

# Technical Data Sheet

## Tri-N-Butylamine

### Chemical Synonym

TNBA

### Applications

- Adhesives/sealants-b&c
- Electronic chemicals
- Intermediates
- Paints & coatings
- Pharmaceutical chemicals

### Product Description

Tri-n-Butylamine (TNBA) is a clear liquid. TNBA is insoluble in water and very soluble in alcohol and ether.



### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Molecular Formula	C <sub>12</sub> H <sub>27</sub> N
Molecular Weight	185.36 g/mol
Appearance	Colorless liquid
Autoignition Temperature	210 °C
Boiling Point	208 °C
Critical Pressure	18 240 hPa
Critical Temperature	369.89 °C
Density	
@ 20°C	0.7768 g/cm <sup>3</sup>
Dissociation constant, pKa	
@ 20°C	10.95
Distillation range	196-221 °C
Flash Point	
Closed Cup	75 °C
Freezing Point	
(1013 hPa)	-90 °C
Heat of Vaporization <sup>a</sup>	
(1013 hPa)	236.97 kJ/kg
Octanol-water partition coefficient, log Pow	
@ 25°C	3.34
pH	Alkaline
Surface Tension	
@ 20°C	55 mN/m
Vapor Pressure	

@ 20°C	0.18 hPa
@ 40°C	1.1 hPa
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Water solubility	
@ 20°C	0.080 g/L
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<sup>a</sup>Latent

## Packaging

- Bulk
- Steel drums (155 kg net)
- IBC container (760 kg net)

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