

PRODUCT DATA SHEET

Diethylene Glycol High Purity Grade

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Diethylene Glycol
 CAS number : 111-46-6
 Formula : C₄H₁₀O₃

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
- Softening Agent
- Chemical intermediates
- Solvents Coupler
- Unsaturated polyester resins
- Heat transfer agents or fluids
- Humectants

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Molecular weight	g/mol	106.12
DEG content	wt%, min	99.0
Acidity	wt%, max	0.002
Boiling Point @ 760 mm Hg	°C	238-251
Specific Gravity @ 20/20°C	-	1.1170-1.1200
Refractive Index @ 20°C	nD	~1.44-1.45
Vapor Pressure @ 20°C	mmHg	0.06-0.08
Viscosity, dynamic @ 20°C	cP	~35-38
Surface tension @ 25°C	dynes/cm	~44-45
Solubility in Water @ 20°C	wt%	100
Electrical Conductivity @ 20°C	micromhos/cm	0.0042

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

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MS ISO 9001:2000 REG. NO. AR4.088
 (DERIVATIVES PLANT)

MS ISO 14001 CERT. NO. 00081001

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