

SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-O-06187
Product Name	Benzyltrimethyltetradecylammonium Chloride
CAS No.	139-08-2
Category	Pesticide Standards
Synonyms	N,N-Dimethyl-N-tetr Benzyltrimethyltetride; Arquad DM 14B90; Cation M 2-100R; Cyncal; Dibactol; Myristalkonium Chloride; Zeph; Zephiramine; Zephiramine Chloride;
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Not available

H318	Causes serious eye damage.
H400	Not available
H410	Not available
H330	Not available

Precautionary Statement(s)

Code	Statement
P260	Not available
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P301+P330+P331	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P302+P361+P354	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available
P317	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Not available
P391	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P271	Use only outdoors or in a well-ventilated area.
P284	Not available

P320	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Benzyltrimethyltetradecylammonium Chloride

CAS Number : 139-08-2

Molecular Formula : C₂₃H₄₂ClN

Molecular Weight : 368.05

Parent Chemical : Zephriol

Synonyms : N,N-Dimethyl-N-tetr Benzyltrimethyltetride; Arquad DM 14B90; Cation M 2-100R; Cyncal; Dibactol; Myristalkonium Chloride; Zeph; Zephiramine; Zephiramine Chloride;

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

- General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms persist or are severe.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: Wash immediately with plenty of water and soap. Get medical attention if irritation develops or persists.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical attention.
- Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- May cause irritation to eyes, skin, and respiratory tract.
- Harmful effects: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
- Special treatment: No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture

- Fire hazard: No data available.
- Hazardous combustion products: No data available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes. Avoid breathing dust/mist.
- Use appropriate personal protective equipment (see Section 8).
- Ensure adequate ventilation.

6.2 Environmental precautions

- Avoid release to the environment. Prevent entry into drains, surface waters, and soil.

6.3 Methods and material for containment and cleaning up

- Contain spill. Collect using inert absorbent material.
- Place in suitable, closed container for disposal.
- Clean contaminated area with water and detergent; avoid generating aerosols.

6.4 Reference to other sections

- See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid contact with eyes, skin, and clothing.
- Avoid breathing dust/mist. Use with adequate ventilation.
- Wash hands thoroughly after handling.
- Keep away from incompatible materials.

7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed container in a cool, dry, well-ventilated place.
- Protect from moisture and contamination.
- Incompatibilities: No data available.

7.3 Specific end use(s)

- Pesticide standard / laboratory use. Specific uses: No data available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Occupational exposure limits: Not available.

- Biological limit values: Not available.

8.2 Exposure controls

- Engineering controls: Use local exhaust ventilation or general ventilation to minimize exposure.
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Wear protective gloves and protective clothing appropriate to the task.
- Respiratory protection: If ventilation is inadequate or aerosol/dust is generated, use appropriate respiratory protection.
- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands after handling. Remove contaminated clothing and wash before reuse.
- Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available

Property	Value
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

- No data available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- No data available.

10.4 Conditions to avoid

- No data available.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: IDENTIFICATION AND USE: Tetradecyldimethylbenzylammonium chloride is a white crystalline powder. It is used as a surfactant and detergent. It is a registered US pesticide used as an algicide, bactericide, bacteriostat, wood preservative, fungicide, fungistat, virucide, tuberculocide, insecticide, microbiocide, microbiostat, molluscicide, deodorant, disinfectant, and sanitizer. HUMAN EXPOSURE AND TOXICITY: Human data could not be located. ANIMAL STUDIES: Tetradecyldimethylbenzylammonium chloride was corrosive in a rabbit dermal test, but it was not sensitizing in guinea pigs. It was not is not carcinogenic based on studies in rats and mice. It is not mutagenic or genotoxic. It was highly active in causing hemolysis of rabbit erythrocytes. /LABORATORY ANIMALS: Acute Exposure/ The degree of primary irritation of alkyldimethylbenzyl ammonium chlorides on rabbit eye mucosa was: dodecyl greater than tetradecyl, octadecyl greater than eicosanyl greater than octyl, and that on the skin was: tetradecyl, dodecyl greater than octodecyl greater than eicosanyl greater than octyl.

