

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
General	
Molecular Formula	C ₄ H ₁₁ 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 ³
Dissociation constant, pKa @ 20°C	10.8
Flash Point Closed Cup	-7.5 °C
Freezing Point (1013 hPa)	-47 °C
Heat of Vaporization ^a (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

^aLatent

Packaging

- Bulk
- Steel drums (150 kg net)

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