

PRODUCT IDENTIFICATION



Product Name: Propylene Glycol 60% Inhibited

CAS Number: 57-55-6

Molecular Formula: $C_3H_8O_2$

Molecular Weight: 76.09 g/mol

Grade: Inhibited

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Propylene Glycol 60% Inhibited is a high-quality, clear, and colorless liquid formulated for industrial applications requiring consistent performance. This inhibited grade offers a reliable concentration of 60% active ingredient, ensuring stable chemical properties for laboratory and manufacturing environments.

Grade Significance: The inhibited grade indicates that specific chemical additives have been included to prevent corrosion and oxidation within your equipment. For the end user, this means significantly reduced maintenance costs and an extended lifespan for your metal piping and machinery.

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	$C_3H_8O_2$
Molecular Weight	76.09 g/mol		

APPLICATIONS

- HVAC and Refrigeration** — Used as a heat transfer fluid in secondary cooling systems to prevent freezing and overheating. The inhibited formula provides essential corrosion protection for metal piping and system components.
- Automotive Manufacturing** — Functions as a base component for specialized engine coolants and antifreeze formulations. It helps maintain thermal stability across a wide range of operating temperatures.
- Chemical Processing** — Acts as a solvent or chemical intermediate in the synthesis of various industrial compounds. Its stable properties ensure predictable reaction outcomes in batch processing.
- Industrial Maintenance** — Utilized in hydraulic systems and closed-loop heating units to provide lubrication and freeze protection. It effectively extends the service life of internal system components.
- Laboratory Research** — Serves as a consistent reagent or carrier fluid for analytical chemistry applications. The inhibited grade minimizes reactive interference during experimental procedures.

STORAGE & HANDLING

Propylene Glycol should be stored in a cool, dry, and well-ventilated area away from direct sunlight and incompatible oxidizing agents. Maintaining these conditions prevents contamination and ensures the integrity of the chemical inhibitors, which are vital for long-term system protection.

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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