

PRODUCT IDENTIFICATION

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

PRODUCT OVERVIEW

Propylene Glycol 20% Technical Grade is a clear, colorless liquid solution formulated for consistent performance in general industrial and laboratory environments. With a specific gravity of 1.012, this aqueous mixture provides a reliable, ready-to-use concentration for diverse technical processes.

Grade Significance: Technical Grade indicates that this product is intended for industrial and laboratory applications where high purity is not required, offering a cost-effective solution for non-food or non-pharmaceutical processes.

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	$C_3H_8O_2$
Molecular Weight	76.09 g/mol		

APPLICATIONS

- Industrial Manufacturing** — Utilized as a heat transfer fluid in closed-loop systems to maintain stable operating temperatures during production cycles.
- Laboratory Research** — Serves as a reliable solvent and stabilizer for various bench-top chemical experiments and analytical procedures.
- Automotive Maintenance** — Applied as a base component in specialized cooling and de-icing formulations where a diluted concentration is required.
- Chemical Processing** — Acts as an effective humectant or intermediate in the synthesis of industrial chemical products.

STORAGE & HANDLING

Proper storage is essential to maintain the integrity of the solution and prevent contamination from environmental moisture or impurities. While the product is not classified as hazardous, keeping the container tightly sealed in a cool, dry area ensures the concentration remains stable for long-term 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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