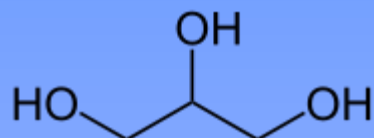


# Product Literature



## FutureSol® Refined Glycerin

### Product Description:

FutureSol® Refined Glycerin is a high purity, water white, viscous liquid prepared from renewable resources.

### Applications:

- Polyurethane foam manufacturing
- Humectant
- DfE approved solvent
- Lubricant/Plasticizer

### Availability:

- Rail Cars
- Bulk Trucks
- Totes
- Drums

### For More Information:

FutureFuel Chemical Company  
Attention: Customer Service  
P.O. Box 2357  
2800 Gap Road  
Batesville, Arkansas 72503  
Telephone (870) 698-3000  
Fax (870) 698-3095  
<http://www.futurefuelcorporation.com>

### Physical Properties

Property, Unit	Value
Formula	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight, g/mol	92.09
CAS Number	[56-81-5]
Appearance	Water white, viscous liquid
Density, g/mL at 25°C	1.2568
Boiling Point, °C (760 mm)	290
Flash Point — Closed Cup, °C	>195°C
Surface Tension, Dynes/cm 20°C	63
Vapor Pressure, mm Hg at 50°C and 100°C	0.0025 and 0.195
Viscosity, cP 20°C	1215
Refractive Index, 20°C	1.473

### Typical Characteristics

*(Data is representative of average lots; data taken from specific lots may vary.)*

Glycerin, assay %	≥99.5
Water, weight %	≤ 0.5
Chloride, ppm	≤10
Sulfate, ppm	≤20
Residue on Ignition, ppm (Ash)	<100
APHA Color	<20
Specific gravity, 25°C	≥1.26

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