- Skin corrosion/irritation: Primary Dermal Irritation, rabbit: Corrosive /ADBAC/ IDENTIFICATION AND USE: Tetradecyldimethylbenzylammonium chloride is a white crystalline powder. It is used as a surfactant and detergent. It is a registered US pesticide used as an algicide, bactericide, bacteriostat, wood preservative, fungicide, fungistat, virucide, tuberculocide, insecticide, microbiocide, microbiostat, molluscicide, deodorant, disinfectant, and sanitizer. HUMAN EXPOSURE AND TOXICITY: Human data could not be located. ANIMAL STUDIES:

Tetradecyldimethylbenzylammonium chloride was corrosive in a rabbit dermal test, but it was not sensitizing in guinea pigs. It was not is not carcinogenic based on studies in rats and mice. It is not mutagenic or genotoxic. It was highly active in causing hemolysis of rabbit erythrocytes.

- Serious eye damage/eye irritation: No data available.

- Respiratory or skin sensitization: No data available.

- Germ cell mutagenicity: IDENTIFICATION AND USE: Tetradecyldimethylbenzylammonium chloride is a white crystalline powder. It is used as a surfactant and detergent. It is a registered US pesticide used as an algicide, bactericide, bacteriostat, wood preservative, fungicide, fungistat, virucide, tuberculocide, insecticide, microbiocide, microbiostat, molluscicide, deodorant, disinfectant, and sanitizer. HUMAN EXPOSURE AND TOXICITY: Human data could not be located. ANIMAL STUDIES: Tetradecyldimethylbenzylammonium chloride was corrosive in a rabbit dermal test, but it was not sensitizing in guinea pigs. It was not is not carcinogenic based on studies in rats and mice. It is not mutagenic or genotoxic. It was highly active in causing hemolysis of rabbit erythrocytes.

/GENOTOXICITY/ ADBAC is not mutagenic or genotoxic. /ADBAC/

- Carcinogenicity: IDENTIFICATION AND USE: Tetradecyldimethylbenzylammonium chloride is a white crystalline powder. It is used as a surfactant and detergent. It is a registered US pesticide used as an algicide, bactericide, bacteriostat, wood preservative, fungicide, fungistat, virucide, tuberculocide, insecticide, microbiocide, microbiostat, molluscicide, deodorant, disinfectant, and sanitizer. HUMAN EXPOSURE AND TOXICITY: Human data could not be located. ANIMAL STUDIES: Tetradecyldimethylbenzylammonium chloride was corrosive in a rabbit dermal test, but it was not sensitizing in guinea pigs. It was not is not carcinogenic based on studies in rats and mice. It is not mutagenic or genotoxic. It was highly active in causing hemolysis of rabbit erythrocytes. /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ ADBAC is not carcinogenic based on studies in rats and mice. /ADBAC/

- Reproductive toxicity: No data available.

- STOT-single exposure: No data available.

- STOT-repeated exposure: /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ ADBAC is not carcinogenic based on studies in rats and mice. /ADBAC/

- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

SECTION 12: Ecological information

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12.1 Toxicity

- No data available.

12.2 Persistence and degradability

- No data available.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in soil

- No data available.

12.5 Results of PBT and vPvB assessment

- Not available.

12.6 Endocrine disrupting properties

- No data available.

12.7 Other adverse effects

- No data available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.
- Contaminated packaging: Dispose of as unused product unless cleaned according to applicable regulations.
- Waste codes: Not available.

SECTION 14: Transport information

SECTION 14: Transport information

- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- Transport in bulk according to IMO instruments: Not available.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulatory inventories/status: Not available.
- Pesticide regulations: Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Product name: Benzyldimethyltetradecylammonium Chloride
- CAS No.: 139-08-2
- Catalog No.: CS-O-06187
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer

- The information provided is based on available product identification details and is intended for SDS preparation purposes. No warranty is expressed or implied. Users are responsible for determining applicability and compliance with applicable regulations.

Revision information

- Revision date: Not available
- Version: Not available

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