

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

## MATERIAL SAFETY DATA SHEET (MSDS)

### CETRIMIDE LR (TETRADECYLTRIMETHYL AMMONIUM BROMIDE)

#### 1 - Chemical Product

Product Name:Tetradecyltrimethyl Ammonium Bromide  
 Synonym:None

Cas no:1119-97-7

Product coad: C0063300100

Molecular Formula: CH<sub>3</sub>(CH<sub>2</sub>)<sub>13</sub>NBr(CH<sub>3</sub>)<sub>3</sub>  
 Molecular Weight: 588.4287

#### 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
1119-97-7	Tetradecyltrimethyl ammonium Bromide	100.0	214-291-9

Hazard Symbols: XN  
 Risk Phrases: 20/21/22

#### 3 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed.

Potential Health Effects

Eye:May cause severe eye irritation. May result in corneal injury.

Skin:May cause skin irritation.

Ingestion:May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation:May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:No information found.

#### 4 - FIRST AID MEASURES

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

Skin:Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

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

Notes to Physician:

#### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

#### 6 - ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks:Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

#### 7 - HANDLING and STORAGE

Handling:Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

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Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 1119-97-7: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: white to off-white

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 254-250C

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Soluble in water.

Specific Gravity/Density: Not available.

Molecular Formula: CH<sub>3</sub>(CH<sub>2</sub>)<sub>13</sub>NBr(CH<sub>3</sub>)<sub>3</sub>

Molecular Weight: 588.4287

**10 - STABILITY AND REACTIVITY**

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, strong oxidants.

Incompatibilities with Other Materials:

Strong oxidizers.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 1119-97-7: BS5776000 LD50/LC50:

CAS# 1119-97-7: Oral, rat: LD50 = 3900 mg/kg.

Carcinogenicity:

Tetradecyltrimethyl ammonium Bromide - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION**

Other No information available.

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**MATERIAL SAFETY DATA SHEET (MSDS)****CETRIMIDE LR (TETRADECYLTRIMETHYL AMMONIUM BROMIDE)****13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

**14 - TRANSPORT INFORMATION**

IATA

Shipping Name: TOXIC SOLID, ORGANIC, NOS

Hazard Class: 6.1

UN Number: 2811

Packing Group: II

IMO

Shipping Name: TOXIC SOLID, ORGANIC, NOS

Hazard Class: 6.1

UN Number: 2811

Packing Group: II

RID/ADR

Shipping Name: TOXIC SOLID, ORGANIC, NOS

Hazard Class: 6.1

UN Number: 2811

Packing group: II

**15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin, wash immediately with...

WGK (Water Danger/Protection)

CAS# 1119-97-7: No information available.

Canada

CAS# 1119-97-7 is listed on Canada's DSL List.

CAS# 1119-97-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 1119-97-7 is listed on the TSCA inventory.

**16. Other Information****Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** 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.

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