

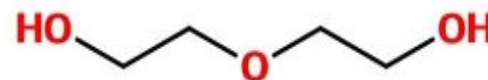
DIETHYLENE GLYCOL



2,2'-oxybis ethanol (DEG)

CAS Number: **111-46-6**

Formula: C₄H₁₀O₄



DESCRIPTION:

Diethylene glycol is a clear, colorless, low-volatility and hygroscopic liquid, with moderately viscous. It is completely miscible with water and many organic liquids.

APPLICATION:

Diethylene glycol (DEG) is most commonly used as the chemical intermediate for the production of unsaturated polyester resins, polyester polyol, Thermoplastic polyurethanes, emulsifiers and Morpholine. Moreover, DEG is used in applications which require hygroscopicity, lubricants, and low volatility such as plasticizer, solvent in printing ink, textile lubricant, humectants and dehydrating agents.

Appearance	Clear	Visual
Purity, % wt	99.96	ASTM E202
Density at 20 °C, kg/l	1.1164	ASTM D4052
Water, % wt	0.007	ASTM E202
Colour	<5	ASTM D1209
Acidity as Acetic Acid,%	0.0011	ASTM D1613
Distillation at 101.3 kPa		
Initial boiling point, °C	244.0	ASTM D 1078
Dry point, °C	249.0	ASTM D 1078
Saponification, mg KOH/g	0.031	ASTM E202
Monoethylene glycol, % wt	0.01	
Organic impurities, % wt	0.05	
pH value (1:1 distilled water)	7.3	
Iron content, ppm wt	0.040	ASTM D202

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