SABIC® MONOETHYLENE GLYCOL - NON-BULK

FOR TRANSPORTATION IN DRUMS/TRUCKS/ISO TANKS/FLEXI BAGS
REGION MEA

DESCRIPTION

Monoethylene glycol (Ethylene glycol) is a colorless, virtually odorless and slightly viscous liquid. It is miscible with water, alcohols, aldehydes and many organic compounds. MEG will not dissolve rubber, cellulose acetate or heavy vegetable and petroleum oils. MEG has a low volatility and it is 50% more hygroscopic than glycerol at room temperature.

TYPICAL PROPERTY VALUES

Revision 20230925

SPECIFICATIONS	TYPICAL VALUES	UNITS	TEST METHODS
SPECIFICATIONS			
Purity			
-	≥99.9	Wt. %	ASTM E2409
Appearance			
-	Clear	Visual	ASTM E2680
Specific Gravity			
@ 20°C/20°C	1.1151 – 1.1156	-	ASTM D4052
Water			
-	<0.2	Wt. %	ASTM E1064
Acidity			
(As Acetic Acid)	≤0.002	Wt. %	ASTM D1613
Color			
-	≤10	APHA	ASTM D1209
Iron			
(Fe)	≤0.5	ppm Wt.	ASTM E394
Chlorides			
-	≤0.5	ppm Wt.	ASTM E2469
Ash			
-	≤0.01	Wt. %	ASTM D482

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
Molecular Weight	62.08	g/mol	
Boiling Point			
-	197	°C	-
Melting / Freezing Point			
-	-13	°C	-
Specific heat			
@ 0°C	0.543	cal/gm/°C	-
Viscosity			
@ 20 °C	20	cP	-

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APPLICATIONS

MEG is mainly used in the production of polyester, commonly known as “PET” polyethylene terephthalate (fiber and packaging grade) and antifreeze solution.

It is an important dehydrating agent, good humectant and an industrial solvent.

TOXICITY AND SAFETY

Refer to SDS

STORAGE AND HANDLING

Refer to SDS

SHELF LIFE

SABIC MEG can be stored up to 24 months from the date of manufacture in original, unopened drums subject to appropriate storing conditions. Beyond 24 months, SABIC recommends the quality of material to be confirmed prior to use, by retesting the Certificate of Analysis Parameters.

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