

PRODUCT IDENTIFICATION

**Product Name:** Propylene Glycol 20% Inhibited**CAS Number:** 57-55-6**Molecular Formula:** $C_3H_8O_2$ **Molecular Weight:** 76.09 g/mol**Grade:** Inhibited**Purity / Concentration:** 20%**Synonyms:** Not Available

PRODUCT OVERVIEW

Propylene Glycol 20% Inhibited is a high-quality aqueous solution designed for reliable thermal transfer and industrial applications. This inhibited grade offers superior stability and protection for systems requiring a consistent, non-flammable heat transfer medium.

Grade Significance: The inhibited grade indicates that the solution includes additives designed to prevent corrosion and oxidation within your equipment, significantly extending the lifespan of your system components.

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	~101 °C	Melting / Freezing Point	-7 °C (freeze / crystallization onset)
Flash Point	Not flammable (aqueous solution)	Specific Gravity	1.021
Solubility	Fully miscible with water	Molecular Formula	$C_3H_8O_2$
Molecular Weight	76.09 g/mol		

APPLICATIONS

- HVAC and Refrigeration** — Utilized as a secondary coolant in closed-loop systems to prevent freezing and ensure efficient thermal regulation.
- Automotive Manufacturing** — Functions as a reliable base for engine cooling systems, providing freeze protection while maintaining internal system integrity.
- Industrial Processing** — Acts as an effective heat transfer fluid in industrial machinery to maintain optimal operating temperatures during heavy-duty cycles.
- Laboratory Research** — Used as a stable solvent or cooling agent in various laboratory experiments requiring consistent chemical properties.
- Renewable Energy** — Applied in solar thermal systems to facilitate heat collection and transfer while protecting components from corrosion.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the integrity of the chemical inhibitors. Avoiding extreme temperatures prevents degradation and ensures the solution remains effective for its intended industrial purpose.

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

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.