

MATERIAL SAFETY DATA SHEET

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Issue Date:

1- Chemical Product Information and Company Identification.

Product Name: :Benzethonium Chloride 0.004M (0.004N) Analytical Volumetric Solution.
Synonym: : NA.
Product code: : BS12494.
CAS Number: : NA.
Company Name: : Briti Scientific.
Company Address: : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055. Telangana, India.

Section 2- Composition / Information on Ingredients.

Component	CAS No	EC No	Weight %
Benzethonium chloride	121-54-0	204-479-9	< 1
Water	7732-18-5	231-791-2	> 99

Section 3- Hazards Identification.

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Physical hazards

Based on available data, the classification criteria are not met

Health hazards

Based on available data, the classification criteria are not met

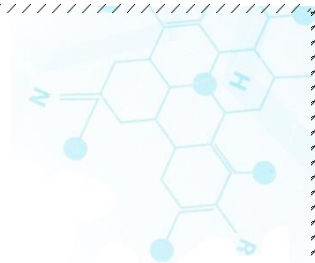
Environmental hazards

Based on available data, the classification criteria are not met

Label elements None required

Other hazards This product does not contain any known or suspected endocrine disruptors





Section 4- First Aid Measures.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Ingestion: Clean mouth with water. Get medical attention.

Most important symptoms and effects: No information available.

Notes to Physician: Treat symptomatically

Section 5- Fire Fighting Measures.

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons No information available.

Special hazards arising from the substance or mixture None reasonably foreseeable.

Hazardous Combustion Products Nitrogen oxides (NO_x), Hydrogen chloride gas.

Advice for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6- Accidental Release Measures.

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use personal protective equipment as required.

Environmental precautions Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up Sweep up and shovel into suitable containers for disposal.

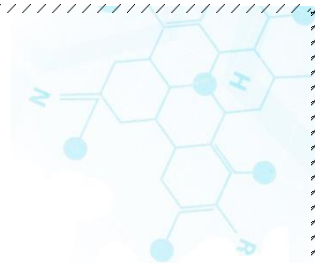
Reference to other sections Refer to protective measures listed in Sections 8 and 13.

Section 7- Handling and Storage.

Precautions for safe handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.





Conditions for safe storage: including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8- Exposure Control/Personal Protection.

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Biological limit values This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

Engineering Measures

None under normal use conditions. Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) (European standard - EN166)

Hand Protection Protective gloves

Respiratory Protection: No protective equipment is needed under normal use conditions

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice

Section 9- Physical and Chemical Properties.

Appearance Clear colourless liquid.

Odor Odorless

Odor Threshold No data available

Melting Point/Range No data available

Softening Point No data available

Boiling Point/Range No information available

Flammability (liquid) No data available

Flammability (solid,gas) Not applicable

Explosion Limits No data available

Autoignition Temperature No data available

Decomposition Temperature No data available

Section 10- Stability and Reactivity.

Reactive Hazard: None known, based on information available

Stability: Stable under normal conditions.

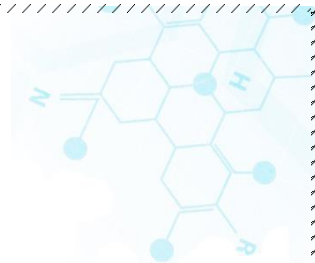
Conditions to Avoid: Incompatible products. Excess heat. Avoid dust

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Nitrogen oxides (NO_x). Hydrogen chloride gas

Hazardous Polymerization: Hazardous polymerization does not occur.





Hazardous Reactions: None under normal processing.

Section 11- Toxicological Information.

Product Information

- (a) **acute toxicity;** Oral Based on available data, the classification criteria are not met Dermal No data available Inhalation No data available
- (b) skin corrosion/irritation; No data available
- (c) serious eye damage/irritation; No data available
- (d) respiratory or skin sensitization; Respiratory No data available Skin No data available
- (e) germ cell mutagenicity; No data available
- (f) carcinogenicity; No data available There are no known carcinogenic chemicals in this product
- (g)) reproductive toxicity; No data available
- (h) STOT-single exposure; No data available
STOT-repeated exposure; No data available Target Organs No information available.
- (i) aspiration hazard; No data available

Symptoms / effects,both acute and delayed No information available

Information on other hazards Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors

Section 12- Ecological Information.

Ecotoxicity Contains a substance which is: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and Degradability Miscible with water, Persistence is unlikely, based on information available

Bioaccumulation/ Accumulation

Bioaccumulation is unlikely

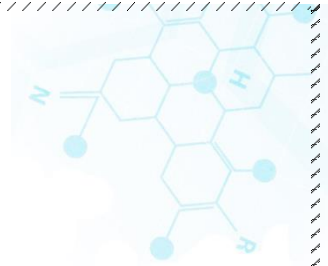
Component	Benzethonium chloride
log Pow	1.08
Bioconcentration factor (BCF)	No data available

Mobility The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils

Section 13- Disposal Considerations.

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.





Section 14- Transport Information.

IMDG/IMO Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

ADR Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

IATA Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

Section 15- Regulatory Information.

Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

U.S. Federal Regulations

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and

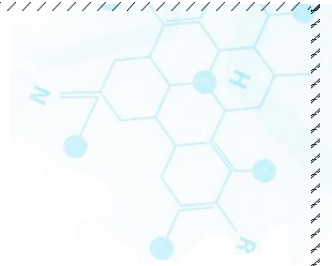
Health Administration

Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals





Section 16- Other Information.

Briti Scientific 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.

