



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Cetrimide Powder**
- **Synonyms:** Cetrimonium Bromide, CTAB

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Antiseptic, surfactant, pharmaceutical intermediate

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Cetrimonium Bromide	57-09-0	≥ 95%

Additional Notes:

- **Impurities:** May contain trace moisture (<1%).



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Acute Toxicity (Oral, Category 4)
- Skin Irritation (Category 2)
- Eye Damage (Category 1)
- Hazardous to Aquatic Life (Chronic, Category 2)

Hazard Statements (H-Codes):

- H302 (Harmful if swallowed)
- H315 (Causes skin irritation)
- H318 (Causes serious eye damage)
- H411 (Toxic to aquatic life)

Precautionary Statements (P-Codes):

- P264 (Wash hands thoroughly after handling)
- P280 (Wear protective gloves/eye protection)
- P305+P351+P338 (IF IN EYES: Rinse cautiously with water)
- P273 (Avoid release to the environment)

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; seek medical attention if breathing difficulty occurs.
- **Skin Contact:** Wash with soap and water; remove contaminated clothing.
- **Eye Contact:** Rinse immediately with water for 15 mins; consult an ophthalmologist if irritation persists.
- **Ingestion:** Rinse mouth, drink water; **DO NOT induce vomiting.** Seek medical help if symptoms appear.

5. FIRE FIGHTING MEASURES

- Extinguishing Media: CO₂, dry chemical, or foam
- Hazardous Combustion Products: CO, CO₂, nitrogen oxides, hydrogen bromide gas
- Protective Equipment: Powder may form dust clouds in air.



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6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - **Personal Precautions:** Wear P95 dust mask, goggles, and gloves.
 - **Environmental Precautions:** Prevent powder dispersal into air/water.
 - **Cleanup Methods:** Carefully sweep up and place in a sealed container.

7. HANDLING AND STORAGE

- **Handling:**
 - Use in dust-controlled environments
 - Avoid creating airborne dust
- **Storage:**
 - Store in airtight containers in a cool, dry place
 - Keep away from strong oxidizers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation required
- **PPE:**
 - **Respiratory:** NIOSH-approved N95/P95 mask
 - **Gloves:** Nitrile or neoprene
 - **Eye Protection:** Tight-fitting goggles
 - **Body Protection:** Lab coat with cuffs

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White crystalline powder
Odor	Slight amine-like
Melting Point	230-235°C (decomposes)
Solubility in Water	Freely soluble
pH (1% solution)	5.0 - 7.0



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10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under normal conditions

Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

Hazardous Decomposition Products:

- Thermal decomposition releases HBr gas

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- LD₅₀ (oral, rat) ~400 mg/kg

Skin Effects:

- Prolonged contact may cause dermatitis

Carcinogenicity:

- Causes severe damage (powder form is particularly hazardous)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

- **Aquatic Toxicity:** LC₅₀ (fish) <1 mg/L
- **Biodegradation:** Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Incinerate in approved facility with scrubber for HBr removal
- Never dispose in waterways



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14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods

15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant

16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.