

- **Technical Data Sheet**

Monoethanolamine (MEA)

CAS No. 141-43-5

IUPAC name: 2-Aminoethanol

Other names: 2-Hydroxy-ethylamine, Olamine

TYPICAL PHYSICAL PROPERTIES

Parameter	Conditions	Units	Value
Molecular weight		g	61.08
Specific gravity	20°C		1.018
Boiling point	760 mmHg	°C	172
Freezing point		°C	10
Auto-ignition temperature		°C	>400
Flammable limits	Upper	% volume	17
	Lower	% volume	5.5
Viscosity	20°C	cP	24.4
Flash point	ACC	°C	93
Refractive index	n_D^{20}		1.4539
Specific heat	30°C	cal/g/°C	0.497
Solubility in water	20°C	% wt	complete
Expansion coefficient		per °C	7.78×10^{-4}
Surface tension		N/m	0.049
Vapour pressure	20°C	mbar	<1

ABBREVIATIONS

ACC Abel Closed Cup

NOTES

MEA is hygroscopic, water soluble in all proportions and miscible with numerous organic solvents.

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Further information is available from:

INEOS OXIDE
Nieuwe Weg 1
2070 ZWIJNDRECHT
BELGIUM

Telephone: +32 3 250 9111
Fax: +32 3 252 8453