

PRODUCT IDENTIFICATION



Product Name: Glycerin 75% Food Grade

CAS Number: 56-81-5

Molecular Formula: $C_3H_8O_3$

Molecular Weight: 92.09 g/mol

Grade: Food Grade

Purity / Concentration: 75%

Synonyms: Not Available

PRODUCT OVERVIEW

Glycerin 75% Food Grade is a high-quality, clear, and viscous liquid suitable for a wide range of industrial and laboratory applications. With a specific gravity of 1.195 and a boiling point of 290°C, this versatile humectant and solvent provides consistent performance for your processing needs.

Grade Significance: Food Grade certification ensures that the product meets stringent purity and safety standards, making it suitable for human consumption or use in products that come into contact with the body.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless, viscous liquid	Form	Liquid
Boiling Point	290°C (554°F)	Melting / Freezing Point	18°C (64°F)
Flash Point	177°C (351°F)	Specific Gravity	1.195
Solubility	Fully miscible with water	Molecular Formula	$C_3H_8O_3$
Molecular Weight	92.09 g/mol		

APPLICATIONS

- Food and Beverage** — Used as a humectant to retain moisture in food products and as a solvent for food coloring or flavoring agents.
- Personal Care** — Functions as a key ingredient in skincare formulations to improve hydration and texture in lotions, soaps, and creams.
- Pharmaceuticals** — Utilized as a base or excipient in liquid medications and topical preparations due to its non-toxic, food-grade profile.
- Industrial Manufacturing** — Applied as a lubricant or plasticizer in various manufacturing processes to enhance flexibility and prevent drying.
- Laboratory Research** — Serves as a reliable reagent in laboratory settings for chemical synthesis and stabilizing sensitive compounds.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the purity and viscosity of Glycerin 75%. While not classified as hazardous, keeping containers tightly sealed prevents the absorption of atmospheric moisture, which can alter its concentration and efficacy over time.

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 5522 of 5617 companies (only 1.7% 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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