

PRODUCT IDENTIFICATION



Product Name: Propylene Glycol 20% Inhibited

CAS Number: 57-55-6

Molecular Formula: C₃H₈O₂

Molecular Weight: 76.09 g/mol

Grade: Technical

Purity / Concentration: 20%

Synonyms: Not Available

PRODUCT OVERVIEW

Propylene Glycol 20% Inhibited is a technical-grade, aqueous solution designed for reliable performance in industrial heat transfer and cooling systems. This clear, colorless liquid provides consistent inhibition properties to protect equipment from corrosion while maintaining thermal stability.

Grade Significance: Technical grade indicates the product is formulated for industrial and mechanical utility rather than human consumption or pharmaceutical use, providing a cost-effective solution for non-critical applications.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid	Form	Liquid
Boiling Point	188°C (370°F)	Melting / Freezing Point	-59°C (-74°F)
Flash Point	104°C (pure)	Specific Gravity	1.012
Solubility	Fully miscible with water	Molecular Formula	C ₃ H ₈ O 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 inhibit corrosion within piping and heat exchangers.
- Manufacturing** — Functions as a reliable coolant in industrial machinery, ensuring optimal operating temperatures and extending the lifespan of internal components.
- Laboratory Research** — Utilized as a stable, non-hazardous solvent or carrier fluid in various industrial testing and analytical laboratory processes.
- Automotive** — Serves as a base for specialized cooling applications where moderate freeze protection and corrosion resistance are required.

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. Although not classified as hazardous, keeping containers tightly sealed prevents moisture absorption and ensures the solution remains effective for its intended industrial application.

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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