



PETRONAS

PRODUCT DATA SHEET

Monoethanolamine Iron Chloride Free (MEA ICF)

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Monoethanolamine
CAS number : 141-43-5
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
- Wood treating

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Monoethanolamine	wt%	99.5-100.0
Diethanolamine	wt%, max	0.2
Water	wt%, max	0.3
Iron	ppm, max	0.5
Chlorides	ppm, max	1
Colour	PtCo, max	15
Boiling point @ 1 atm (nominal)	°C	167-180
Freezing point @ 1 atm (nominal)	°C	10.5
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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