

PRODUCT IDENTIFICATION



Product Name: Propylene Glycol 60% Inhibited

CAS Number: 57-55-6

Molecular Formula: C₃H₈O₂

Molecular Weight: 76.09 g/mol

Grade: Technical

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Propylene Glycol 60% Inhibited is a high-performance, technical-grade heat transfer fluid designed for reliable thermal management. This clear, colorless liquid provides consistent protection and stability for demanding industrial applications requiring inhibited glycol solutions.

Grade Significance: Technical grade indicates that the product is manufactured specifically for industrial and laboratory applications where high functional performance is required but pharmaceutical or food-grade purity is not necessary.

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

- HVAC and Refrigeration** — Utilized as a secondary coolant in closed-loop systems to prevent freezing and overheating while inhibiting internal corrosion.
- Industrial Manufacturing** — Acts as a stable heat transfer medium for process equipment, ensuring consistent temperature regulation during production cycles.
- Laboratory Research** — Serves as a reliable solvent or chemical intermediate in various controlled laboratory processes and experimental setups.
- Automotive and Heavy Machinery** — Used in specialized cooling systems to protect engine components from rust and scale buildup over extended operational periods.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the integrity of the chemical inhibitors and prevent contamination. Keeping the container tightly sealed protects the fluid from moisture absorption and oxidation, ensuring it remains effective for its intended industrial use.

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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