

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 clear, colorless, and slightly viscous liquid designed for reliable heat transfer and industrial fluid applications. This inhibited grade ensures enhanced stability and performance in closed-loop systems, providing a consistent 60% concentration for professional use.

Grade Significance: The Inhibited grade means this product is pre-formulated with additives that prevent corrosion, protecting your metal piping and equipment from degradation over time.

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	~107 °C	Melting / Freezing Point	-51 °C (freeze / crystallization onset)
Flash Point	Not flammable (aqueous solution)	Specific Gravity	1.051
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 closed-loop systems to prevent freezing and overheating while protecting against internal corrosion.
- Industrial Manufacturing** — Functions as a reliable coolant for machinery and processing equipment, ensuring optimal operating temperatures during heavy-duty cycles.
- Laboratory Research** — Serves as a stable solvent and reagent in various experimental setups requiring a non-flammable, inhibited aqueous solution.
- Automotive Maintenance** — Utilized in specialized fluid formulations for cooling systems where corrosion inhibition is critical to extending component lifespan.
- Chemical Processing** — Acts as an effective heat exchange medium in complex chemical reactors that require precise temperature control without the risk of system degradation.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the integrity of the corrosion inhibitors within the solution. While the product is not classified as flammable, keeping containers tightly sealed prevents contamination and ensures the chemical remains stable for long-term 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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

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