

Monoethylene Glycol (MEG)



Monoethylene glycol is the simplest divalent alcohol. It is also called ethylene glycol or just glycol.

For industrial use, it is produced from ethylene oxide. It is a clear and sweet viscous liquid and has a hygroscopic nature. It easily melts in water and alcohol and is difficult to melt in ether. MEG is the one of the main materials of polyethylene terephthalate, alkyd resin and synthetic fiber.

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TYPICAL SPECIFICATIONS

Test	Specifications
Appearance	Colorless, transparent
Purity	99.8 % wt. min.
Color [Pt-co]	5 max.
DEG	0.08 % wt. max.
Water	0.08 % wt. max.
Specific gravity (20/20 °C)	1.1151-1.1156
Boiling range at 0.1013 MPA	
5% Vol.	Min 196 °C
95% Vol.	Max 199 °C
Aldehydes [as formaldehyde]	8 mg /kg max.
Acidity [as acetic acid]	10 mg/kg max.
Iron [as Fe]	0.1 mg/kg max.
Inorganic chloride [as Cl]	0.05 mg/kg max.
Ash	50 mg/kg max.

Container Shipment:

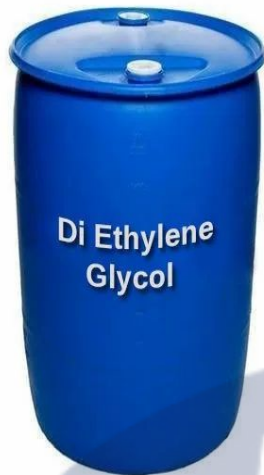
Minimum Order:- **5 CNTRs**

Bulk Shipment:

Minimum Order:- **3 KT**

Maximum Order:- **35 KT**

Diethylene Glycol (DEG)



DEG is a type of glycol and is a compound that consists of two methyl glycol molecules and one H₂O molecule removed from the two methyl glycol molecules.

It is a reacting by-product of ethylene glycol and a raw material for synthetic resin.

DEG is also used in antifreeze, brake fluid, lubricating oils, cork plasticizers, packing materials and paint.

It is also not flammable, does not emit toxic vapor or cause skin uptake so it is usually used for solvents.



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TYPICAL SPECIFICATIONS

Test	Test Method	Standard
Appearance	Visual	Clear Liquid
Specific gravity @20°C	ASTM D891	1.1175-1.1195
Color {Pt-co}	ASTM D1209	Max. 15
Acidity as acetic acid(ppm)	ASTM D1613	Max. 50
Assay (wt.%)	ASTM E202	Min 99.5
MEG (wt.%)	ASTM E202	Max 0.2
TEG (wt.%)	ASTM E202	Max. 0.5
Ash (wt.%)	ASTM E347	Max. 0.0045
Distillation range (°C)	ASTM D1078	242-247
Water (wt.%)	ASTM E203	Max. 0.2

Container Shipment:

Minimum Order:- **5 CNTRs**

Bulk Shipment:

Minimum Order:- **3 KT**

Maximum Order:- **35 KT**

Triethylene Glycol (TEG)



TEG is a type of glycol. It is compound that contains three molecules and is a raw material for synthetic resins.

It is flammable, does not emit toxic vapor or cause skin uptake so it is usually used for solvents.

Diethylene glycol and triethylene glycol have a higher boiling points and are stickier than monoethylene glycol.



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TYPICAL SPECIFICATIONS

Test	Result	Unit	Ref.
Appearance	Clear Liquid	-	Visual
Specific gravity @20°C	1.125	-	ATSM D4052
Color	23	Pt-Co	ATSM D1209
Purity	99.4	%wt	ATSM E202
DEG	0.3	%wt	ATSM E202
Other	0.1	%wt	ATSM E202
Distillation	280-290	°C	ATSM D1078
Water	0.05	%wt	ATSM E203

Container Shipment:

Minimum Order:- **5 CNTRs**

Bulk Shipment:

Minimum Order:- **3 KT**

Maximum Order:- **35 KT**