



PETRONAS

# PRODUCT DATA SHEET

## Triethanolamine Low Freezing Grade (TEA LFG)

Produced using technology licensed by The Dow Chemical Company.

### CHEMICAL DESCRIPTION:

Name : Triethanolamine  
CAS number : 102-71-6  
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
Triethanolamine	wt%	84.0-86.0
Water	wt%, max	14.0-16.0
Colour	PtCo, max	40
Freezing point @ 1 atm (nominal)	°C	-5
Specific Gravity @ 20°C	-	1.120-1.125
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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