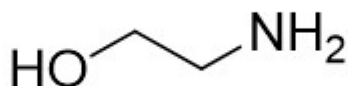


Monoethanolamine (MEA)

2-aminoethanol



Monoethanolamine (MEA) is a simple ethanolamine with one primary amine and one alcohol group. It is a colorless liquid with a mild ammonia odour. MEA is mainly used in sweetening natural gas and coal gas, and as soap or amides in heavy-duty detergents.

CAS number
141-43-5

EINECS/ELINCS No.
205-483-3

Molecular weight
61.1

Molecular formula
C₂H₇NO

Specifications

Appearance (MOA 200)	Clear liquid
Assay (MOA 564)	≥ 99.5 wt%
Diethanolamine (MOA 568)	≤ 0.20 wt%
Color (MOA 201)	≤ 15 Hazen
Water (MOA 305)	≤ 0.25 wt%

Characteristics

Form	Viscous liquid
Color	Colorless
Odor	Amine like
Flammability, liquids	Product is combustible at high temperatures
Water solubility	Completely
Solubility in other solvents	Acetone; Ethanol
pH, 20 °C	12.1
Melting point/freezing point, 1013 hPa	4 °C
Boiling point/boiling range, 1013 hPa	167 °C
Flash point, 1013 hPa, ISO 2719	92.5 °C
Vapor pressure, 20°C	0.5 hPa
Relative vapor density, air = 1.0	2.1
Density, 20°C	1016 kg/m ³
Relative density, 20°C	1.016
Partition coefficient, N-octanol/water, 25°C, log Pow	-2.3
Dynamic viscosity, 20°C	23.18 mPa.s

Notes:

Methods of Analysis (MOA) are available upon request. In case of dispute, the listed Method of Analysis will be used as reference methods.

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The Nouryon logo features a stylized orange 'N' followed by the word 'ouryon' in a lowercase, orange, sans-serif font.