



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- **Chlorhexidine Gluconate (Powder)**
- **Synonyms:** Chlorhexidine digluconate, CHG

**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](mailto:business@swadeshindia.in)
- Website: [www.swadeshindia.in](http://www.swadeshindia.in)

**Recommended Use:**

- Antiseptic, disinfectant, pharmaceutical intermediate

### 2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Chlorhexidine Gluconate	18472-51-0	≥ 95%

**Additional Notes:**

- **Impurities:** May contain trace ethylene oxide (<1 ppm) from manufacturing.



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## 3. HAZARDS IDENTIFICATION

### GHS Classification:

- Skin Irritation (Category 2)
- Eye Irritation (Category 2A)
- Acute Toxicity (Oral, Category 4)

### Hazard Statements (H-Codes):

- H315 (Causes skin irritation)
- H319 (Causes serious eye irritation)
- H302 (Harmful if swallowed)

### Precautionary Statements (P-Codes):

- P264 (Wash hands thoroughly after handling)
- P305+P351+P338 (IF IN EYES: Rinse cautiously with water for several minutes)
- P301+P312 (IF SWALLOWED: Call a poison center/doctor if you feel unwell)

## 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: Use CO<sub>2</sub>, dry chemical, foam, or water spray.
- Hazardous Combustion Products: CO, CO<sub>2</sub>, nitrogen oxides, hydrogen chloride gas.
- Protective Equipment for Firefighters: Wear self-contained breathing apparatus (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
  - Personal Precautions: Wear gloves, goggles, and mask.
  - Environmental Precautions: Prevent entry into drains/waterways.
  - Cleanup Methods: Collect with inert absorbent (e.g., sand). Dispose per local regulations.



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## 7. HANDLING AND STORAGE

- **Handling:**
  - Use in well-ventilated areas. Avoid dust formation.
- **Storage:**
  - Store in a cool, dry place in a tightly sealed container.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation.
- **PPE:**
  - Nitrile gloves, lab coat.
  - **Ventilation:** Local exhaust recommended.
  - Eye Protection: Safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White to off-white powder
Odor	Odorless
Melting Point	~132-136°C (decomposes)
Solubility in Water	Highly soluble
pH (1% solution)	5.5 - 7.0

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

- Stable under normal conditions

### Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

### Hazardous Decomposition Products:

- Thermal decomposition may release toxic fumes (HCl, NO<sub>x</sub>).



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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

- LD<sub>50</sub> (oral, rat) ~2000 mg/kg (low toxicity).

### Skin Irritation:

- Irritant. Prolonged exposure may cause dermatitis.

### Carcinogenicity:

- Not classified as carcinogenic (IARC, NTP).

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

- Toxic to aquatic life (LC<sub>50</sub> for fish: ~10 mg/L).
- Persistence/Bioaccumulation: Not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Dispose in accordance with local regulations
- Incineration recommended

## 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.