

PRODUCT IDENTIFICATION



Product Name: Propylene Glycol 60% Technical Grade

CAS Number: 57-55-6

Molecular Formula: C₃H₈O₂

Molecular Weight: 76.09 g/mol

Grade: Technical Grade

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Propylene Glycol 60% Technical Grade is a clear, colorless, and slightly viscous liquid designed for versatile industrial and laboratory applications. This solution offers reliable performance with a specific gravity of 1.043, serving as a stable component for various formulations.

Grade Significance: Technical Grade indicates that this product is manufactured for industrial use, prioritizing cost-effective performance where pharmaceutical or food-grade purity is not required.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless, slightly viscous liquid	Form	Liquid
Boiling Point	188°C (370°F)	Melting / Freezing Point	-59°C (-74°F)
Flash Point	104°C (pure)	Specific Gravity	1.043
Solubility	Fully miscible with water	Molecular Formula	C ₃ H ₈ O ₂
Molecular Weight	76.09 g/mol		

APPLICATIONS

- Industrial Manufacturing** — Utilized as a chemical intermediate or solvent in the production of resins and specialized industrial compounds.
- Laboratory Research** — Serves as a stable, consistent reagent for general laboratory testing and experimental setups.
- Heat Transfer** — Functions as a key component in fluid systems requiring reliable thermal regulation and freeze protection.
- Automotive Maintenance** — Used in the formulation of non-toxic antifreeze and coolant additives for heavy-duty machinery.

STORAGE & HANDLING

Proper storage is essential to maintain the chemical integrity and purity of the solution over time. Keep the container tightly sealed in a cool, well-ventilated area to prevent contamination or moisture absorption, which could alter its physical properties.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Warning**

No GHS pictograms assigned.

Hazard Statements:

- Not Classified
- Reported as not meeting GHS hazard criteria by 6762 of 6899 companies (only 2% companies provided GHS information). For more detailed information, please visit ECHA C&L website.

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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