CHEM GROUP

(800) 489-2306
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Glycerin 99.5% Technical Grade

CAS No. 56-81-5

PRODUCT DESCRIPTION

Refined 99.5% technical-grade glycerin produced for industrial applications. This product is supplied as a technical/industrial grade material and is not represented as USP grade.

APPLICATIONS

Suitable for evaluation in industrial formulations and processes where a high-purity technical-grade glycerin is appropriate. Customers should determine suitability for their specific application and regulatory requirements.

QUALITY DOCUMENTATION

A Certificate of Analysis (COA) can be provided for each shipment. Product samples and additional technical information are available for customer qualification upon request.

TYPICAL PROPERTIES

Appearance	Clear, colorless viscous liquid
Molecular Formula	$C_3H_8O_3$ · 92.09 g/mol
pH	4.0 – 7.0
Boiling Point	290°C (554°F)
Freezing Point	18°C (64°F)
Flash Point	>199°C (>390°F)
Vapor Pressure @ 50°C	< 0.0025 mmHg
Water Solubility	Soluble

PRODUCT SPECIFICATIONS

PROPERTY	SPECIFICATION
Glycerin, %	99.5 min
Color, APHA	20 max
Ash, %	0.01 max
Water, %	0.5 max
Specific Gravity, 25°C	1.26

AVAILABILITY

55	275	Bulk
GALLON DRUMS	GALLON TOTES	DELIVERIES

Samples available on request. Contact us for current lead times and volume pricing.

HANDLING & STORAGE

Keep containers tightly closed in a cool, dry, well-ventilated place. Glycerin is hygroscopic, so sealed storage protects assay. Note the 18°C (64°F) freezing point — product may solidify in cold storage and should be warmed and homogenized before use.

Not hazardous under OSHA 29 CFR 1910.1200 (2024). Not regulated as dangerous goods by DOT, IATA, or IMDG. Incompatible with strong oxidizers and strong bases.

Consult the current SDS before use.

The information contained herein is offered in good faith and is believed to be accurate. No warranty, express or implied, is made regarding results to be obtained from its use. The user is responsible for determining suitability for their application and for compliance with all applicable regulations.

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