



Technical Data Sheet

Triethylene Glycol (TEG)

Molecular formula: C₆H₁₄O₄
Cas Number : 112-27-6

Product Description:

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

Application:

TEG is used as a cement grinding aid that can also acts as a mild retarder or accelerator depending on the concentration used. It is used to strip water, carbon dioxide, hydrogen sulfide and other gases out of natural gas. It is used in the manufacture of emulsifiers, lubricants, heat-transfer fluids, textiles, vinyl and other polymers. It is used as a chemical intermediate in a variety of industrial processes.

Specifications:

Parameters (units)	Specifications
Appearance	Clear and colorless liquid, free of suspended matter
Specific gravity, at 20 °C	1.124 – 1.126
Viscosity, at 40 °C (cSt)	Approx. 17.39
Refractive index, at 20 °C	Approx. 1.4539
TEG content (wt %)	≥ 99.0
DEG content (wt %)	≤ 1.0
Tetra and Heavier EG content (wt %)	≤ 0.5
Water content (wt %)	≤ 0.05
Distillation range, 5 - 95% vol at 760 mm Hg (°C)	280 – 295
Flash point, PMCC (°C)	Approx. 166
Melting point (°C)	Approx. - 7
Color, Pt-Co (mg Pt/L)	≤ 25
Acidity, as acetic acid (ppm)	≤ 14
Ash content (ppm)	≤ 50
Aldehydes, as formaldehyde (ppm)	≤ 0.7

Customer Service:

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sales@farsagroup.az



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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.

Safety:

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

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.

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