



VVF Illinois Services, LLC

Industrial Chemicals Product Data Sheet

Glycerin, USP, 99.50 %

Generic Name: Glycerin, Glycerol

CAS No. 56-81-5

Chemical Name: 1,2,3-Propanetriol

Formula: $C_3H_5(OH)_3$

Molecular Wt.: 92.09

Description: A clear, virtually water white, viscous hygroscopic liquid, concentrated and purified from crude glycerin recovered from natural fats and oils splitting processing. Meets or exceeds the stringent quality standards established in the USP (United States Pharmacopeia - USP 32, 2009) monograph, Glycerin.

Product Specifications:

Property

Specification

Identification A: Infrared Absorption	To Match Standard
Identification B: Gas Chromatography	To Match Standard
Identification C: Retention Times	To Match Standard
Specific Gravity (SG) @ 25°/25°C	1.26073 Min.
Glycerin, %	99.50 Min.
Color, APHA (Spectrocolorimeter)	20 Max.
Residue on Ignition, %	0.01 Max.
Chloride, %	0.001 Max.
Sulfate, %	0.002 Max.
Heavy Metals, ppm	5.0 Max.
Chlorinated Compounds, %	0.003 Max.
Related Compounds	Meet U.S.P.
Fatty Acids and Esters (FA&E)	1.0 ml 0.5N NaOH/50 gms Max.
Water, % (Karl Fischer)	1.50 Max.

Note: Results on individual shipments will vary within the specifications. Specifications are subject to change. Please contact us to confirm current information.

Glycerin, USP, 99.50 %

Product Properties: Glycerin, USP, 99.50 %:

- * is a very stable liquid providing a unique blend of physical and chemical properties that make it an exceptionally versatile raw material.
- * is compatible (non-antagonistic) with a wide range of other materials commonly used in foods, personal care and medicinal products.
- * is hygroscopic and has low vapor pressure, a combination that produces outstanding humectancy and plasticity.
- * possesses a combination of other physical properties permitting it to function as a solvent, viscosity builder or bodying agent, emollient, lubricant, anti freeze, etc.

Product Applications: Glycerin, USP, 99.50 %:

- * is a key ingredient in many cosmetic and personal care products including skin creams and lotions, bar soaps, toothpaste, shaving preparations, deodorants, etc.
- * is a component of several types of beverages and human and pet food products.
- * is one of the most widely used ingredients in all types of drug and pharmaceutical products including ointments, syrups, capsules, suppositories, etc.

Handling Precautions: It is recommended that glycerin be handled in accordance with responsible industrial, maintenance and safety practices. Glycerin has an excellent safety record, is essentially nontoxic by ingestion and non-irritating to the skin and sensitive membranes. While non-corrosive to the eye, eye exposure should be promptly treated by flushing with large amounts of water.

Please consult Material Safety Data Sheet (MSDS) for more detailed information on properties, potential hazards, safe handling and First Aid treatment for this product.

Shipping Classification: Glycerin, Non-hazardous product.

Regulatory Status: This material is listed on the U.S. TSCA Inventory and the Canadian Domestic Substance List.

Production Location: Montgomery, IL

<u>IDH</u>	<u>Container</u>	<u>Quantity</u>
724313	Tank Car	150,000 lbs. Min.
724314	Tank Wagon	45,000 lbs. Min.

For order assistance please call our Customer Service Department at (800) 323-5385

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