



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Strong Cetrimide Solution 40%**
- **Synonyms:** Cetrimonium Bromide Solution, CTAB Solution

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	40%

Additional Notes:

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



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Acute toxicity, Oral (Category 3)
- Skin corrosion/irritation (Category 2)
- Serious eye damage (Category 1)
- Hazardous to aquatic environment (Chronic 1)

Hazard Statements (H-Codes):

- H301: Toxic if swallowed
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H410: Very toxic to aquatic life

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: Alcohol-resistant foam, CO₂, dry chemical
- Hazardous Combustion Products: Hydrogen bromide gas, nitrogen oxides
- Protective Equipment: Powder may form dust clouds in air.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - Contain with inert absorbent material
 - Prevent entry into drains/waterways
 - **Environmental Precautions:** Highly toxic to aquatic organisms



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7. HANDLING AND STORAGE

- **Handling:**
 - Use in dust-controlled environments
 - Avoid creating airborne dust
- **Storage:**
 - Store in original containers at 15-30°C
 - Keep away from oxidizers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation required
- **PPE:**
 - Nitrile gloves (≥0.4mm)
 - Chemical goggles + face shield
 - Lab coat

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless to pale yellow liquid
Odor	Characteristic amine
pH (10% solution)	5.0 - 7.0
Solubility in Water	Fully miscible

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



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- LD_{50} (rat) = 200 mg/kg

Skin Effects:

- May cause allergic dermatitis

Carcinogenicity:

- Causes severe damage (powder form is particularly hazardous)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

- **Aquatic Toxicity:** LC_{50} (fish) = 0.5 mg/L
- **Biodegradation:** Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose as hazardous waste through licensed contractor

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods



SWADESH(INDIA) CHEMICAL PVT.LTD.

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.