

## CETRIMIDE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** CETRIMIDE  
**Product Code:** 584  
**CAS#:** 57-09-0  
**Chemical Formula:** C<sub>14</sub>H<sub>42</sub>NBr  
**Molecular Formula:** Not available

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** CETRIMIDE  
**Chemical Formula:** Not available  
**Molecular Formula:** Not available **Product Name:** CETRIMIDE  
**Product Code:** 584  
**CAS#:** 57-09-0  
**Chemical Formula:** C<sub>14</sub>H<sub>42</sub>NBr  
**Molecular Formula:** Not available

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**  
Classification according to Regulation (EC) No 1272/2008  
**Acute toxicity, Oral** (Category 4), H302  
**Skin irritation** (Category 2), H315  
**Serious eye damage** (Category 1), H318  
**Specific target organ toxicity - single exposure** (Category 3),  
**Respiratory system**, H335  
**Specific target organ toxicity - repeated exposure, Oral** (Category 2),  
**Gastrointestinal tract**, H373  
**Acute aquatic toxicity** (Category 1), H400

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.  
**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.  
**Serious Skin Contact:** Not available.  
**Serious Inhalation:** Not available.  
**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.  
**Serious Ingestion:** Not available.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability of the Product:** May be combustible at high temperature.



**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not applicable

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the

Contaminated surface and allow evacuating through the sanitary system.

## SECTION 7: HANDLING AND STORAGE

**Precautions:** Keep away from heat. Keep away from sources of ignition.

**Storage:** Store in cool, dry place in closed containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls**

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state and appearance</b>	<b>Form</b>	: White color powder.
<b>Odour</b>		: Not available
<b>Taste</b>		: Not available
<b>Molecular Weight</b>		: Not available
<b>Colour</b>		: Not available
<b>pH</b>		: Not available



Boiling Point	: Not available
Melting Point	: Not available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Completely soluble in water

#### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Not available.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Reactive with acids, metals and oxidizing agents.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** No

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicity to Animals:**

**LD50:** Not available.

**LC50:** Not available.

**Chronic Effects on Humans:** Not available.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Potential Health Effects: No acute exposure studies were found for CETRIMIDE in humans. The dust is predicted to be irritating to the eyes, skin, and respiratory tract from mechanical action.

#### SECTION 12: ECOLOGICAL INFORMATION

**Eco toxicity:** Not available.

**BOD5 and COD:** Not available..

**Toxicity of the Products of Biodegradation:** Not available.

**Mobility in soil:** Not available

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

**UN number:**

**ADR/RID:** 3077

**IMDG:** 3077

**IATA:** 3077

**UN proper shipping name**



**ADR/RID:** environmentally hazardous substance, solid, N.O.S. (N-Cetyl-N'N'Ntrimethylammonium bromide)

**IMDG:** environmentally hazardous substance, solid, N.O.S. (N-Cetyl-N'N'Ntrimethylammonium bromide)

**IATA:** environmentally hazardous substance, solid, N.O.S. (N-Cetyl-N'N'Ntrimethylammonium bromide)

**Transport hazard class (es):**

**ADR/RID:** 9

**IMDG:** 9

**IATA:** 9

**Packaging group:**

**ADR/RID:** III

**IMDG:** III

**IATA:** III

**Environmental hazards:**

**ADR/RID:** YES

**IMDG Marine pollutant:** YES

**IATA:** YES

**Special precautions for user:**

Tunnel restriction code: (-)

**Further information:**

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids. Packages smaller than or equal to 5 kg / L , not dangerous goods

## SECTION 15: OTHER REGULATORY INFORMATION

**Federal and State Regulations:** TSCA 8(b) inventory: Not available.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSD (EEC):**

This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

## SECTION 16: OTHER INFORMATION

**References:** Not available.

**Other Special Considerations:** Not available.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.