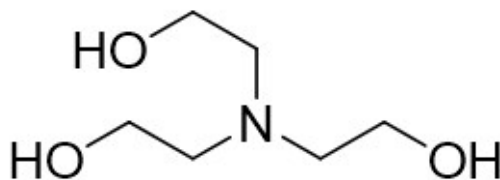


# Berolamine 10 (BA-10)

Triethanolamine



Reaction mass of triethanolamine, diethanolamine and tri-hydroxyethylethylenediamine. BA-10 contains a high level of triethanolamine and is mainly used as a grinding agent for cement to reduce energy consumption.

CAS number  
102-71-6 (TEA)

EINECS/ELINCS No.  
203-049-8

Molecular weight  
149.1 (TEA)

Molecular formula  
C<sub>6</sub>H<sub>15</sub>NO<sub>3</sub>

## Specifications

Appearance (MOA 200)	Light brown liquid
Diethanolamine (MOA 568)	≤ 30 wt%
Higher ethanolamines (MOA 568)	≤ 30 wt%
Monoethanolamine (MOA 568)	≤ 0.5 wt%
Triethanolamine (MOA 568)	≥ 50 wt%
Water (MOA 305)	≤ 0.5 wt%

## Characteristics

Form	Viscous liquid
Color	Dark
Odor	Ammonical
Water solubility	Completely
Solubility in other solvents	Ethanol
pH, 5% solution	11
Melting point/freezing point, 1013 hPa	< -23 °C
Boiling point/boiling range, 1013 hPa	~ 336 °C
Flash point, 1013 hPa	179 °C
Ignition temperature	> 170 °C
Vapor pressure, 20°C	0.00009 hPa
Relative vapor density, air = 1.0	3.5
Density, 20°C	1120 kg/m <sup>3</sup>
Relative density, 20°C	1.12
Partition coefficient, N-octanol/water, 25°C, log Pow	-1.0
Dynamic viscosity, 20°C	934 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.