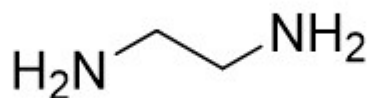


Ethylenediamine (EDA)

Ethane-1,2-diamine



Ethylenediamine (EDA) is the ethyleneamine with the lowest molecular weight. It contains two primary amine groups and is a colorless liquid. It is commonly used as an intermediate to produce detergents, chelates, textile auxiliaries, agrochemicals and polyamides.

CAS number
107-15-3

EINECS/ELINCS No.
203-468-6

Molecular weight
60.1

Molecular formula
C₂H₈N₂

Specifications

Appearance (MOA 200)	Colorless to light yellow liquid
Assay (MOA 543)	≥ 99.5 wt%
Color (MOA 201)	≤ 15 Hazen
Water (MOA 305)	≤ 0.3 wt%

Characteristics

Form	Viscous liquid
Color	Colorless
Odor	Ammonical
Flammability, liquids	Flammable liquid and vapor
Water solubility	Completely
Solubility in other solvents	Benzene;Ethanol
pH, 25% solution	12.8
Melting point/freezing point, 1013 hPa	11 °C
Boiling point/boiling range, 1013 hPa	117 °C
Flash point, 1013 hPa, closed cup	38 °C
Ignition temperature	> 300 °C
Vapor pressure, 26.6°C	17.3 °C
Relative vapor density, air = 1.0	2.1
Density, 20°C	895 kg/m ³
Relative density, 20°C	0.897
Partition coefficient, N-octanol/water, 20°C, log Pow	-1.6
Dynamic viscosity, 25°C	1.265 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 consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font, all in orange.