



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Propylene Glycol (PG)**
- **Synonyms:** 1,2-Propanediol, PG

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:

- Humectant, solvent, antifreeze, food additive, pharmaceutical/cosmetic applications.

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Propylene Glycol	57-55-6	≥99.5%

Additional Notes: May contain trace impurities (ethylene glycol, glycerol).



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Eye Irritation: Category 2 (H319).
- Skin Irritation: Category 3 (H316).

Hazard Statements:

- Causes mild eye irritation.
- May cause mild skin irritation.

Precautionary Statements:

- P305 + P351 + P338: Rinse eyes carefully for several minutes.
- P280: Wear gloves/eye protection if prolonged exposure is expected.

4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes; seek medical advice if irritation persists.
- **Skin Contact:** Wash with soap and water.
- **Ingestion:** Low toxicity; rinse mouth. Seek medical attention if >30 mL is ingested.
- **Inhalation:** Unlikely (low volatility); move to fresh air if discomfort occurs.

5. FIRE FIGHTING MEASURES

- **Flash Point:** 99°C (closed cup).
- **Autoignition Temp.:** 371°C.
- **Extinguishing Media:** Water spray, foam, CO₂, dry chemical.
- **Special Hazards:** Combustible at high temperatures.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

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

7. HANDLING AND STORAGE

- **Handling:**
 - Use general ventilation; avoid prolonged skin contact.
- **Storage:**
 - Keep in tightly closed containers away from strong oxidizers.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Not typically required (low hazard).
- **PPE:**
 - Safety goggles, nitrile gloves (for prolonged handling).

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Colorless liquid
Odor	Odorless
Boiling Point	188°C
Melting Point	-59°C
Density (20°C)	1.036 g/cm ³
Solubility	Miscible in water

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Incompatibilities:** Strong oxidizers (e.g., nitric acid).
- **Hazardous Decomposition:** CO/CO₂ at high temps.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral, Rat):

- Oral LD50 (rat): 20,000 mg/kg (practically non-toxic).
- Dermal LD50 (Rabbit): >20,000 mg/kg.

Chronic Effects: No significant evidence of carcinogenicity or reproductive toxicity.

12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable (>80% in 28 days).

Aquatic Toxicity:

- LC50 (Fish): >10,000 mg/L (very low toxicity).



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13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose via incineration or licensed waste facilities (non-hazardous).

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not regulated as hazardous.

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.