Technical Data Sheet
Di-N-Butylamine

Chemical Synonym
Dibutylamine; DNBA

Applications
- Lubricants
- Oil or gas processing
- Rubber modification

Product Description


Di-n-Butylamine (DNBA) is available as a colorless liquid with an ammonia-like odor.

Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	$C_8H_{19}N$
Molecular Weight	129.25 g/mol
Appearance	Colorless liquid
Autoignition Temperature	255 °C
Boiling Point	160 °C
Critical Pressure	25 330 hPa
Critical Temperature	322.89 °C
Density @ 22.9°C	0.7577 g/cm^3
Dissociation constant, pKa @ 20°C	11
Flash Point Closed Cup	40.5 °C
Freezing Point (1013 hPa)	-60 - -59 °C
Heat of Vaporization[a] (1013 hPa)	312.19 kJ/kg
Octanol-water partition coefficient, log Pow @ 25°C	2.06
pH	>12.5
Surface Tension @ 20°C	50.6 mN/m
Vapor Density (air = 1)	4.5
Vapor Pressure	

@ 20°C	2.2 hPa
@ 40°C	8.2 hPa
Viscosity	
@ 20°C	0.85 mPa·s
Water solubility	
@ 20°C	3.8 g/L

[a]*Latent*

Packaging

- Bulk
- Steel drums (155 kg net)

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