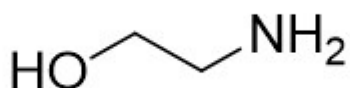


Monoethanolamine (MEA)

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. Monoethanolamine is also used in the production of ethylene amines.

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 548)	≥ 99.5 wt%
Diethanolamine (MOA 548)	≤ 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:

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.