



Empirical Formula $\text{C}_8\text{H}_{19}\text{N}$
Molecular Weight 129.25
CAS # 110-96-3

Chemical Synonym

DIBA

Physical & Chemical behaviour

Diisobutylamine (DIBA) is a colorless liquid with an ammonia-like odor.

Specifications

Specification property	Specification limits			Analytical method
	UNIT	MIN	MAX	
Diisobutylamine	Wt %	98.50		CM-59-88
Water	Wt %		0.20	CM-91-88
Color	APHA		15	94-CM-081
Di-n-propylamine	Wt %		0.10	CM-59-88
Ethylcyclohexyl-amine	Wt %		0.10	CM-59-88
Total Primary Amines	Wt %		0.10	CM-59-88
Total Secondary Amines	Wt %		1.0	CM-59-88
Total Tertiary Amines	Wt %		0.30	CM-59-88
Isobutyl Alcohol	Wt %		0.20	CM-59-88

Physical properties

Property	Value
Liquid Density	
lb/gal@68°F	6.18
g/ml@20°C	0.74
Freezing Point	
°F@1atm	<-58
°C@1atm	<-50
Vapor Pressure mm Hg	
@68°F	5
kPa@20°C	0.72
Vapor Pressure mm Hg	
@104°F	17
kPa@40°C	2.23
Normal Boiling Point	
°F	284.01
°C	140.00
Critical Temperature	
°F	584.50
°C	306.94
Critical Pressure	
Atm	25.37
kPa	2571
Flash Point, Closed Cup	
°F	75.6
°C	24.22
kPa	10.65
Latent Heat of Vaporization Btu/lb	
@1atm J/G	124.09
@1atm	288.64

Applications

- Pesticides
- Rubber Chemicals

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

For further questions please contact our regional sales departments

For Europe, Middle-East and Africa

Taminco N.V.

Pantserschip Str. 207
B-9000 Gent - **BELGIUM**

☎ +32(9)2541010

☎ +32(9)2541468

Taminco GmbH

Am Haupttor, Bau 8314
D-06237 Leuna - **GERMANY**

☎ +49(3461)434502

☎ +49(3461)436444

For the Americas

Life Science

Taminco, Inc.

1303 Boyd Avenue, N.W.
Atlanta, Georgia 30318 - **USA**

☎ +1-404-351 3340/3324

☎ +1-404-351 3347

Taminco Amines, Inc

Taminco Higher Amines, Inc.

Two Windsor Plaza Suite 411
7540 Windsor Dr.

Allentown, PA 18195 - **USA**

☎ +1 610 366 6730

For Brasil

**Taminco do Brasil Comércio e
Indústria de Aminas Ltda.**

Rua Nafta, 717 - Pólo Petroquímico
42810-210 -Camaçari -Bahia - **BRASIL**

☎ +55-71-3642-8340

☎ +55-71-3642-8399

For Asia-Pacific

Taminco NV Shanghai

Representative Office
B-1609, Far East International Plaza
319 Xian Xia Road;
200051, Shanghai, **China**

☎ +8621-51097998

☎ +8621-62351382

Taminco NV Malaysia Re. Office

Unit B-117, Block B, 1st Floor,
Kelana Square, No 17, Jalan SS7/26
Kelana Jaya, 47301, Petaling Jaya
Selangor 47301, **Malaysia**

☎ +603-74944 866 / 69

☎ +603-74944 859

Taminco NV (Phil)

No 69, Ormoc Street
Alabang Hills Village
Alabang, Muntinlupa City, 1771
Philippines

☎ +632-8500765, 8500494

☎ +632-8500947

Taminco NV India Liaison Office

506, Samartha Vaibhav
Off New Link Road
Oshiwara, Andheri - West,
Mumbai 400053, **India**

☎ +9122-2635 0627 / 8 (GL)

☎ +9122-2635 0629

Taminco N.V.

Japan Representative office
1-4-12-201 koraku, bunkyo-ku ,
Tokyo 112-0004, **Japan**

☎ +81-3-6902-1035

☎ +81-3-6902-1036/8

Please visit also our website: www.taminco.com

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