



PETRONAS

PRODUCT DATA SHEET

Diethanolamine Low Freezing Grade (DEA LFG)

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Diethanolamine
CAS number : 111-42-2
Type : Alkanolamine

Ethanolamines exhibits a unique combination of amine and alcohol properties, making them desirable in various application.

APPLICATIONS:

- Homecare and I&I cleaner
- Construction
- Gas treating
- Chemical intermediate
- Textile auxiliaries
- Metal working fluid
- Polyurethane

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Diethanolamine	wt%	84.0-86.0
Water	wt%, max	14.0-16.0
Colour	PtCo, max	40
Freezing point @ 1 atm (nominal)	°C	-2
Specific Gravity @ 20°C	-	1.092-1.096
Solubility in water	%	100

*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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