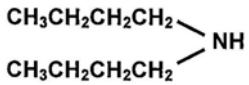
Di-n-Butylamine HP

Technical Data Sheet



Empirical Formula	$C_8H_{19}N$
Molecular Weight	129.25
CAS #	111-92-2

Chemical Synonym

DNBA HP

Physical & Chemical behaviour

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

Specifications

Specification property	Specification limits			Analytical method
	UNIT	MIN	MAX	
Di-n-butylamine	Wt %	99.5		CM-88-88
Water	Wt %		0.1	CM-91-88
Color	APHA		15	94-CM-081
Mono-n-butylamine	Wt %		0.15	CM-88-88
Tri-n-butylamine	Wt %		0.25	CM-88-88
N-Butanol	Wt%		0.05	CM-88-88
2-Ethyl hexylamine	Wt%		0.02	

Physical properties

Property	Value
Liquid Density	
lb/gal@68°F	6.34
g/ml@20°C	0.76
Freezing Point	
°F@1atm	<-58
°C@1atm	<-50
Vapor Pressure mm Hg	
@68°F	2
kPa@20°C	0.22
Vapor Pressure mm Hg	
@104°F	6
kPa@40°C	0.82
Normal Boiling Point	
°F	313.17
°C	156.21
Critical Temperature	
°F	613.20
°C	322.89
Critical Pressure	
Atm	25.00
kPa	2533
Flash Point, Closed Cup	
°F	108.5
°C	42.50
kPa	11.25
Latent Heat of Vaporization Btu/lb	
@1atm J/G	134.22
@1atm	312.19

Applications

- Rubber Accelerator
- Pesticides
- Alkylalkanolamines
- Corrosin Inhibitor Chemicals
- Catalyst for Thermoplastics
- Tetrabutyl Urea
- Lube Oil Additives

Labeling

See Material Safety Data Sheet

Transport regulations

See Material Safety Data Sheet

Toxicology / Ecotoxicology

See Material Safety Data Sheet

Characteristics

See Material Safety Data Sheet

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