

Product Information

Ethylene Glycol (MEG)

Product Description:

Ethylene Glycol (MEG) is a clear, colorless and odorless liquid with a moderate viscosity. It is hygroscopic, miscible in water and many other organic solvents. MEG is versatile since its hydroxyl groups can undergo a wide variety of reactions, providing the opportunity for a wide variety of derivatives. Thus, its use in a variety of applications.

Applications:

MEG is used as a cement grinding aid that can also increase the specific surface area and compressive strength of the cement. It is used in the manufacture of polyester fibres, antifreeze, coolants and heat transfer fluids. It is used as a chemical intermediate in a variety of industrial processes.

Chemical Formula:

$C_2H_6O_2$

CAS No. :

107-21-1

Specifications:

Parameters (units)	Specifications
Appearance	Clear and colorless liquid, free of suspended matter
Specific gravity, at 20 °C	1.1151 - 1.1156
Viscosity, at 40 °C (cSt)	Approx. 8.7
MEG content (wt %)	≥ 99.9
DEG content (wt %)	≤ 0.02
Water content (wt %)	≤ 0.02
Distillation range, IBP to DP at 760 mm Hg (°C)	196 - 199
Flash point, PMCC (°C)	Approx. 111
Freezing point (°C)	Approx. - 12
Color, before heating (mg Pt/L)	≤ 5
Color, after heating for 4 hrs (mg Pt/L)	≤ 10
Acidity, as acetic acid (ppm)	≤ 10
Chlorides (ppm)	≤ 0.1
Iron content (ppm)	≤ 0.05
Ash content (ppm)	≤ 10
Aldehydes, as formaldehyde (ppm)	≤ 8

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Packaging:

Material is available in 225 kg drums, flexibags and 1.1 MT IBCs. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging. This product has a shelf-life of 24 months from manufacture date if original drum is unopened. Bulk containers have a shelf-life of 6 months from manufacture date.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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