

Product Information

Diethylene Glycol (DEG)

Product Description:

Diethylene Glycol (DEG) is a clear, colorless and odorless liquid with a moderate viscosity. It is hygroscopic, miscible in water and many other organic solvents. DEG 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:

DEG is used as a cement grinding aid due to its excellent efficacy and economic advantage compared to other cement grinding aids. It is used as mold release agent and stabilizer in oil dispersions. It can be used as a solvent for dyes, resins and oils. It is a humectant for tobacco, ink and glue. It is also used in cosmetics, brake fluid and lubricants. It is used a chemical intermediate in the production of a variety of polymers.

Chemical Formula:

$C_4H_{10}O_3$

CAS No. :

111-46-6

Specifications:

Parameters (units)	Specifications
Appearance	Clear and colorless liquid, free of suspended matter
Specific gravity, at 20 °C	1.1175 - 1.1195
Viscosity, at 40 °C (cSt)	Approx. 13.65
Refractive index, at 20 °C	Approx. 1.4476
DEG content (wt %)	≥ 99.8
MEG content (wt %)	≤ 0.05
TEG content (wt %)	≤ 0.05
Water content (wt %)	≤ 0.1
Distillation range, IBP to DP at 760 mm Hg (°C)	242 - 250
Flash point, PMCC (°C)	143
Melting point (°C)	- 10
Color (mg Pt/L)	≤ 10
Acidity, as acetic acid (ppm)	≤ 50
Iron content (ppm)	≤ 0.1
Ash content (ppm)	≤ 50

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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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