

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 formulated for versatile industrial and laboratory applications. This solution provides a reliable concentration for processes requiring a consistent chemical base with a specific gravity of 1.012.

Grade Significance: Technical Grade indicates that this product is manufactured for general industrial use rather than for food, pharmaceutical, or cosmetic applications where higher purity standards are required.

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

- Manufacturing** — Used as a stable solvent or carrier in various industrial formulations where a lower concentration of propylene glycol is required.
- Laboratory Research** — Serves as a reagent or chemical intermediate for experimental procedures and general bench-top testing.
- Automotive** — Utilized in specialized fluid blends where controlled glycol concentrations are necessary for heat transfer or cooling applications.
- HVAC** — Acts as a base component for industrial fluid systems that require consistent chemical properties for system maintenance.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the integrity of the solution and prevent environmental contamination. While not classified as hazardous, keeping containers tightly sealed prevents evaporation and ensures the concentration remains at the specified 20% level.

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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