonium chloride)	CORROSIVE SOLID, TOXIC, N.O.S (Benzethonium chloride)
Hazard Class:	8	8	8
UN Number:	1759	1759	1759
Packing Group:	III	III	III

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.