

## Typical Product Specifications & Properties

# RSPO Certified Glycerin 99.5% Eur. Ph

CAS Number: : 56-81-5

Specifications	Limits
Boiling Point	290 &deg; C
log P (octanol-water)	-1.76E+00
Water solubility	1.00E+06 mg/L
Atmospheric OH Rate Constant	1.87E-11 cm <sup>3</sup> /molecule-sec
Melting Point	18.2 &deg; C
Vapor Pressure	1.68E-04 mm Hg
Henry's Law Constant	1.73E-08 atm-m <sup>3</sup> /mole
pKa Dissociation Constant	14.4
Boiling Point	290 &deg;C
Vapor Pressure	<1 mm Hg ( 20 &deg;C)
Merck	14,4484
FEMA	2525

Specifications	Limits
Vapor Density	3.1
BRN Number	635685
Density	1.25 g/mL
Sensitive	Hygroscopic
Storage Temperature	2-8&deg;C
Melting Point	20 &deg;C
Refractive Index	1.474
Water solubility	>500 g/L (20 °C)
Solubility	H2O: 5 M at 20 &deg;C, clear, colorless
Stability	Stable. Incompatible with perchloric acid, lead oxide, acetic anhydride, nitrobenzene, chlorine, peroxides, strong acids, strong bases. Combustible.
Flash Point	320 &deg;F
Form	Viscous Liquid

Specifications	Limits
FEMA	2525   GLYCEROL
Color	APHA: =10
Color	APHA: =10
Color	APHA: =10
Color	APHA: =10
Specifications	Limits
Color	APHA: =10
Color	APHA: =10
Color	APHA: =10
Color	APHA: =10
Molecular weight	92.09
EINECS	200-289-5
SMILES	<chem>C(CO)(CO)O</chem>

Specifications	Limits
InChI	PEDCQBHIVMGVHV-UHFFFAOYSA-N
InChIKey	1S/C3H8O3/c4-1-3(6)2-5/h3-6H,1-2H2