

TECHNICAL DATA SHEET

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DIETHYLENE GLYCOL (DEG)

PRESENTATION:

Diethylene glycol (DEG) is a colorless, practically odorless and hygroscopic liquid organic compound.

It has a sweetish taste and is miscible in water, alcohol, ether, acetone, and ethylene glycol.

APPLICATIONS:

Diethylene glycol is used in the manufacture of unsaturated polyester resins, polyurethanes, plasticizers, as a building block in organic synthesis, e.g. of morpholine and 1,4-dioxane.

It is a solvent for nitrocellulose, resins, dyes, oils, other organic compounds, a humectant for tobacco, cork, printing ink, glue and in brake fluid,

TYPICAL PROPERTY

PROPERTY	UNIT	TYPICAL	TEST METHOD
Density at 20 °C	g/cm ³	1.116	ASTM D 4052*
Purity	% wt	99.6	ASTM E 2409*
Organic impurities	% wt	0.34	ASTM E 2409*
Ethylene Glycol	% wt	0.02	ASTM E 2409*
Acid (as Acetic acid)	mg/kg	10	ASTM E 2679*
Color Hazen (Pt-Co) (APHA)		10	ASTM D 1209*
Water	mg/kg	100	ASTM E 1064*
Boiling Range (at 760 mm Hg)	IBP	244.7	ASTM D 1078*
	DP	246.0	
Saponification index	mg KOH/g	0.03	ASTM D 94*

*or equivalent method

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