

PRODUCT IDENTIFICATION



Product Name: Glycerin 25% Food Grade

CAS Number: 56-81-5

Molecular Formula: $C_3H_8O_3$

Molecular Weight: 92.09 g/mol

Grade: Food Grade

Purity / Concentration: 25%

Synonyms: Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality 25% Food Grade Glycerin, a clear and colorless liquid ideal for diverse industrial and laboratory applications. This solution provides a consistent 25% concentration, ensuring reliability and performance for your specific formulation needs.

Grade Significance: Food Grade certification ensures that the product meets stringent purity and safety standards suitable for consumption or contact with food, providing the end user with peace of mind regarding quality.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless, slightly 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	1.061
Solubility	Fully miscible with water	Molecular Formula	$C_3H_8O_3$
Molecular Weight	92.09 g/mol		

APPLICATIONS

- Food and Beverage** — Utilized as a humectant and solvent to maintain moisture levels and improve the texture of various food products.
- Pharmaceuticals** — Acts as a carrier or stabilizing agent in medicinal preparations and topical formulations.
- Personal Care** — Used in cosmetics and skincare products to provide hydrating properties and improve product consistency.
- Laboratory Research** — Serves as a reliable solvent or reagent for general laboratory experiments and chemical analysis.
- Industrial Manufacturing** — Functions as a lubricant or plasticizer in various manufacturing processes requiring a food-safe chemical component.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the purity and shelf life of this glycerin solution. While not classified as a significant hazard, keeping containers tightly sealed prevents contamination and ensures the product remains stable for its intended 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 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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