

# Technical Data Sheet

## Mono-N-Butylamine

### Chemical Synonym

N-Butylamine; MNBA

### Applications

- Cement
- Fibers
- Intermediates
- Paints & coatings
- Plasticizer
- Refining
- Specialty chemicals

### Product Description

Mono-n-Butylamine (MNBA) is available as a colorless liquid. MNBA has an ammonia-like odor and is miscible with water, alcohol and ether.



### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Molecular Formula	C <sub>4</sub> H <sub>11</sub> N
Molecular Weight	73.14 g/mol
Appearance	Colorless liquid
Autoignition Temperature	320 °C
Boiling Point	77 °C
Critical Pressure	41 540 hPa
Critical Temperature	251.11 °C
Density	
@ 20°C	0.736 g/cm <sup>3</sup>
Dissociation constant, pKa	
@ 20°C	10.8
Flash Point	
Closed Cup	-7.5 °C
Freezing Point	
(1013 hPa)	-47 °C
Heat of Vaporization <sup>a</sup>	
(1013 hPa)	448.03 kJ/kg
Octanol-water partition coefficient, log Pow	0
pH	
(50% solution)	13
Surface Tension	

@ 20°C	69.5 mN/m
Vapor Density (air = 1)	2.52
Vapor Pressure	
@ 20°C	102 hPa
@ 25°C	128 hPa
@ 40°C	246.8 hPa
Viscosity	
@ 20°C	0.5066 mPa·s
Water solubility	Completely soluble

<sup>a</sup>Latent

## Packaging

- Bulk
- Steel drums (150 kg net)

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