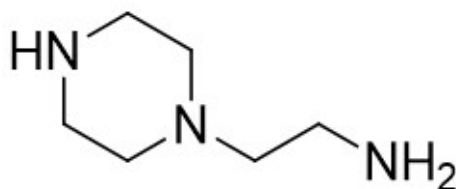


Aminoethylpiperazine (AEP)

2-piperazin-1-ylethanamine



Aminoethylpiperazine (AEP) is an ethylene amine with unique molecular structure, as it contains a primary, secondary and tertiary amine. It is colorless with a broad liquid range, making it a suitable raw material for a large variety of applications including corrosion inhibitors, urethane catalysts and epoxy hardeners.

CAS number
140-31-8

EINECS/ELINCS No.
205-411-0

Molecular weight
129.2

Molecular formula
C₆H₁₅N₃

Specifications

Appearance (MOA 200)	Clear liquid
Assay (MOA 564)	≥ 98.0 wt%
Color (MOA 201)	≤ 50 Hazen
Water (MOA 305)	≤ 0.5 wt%

Characteristics

Form	Viscous liquid
Color	Colorless
Odor	Ammonical
Water solubility	Completely
Solubility in other solvents	Ethanol
pH, 1% solution	12
Melting point/freezing point, 1013 hPa	-19 °C
Boiling point/boiling range, 1013 hPa	220.4 °C
Flash point, 1013 hPa, ASTM D 93	99 °C
Ignition temperature	> 300 °C
Vapor pressure, 20°C	0.015 hPa
Relative vapor density, air = 1.0	4.5
Density, 20°C	984 kg/m ³
Relative density, 20°C	0.980
Partition coefficient, N-octanol/water, 20°C, log Pow	-1.48
Dynamic viscosity, 20°C	14.1 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 logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.