

### PRODUCT IDENTIFICATION



**Product Name:** Propylene Glycol 20% USP GRADE

**CAS Number:** 57-55-6

**Molecular Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>

**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

<b>Appearance</b>	Clear, colorless liquid	<b>Form</b>	Liquid
<b>Boiling Point</b>	188°C (370°F)	<b>Melting / Freezing Point</b>	-59°C (-74°F)
<b>Flash Point</b>	104°C (pure)	<b>Specific Gravity</b>	1.012
<b>Solubility</b>	Fully miscible with water	<b>Molecular Formula</b>	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight</b>	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: **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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