



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- Di ethylene Glycol (DEG)
- Synonyms: 2,2'-Oxybis(ethanol), Diglycol, DEG

**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:**

- Solvent, humectant, chemical intermediate, antifreeze component.

### 2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Diethylene Glycol	107-21-1	≥99%

**Additional Notes:** May contain trace impurities (diethylene glycol, glycol ethers).



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 3. HAZARDS IDENTIFICATION

### GHS Classification:

- Acute Toxicity (Oral): Category 3 (H301)
- Eye Irritation: Category 2 (H319).
- Skin Irritation: Category 3 (H316)

### Hazard Statements:

- Toxic if swallowed.
- Causes serious eye irritation.
- May cause mild skin irritation.

### Precautionary Statements:

- P301 + P310: If swallowed, seek medical attention immediately.
- P305 + P351 + P338: Rinse eyes thoroughly for 15 minutes.
- P280: Wear gloves/eye protection.

## 4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes; seek medical help.
- **Skin Contact:** Wash with soap/water; remove contaminated clothing.
- **Ingestion:** Immediate medical attention required. Do NOT induce vomiting.
- **Inhalation:** Unlikely (low volatility); move to fresh air if needed.

## 5. FIRE FIGHTING MEASURES

- **Flash Point:** 143°C (closed cup).
- **Autoignition Temp.:** 229°C.
- **Extinguishing Media:** Alcohol-resistant foam, CO<sub>2</sub>, dry chemical.
- **Special Hazards:** CO, CO<sub>2</sub>.

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

- **Containment:** Absorb with inert material (sand, vermiculite).
- **Cleanup:** Collect in sealed containers; avoid environmental release.



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 7. HANDLING AND STORAGE

- **Handling:**
  - Use in well-ventilated areas; avoid skin/eye contact.
- **Storage:**
  - Keep in tightly closed containers away from oxidizers (e.g., nitric acid).

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation.
- **PPE:**
  - Nitrile gloves, safety goggles, lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Colorless liquid
Odor	Odorless
Boiling Point	245°C
Melting Point	-10°C
Density (20°C)	1.118 g/cm <sup>3</sup>
Solubility	Miscible in water

## 10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Incompatibilities:** Strong oxidizers (e.g., peroxides, nitric acid).
- **Hazardous Decomposition:** CO/CO<sub>2</sub> at high temps.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity (Oral, Rat):

- Oral LD50 (rat): 12,500 mg/kg (less toxic than MEG but more than TEG).
- Dermal LD50 (Rabbit): >20,000 mg/kg (low skin absorption).

**Chronic Effects:** Kidney/liver damage possible with prolonged exposure.



# SWADESH(INDIA) CHEMICAL PVT.LTD.

## 12. ECOLOGICAL INFORMATION

### Biodegradability:

- Readily biodegradable

### Aquatic Toxicity:

- LC50 (Fish): >1,000 mg/L (low toxicity).

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Dispose as hazardous waste via incineration or licensed facilities.

## 14. TRANSPORT INFORMATION

### DOT/IMO/IATA:

- Not classified as hazardous for transport (check local regulations).

## 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.