

DOW Diethanolamine (DEA)

Technical DataSheet | Supplied by Dow

Hygroscopic, mildly alkaline amine. Acts as a catalyst. Used primarily in detergents, personal care products and textile finishing. Promotes stability during the reaction process.

Product Type	Catalysts / Accelerators / Initiators > Amines
CAS Number	111-42-2
Physical Form	Liquid
Product Status	COMMERCIAL
Bio Based	No

DOW Diethanolamine (DEA) Properties

Property	Value & Unit	Test Condition	Test Method
Molecular Weight	105.14		
Specific Gravity at 30/4°C	1.08818		
Boiling Point at 760mm Hg	268 °C		
Vapor Pressure at 20°C	0.01 mm Hg		
Freezing Point	28 °C		
Flash Point Pensky-Martens Closed Cup	191 °C		



Surface Tension at 30°C 48.5 dynes/cm

**Refractive Index at 30°C,
nD20** 1.4747

Solubility	Element	Test Condition	Test Method
Soluble in	Water		
Soluble in	acetone		
Soluble in	methanol		