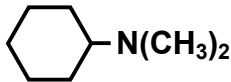


N,N-Dimethylcyclohexylamine



Empirical Formula C₈H₁₇N
Molecular Weight 127.23
CAS # 98-94-2

General Description

N,N-Dimethylcyclohexylamine (DMCHA) is a strongly basic, clear, colorless-to-straw-colored liquid amine. The material has a characteristic amine odor and tends to darken on standing. DMCHA is readily soluble in common organic solvents, but is essentially insoluble in water. An azeotrope is formed with water which boils at 95-97°C.

Applications

- Fuel Oil Additives
- Catalysts

Physical Properties

Chemical Synonym	DMCHA
Specific Gravity @39°F (4°C)	0.85
Liquid Density	
lb/gal @68°F	7.06
g/ml @20°C	0.85
Freezing Point	
°F@1atm	<-58
°C@1atm	<-50
Vapor Pressure mm Hg	
@68°F	2
kPa @20°C	0.29
Vapor Pressure mm Hg	
@104°F	7
kPa @40°C	0.97
Normal Boiling Point	
°F	319.20
°C	159.55
Critical Temperature	
°F	642.30
°C	339.06
Critical Pressure	
atm	26.76
kPa	2711
Flash Point,Closed Cup	
°F	110
°C	43.33
kPa	10.38
Latent Heat of Vaporization Btu/lb	
@ 1atm J/G	133.12
@ 1 atm	309.64

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