SAFETY DATA SHEET

PROPYLENE GLYCOL (TECHNICAL GRADE)

CAS No.: 57-55-6

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Propylene Glycol (Technical Grade)
CAS Number	57-55-6
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 7092722822, +91 - 9840284032 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Not classified

HAZARD CLASSIFICATION
None assigned

HAZARD STATEMENTS
None assigned

PRECAUTIONARY STATEMENTS
None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Propylene Glycol (Technical Grade)
CAS Number	57-55-6
Physical State	Liquid
Appearance / Odour	Clear, colorless, viscous liquid; practically odorless.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present; seek medical attention if irritation persists.
Skin Contact	Wash with plenty of water; remove contaminated clothing; not expected to be irritating under normal use.
Inhalation	Move to fresh air; not expected to be hazardous by inhalation under normal use; mist/vapor at high concentration may cause mild irritation.
Ingestion	Rinse mouth with water; not expected to require treatment for small amounts; seek medical advice if a large quantity is swallowed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray/fog, carbon dioxide, dry chemical, alcohol-resistant foam.
Unsuitable Extinguishing Media	None known; avoid a solid water stream that could spread burning liquid.
Special Hazards	Combustible liquid with a relatively high flash point; heating may release irritating vapors/fumes; combustion produces carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Measures	Contain the spill, absorb with inert absorbent material, and collect in suitable containers; spilled material is slippery; ventilate the area; avoid large discharge to drains/waterways.

7. HANDLING AND STORAGE

Handling Precautions	Avoid eye contact; use with adequate ventilation; keep away from open flames and heat sources; follow good hygiene/handling practices for industrial liquids.
Storage Conditions	Store in tightly closed containers in a cool, dry, well-ventilated area away from strong oxidizing agents and open flames; hygroscopic, protect from moisture ingress.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	ACGIH TLV of 10 mg/m3 (TWA) commonly referenced for propylene glycol aerosol/mist; use safety glasses and gloves; respiratory protection not normally needed under typical handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Clear, colorless, viscous liquid; practically odorless.
Boiling Point	Approximately 187 C
Melting Point	Approximately -59 to -60 C (freezing point)
Flash Point	Approximately 99-107 C (closed cup)
Density / Specific Gravity	Approximately 1.036-1.040 (at 20 C)
Water Solubility	Miscible with water in all proportions
pH Value	Not applicable (neutral organic liquid, not acid/base classified)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling; hygroscopic; combustible at elevated temperatures.
Incompatible Materials	Strong oxidizing agents, strong acids.
Hazardous Decomposition	Thermal decomposition may produce carbon monoxide, carbon dioxide, and traces of aldehydes (e.g., propionaldehyde).

11. TOXICOLOGICAL INFORMATION

Summary	Very low acute toxicity (rat oral LD50 approximately 20,000 mg/kg); not classified as an irritant, sensitizer, mutagen, reproductive toxicant, or carcinogen. Widely used industrial solvent, humectant and heat-transfer ingredient with a long history of safe industrial use.

12. ECOLOGICAL INFORMATION

Summary	Readily biodegradable; low toxicity to aquatic organisms; not expected to bioaccumulate; may contribute to biochemical oxygen demand in concentrated discharges.

13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local/national regulations; biodegradable material suitable for conventional wastewater/waste treatment where permitted; avoid large uncontrolled discharge.

14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Technical (industrial) grade for industrial use only; not intended for food, pharmaceutical or cosmetic use. Not classified as hazardous under GHS.

16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	13 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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