

Mono Ethylene Glycol (M.E.G.) Industrial Grade

CAS NO. 107-21-1

Product Description	Key Features	Application
<ul style="list-style-type: none"> Ethylene glycol (EG) is an organic solvent mainly used for two purposes, as a raw material in the manufacture of polyester fibers and for antifreeze formulations. It is an odorless, colorless, sweet-tasting, viscous liquid. 	<ul style="list-style-type: none"> Good solvent Neutral Stable Low surface tension Low freezing point Readily biodegradable Low flash point Low evaporation rate 	<ul style="list-style-type: none"> Antifreeze Coolant Reactant in polyester production Solvent for cellulose ester and ether especially in cellophane Emulsion paints Polyester fibers Paint and print ink Leather glue Engine oil industry

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	10 Max	ppm wt	ASTM D1613
Assay	99.9 Min	wt %	By Difference
Autoignition Temperature	410	°C	-
Boiling Point	198	°C	-
Color Pt-Co			
Before Heating	5 Max	-	ASTM D5386
After Heating 4 hrs.	10 Max	-	DC-406
After Heating with NaOH	10 Max	-	EO-548
After Heating with HCl	10 Max	-	DC-407
Empirical Formula	C ₂ H ₆ O ₂	-	-
Expansive Limits in Air			
Lower	1.8	vol%	-
Upper	12.8	vol%	-
Flash Point			
Closed Cup	111	°C	-
Freezing Point	-12	°C	-
Melting Point	-12	°C	-
Molecular Weight	62.07	g/mol	Calculated
Partition coefficient: n-octanol/water	-1.36	-	-
pH	5 - 8	-	-
Relative Density @ 20°C	1.1154	-	Calculated
Density	1115.4	kg/m ³	-
Solubility in water	Soluble	-	ASTM D 1722
Vapor Density (air = 1)	2.14	-	-
Vapor Pressure	0.01(0.08)	kPa(mmHg)	-

Notes

Typical properties: these are not to be construed as specifications.

¹Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance please contact our sales representative

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