

PRODUCT IDENTIFICATION



Product Name: Propylene Glycol 20% USP GRADE

CAS Number: 57-55-6

Molecular Formula: $C_3H_8O_2$

Molecular Weight: 76.09 g/mol

Grade: USP Grade

Purity / Concentration: 20%

Synonyms: Not Available

PRODUCT OVERVIEW

Propylene Glycol 20% USP Grade is a high-quality, clear, and colorless liquid formulated for versatile industrial and laboratory applications. This aqueous solution provides consistent concentration and purity levels to ensure reliable performance in your specific processes.

Grade Significance: USP Grade signifies that the product meets the stringent standards set by the United States Pharmacopeia, ensuring it is safe and suitable for sensitive 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	$C_3H_8O_2$
Molecular Weight	76.09 g/mol		

APPLICATIONS

- Pharmaceutical Manufacturing** — Utilized as a solvent or carrier for active ingredients where high-purity, standardized ingredients are required.
- Food and Beverage** — Serves as a food-grade humectant or solvent for additives, ensuring compliance with safety and quality standards.
- Cosmetics and Personal Care** — Acts as a moisturizing agent and viscosity-decreasing agent in lotions, creams, and various skin care formulations.
- Laboratory Research** — Used as a stable reagent or solvent in analytical testing environments requiring precise chemical concentrations.
- HVAC and Refrigeration** — Functions as a heat transfer fluid in closed-loop systems, providing freeze protection and thermal stability.

STORAGE & HANDLING

Proper storage is essential to prevent contamination and maintain the integrity of the solution's concentration. While not classified as a hazardous substance, it should be kept in a cool, dry, and well-ventilated area to prevent degradation and ensure long-term stability.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Not Classified

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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