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DIETHYLENE GLYCOL

CAS #: 111-46-6

DESCRIPTION

Diethylene Glycol (DEG) is a clear, colorless and virtually odorless liquid which can be mixed with water at any proportion. Compared to MEG, it has a higher boiling point, viscosity and specific gravity.

DEG is characterized by great solvent power, extreme hygroscopicity and low vapor loss.

TECHNICAL SPECIFICATIONS

Characteristic	Method	Unit	Value
PURITY	ASTM E - 202	WT. %	99.8 MIN
MONOETHYLENE GLYCOL	ASTM E - 202	WT. %	0.05 MAX.
TRIETHYLENE GLYCOL	ASTM E - 202	WT. %	0.05 MAX.
WATER	ASTM E - 203	WT. %	0.05 MAX.
ACIDITY AS ACETIC ACID	ASTM D - 1613	WT. %	0.005 MAX.
ASH	ASTM D - 254/A	WT. %	0.005 MAX.
SP. GR. (20/20 °C)	ASTM D - 891	-	1.1175 -1.1195
COLOR	ASTM D - 1209	Pt - Co	10 MAX.
DISTILLATION@760MM-			
Hg IBP	ASTM D - 1078	°C	242 MIN.
DP	ASTM D - 1078	°C	250 MAX.

APPLICATIONS

As an important industrial solvent, **DEG** has wide range of applications and used in manufacture of unsaturated polyesters, plasticizers, polyethylene terephthalate (PET) plastics, coolants in automobile antifreeze, and resins.

DEG is also an effective softening agent, making glues and adhesives more flexible. It is also used for dehydration of gas streams.

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