



TECHNICAL SPECIFICATION

Diethylene Glycol

<i>Product Name</i>	DEG
<i>Application</i>	<p>DIETHYLENEGLYCOL is used as synthesizing agent for alkyd resins as well as saturated and unsaturated polyester. DIETHYLENEGLYCOL is used in the synthesis of polyurethane resins, as a coalescence agent, anti-freezing agent in polymer and/or acrylic homopolymer emulsions, chain extender and agent in the dispersion and wetting of unsaturated polyester resins. DIETHYLENEGLYCOL can be used as synthesis intermediate. DIETHYLENEGLYCOL esters are used as emulsifiers. DIETHYLENEGLYCOL esters with fatty acids (oleic, stearic, lauric, etc.) are used as emulsifiers and plasticizers of polymers. DIETHYLENEGLYCOL can be used as wetting and plasticizing agent in the production of cellophane, glues and adhesives, textiles, printing ink, leather, cosmetics, paper and pharmaceutical products. DIETHYLENEGLYCOL can be used in antifreeze formulations in proportions of up to 10% together with MONOETHYLENEGLYCOL. The various quantitative ratios between these components are suitable for specific applications in the field of industrial refrigeration.</p>

Central Office: Unit 5, No.10, Sepehr 4 Alley, Sepehr St., Marzdaran Blvd., Zhandarmeri Town, Tehran, Iran.

Telfax: +98 21 4428 4731-2

Mashhad Office: Shahed 50th, Shahed Blvd., Gharb Town, Mashhad, Iran.

Tel.: +985136202400-1

Uzbekistan Tel.: +998 97 404 0929

Website: www.petroplastjalilvand.com

E-mail: info@petroplastjalilvand.com



Diethylene Glycol (DEG)

Other Application

DIETHYLENEGLYCOL can be used as an auxiliary additive in cement milling. It can be used in extremely small proportions to produce significant results, increasing the hourly production of cement without increasing the energetic demand on the system. DIETHYLENEGLYCOL can be used as secondary solvent in brake fluid formulations. This product is also used to avoid the excessive swelling of rubber in the hydraulic system. Ethyleneglycols can also be used in the formulation of printing ink, in the treatment of gases, in the formulation of fire-resistant hydraulic fluids, in the formulation of cutting oils, in the formulation of surface polishers, in the formulations of agrochemicals, in the extraction of solvents, in the manufacture of pigmented pastes and putty for walls, and in the synthesis of explosives.

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Typical Properties	Test Method	Unit	Spec.
Purity	ASTM E202	wt%	99.8 Min
Monoethylene Glycol	ASTM E202	wt%	0.05 Max
Triethylene Glycol	ASTM E202	wt%	0.05 Max
Water Content	ASTM E203	wt%	0.05 Max
Acidity as Acetic Acid	ASTM D1613	PPM	50 Max
Ash Content	ASTM D254/A	PPM	50 Max
Sp. Gr (20/20°C)	ASTM D891	-	1.1175-1.1195
Color	ASTM D1209	Pt-Co	10 Max
Distillation at 760 mm-Hg			
IBP	ASTM D1078	°C	242 Min
DP	ASTM D1078	°C	250 Max

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