

PRODUCT DATA SHEET

DIETHYLENE GLYCOL (DEG) INDUSTRIAL GRADE

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Diethylene Glycol
CAS number : 111-46-6
Formula : $C_4H_{10}O_3$

Diethylene glycol is an organic compound. It is a colorless, practically odorless, poisonous, and hygroscopic liquid with a sweetish taste. It is miscible in water, alcohol, ether, acetone, and ethylene glycol. Compared to MEG, it has a higher boiling point, viscosity and specific gravity.

APPLICATIONS:

- Polyester resins, polyurethanes, plasticizers
- Antifreeze additive
- Unsaturated polyester resins
- Softening Agent
- Solvents Coupler
- Heat transfer agents or fluids
- Chemical intermediates

Physical Property*	Units	Typical Value
Molecular Weight	g/mol	106.12
Boiling Point @ 760 mm Hg	°C	245
Vapor Pressure @ 25°C	mmHg	0.006
Specific gravity @ 20/20°C	-	1.1182
Freezing Point	°C	-6.5
Dynamic Viscosity @ 20°C	cP	35.7
Surface Tension @ 25°C	dynes/cm	44.8
Refractive Index @ 20°C	nD	1.447
Evaporation Rate (Butyl Acetate=1)	-	<0.001
Electrical Conductivity @ 20°C	microm/cm	0.0042

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

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