



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- **Chlorhexidine Gluconate 20% Solution**
- **Synonyms:** CHG 20%, Chlorhexidine digluconate

**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, surgical scrub, disinfectant

### 2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Chlorhexidine Gluconate	18472-51-0	20%

**Additional Notes:**

- **Impurities:** Contains <0.1% stabilizers (may include citric acid or sodium citrate).



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 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 with long-lasting effects)

### 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: Water spray, alcohol-resistant foam, CO<sub>2</sub>
- Hazardous Combustion Products: Forms corrosive vapors (HCl) when heated above 100°C.
- Protective Equipment for Firefighters: SCBA and chemical-resistant suit for large fires.



# SWADESH(INDIA) CHEMICAL PVT.LTD.

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

- **Spill Response:**

- Small Spills: Dilute with water and absorb with inert material.
- Large Spills: Contain with sand or earth.

- **Environmental Precautions:**

- Prevent entry into sewers or watercourses.

## 7. HANDLING AND STORAGE

- **Handling:**

- Use in well-ventilated areas.
- Avoid contact with eyes and mucous membranes.

- **Storage:**

- Store in HDPE containers at 15-30°C.
- Protect from freezing and direct sunlight.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation sufficient.

- **PPE:**

- **Gloves:** Nitrile (minimum 0.11mm thickness)
- **Eye Protection:** Chemical goggles
- **Body Protection:** Lab coat/apron

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless to pale yellow liquid
Odor	Faint characteristic
pH	5.0 - 7.0
Density	~1.06 g/cm <sup>3</sup>
Boiling Point	~100°C (water)



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

- Stable under normal conditions

### Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

### Hazardous Decomposition Products:

- May release chlorine compounds when heated.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

- LD<sub>50</sub> (rat) >2000 mg/kg

### Skin Irritation:

- May cause allergic reactions in some individuals.

### Carcinogenicity:

- Not classified as carcinogenic (IARC, NTP).

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

- **Aquatic Toxicity:** EC<sub>50</sub> (Daphnia) 4.2 mg/L (96h)
- **Biodegradation:** Not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Dilute with water and neutralize before disposal.
- Follow local regulations for antiseptic waste.



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 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.