

Dimethylaminopropylamine



Empirical Formula C₅H₁₄N₂
Molecular Weight 102.18
CAS # 109-55-7

General Description

Dimethylaminopropylamine (DMAPA) is a moderately basic, colorless liquid. The material has a characteristic amine odor and tends to darken on standing. DMAPA is miscible with water and most common organic solvents.

Applications

- Surface-Active Agents
- Betains
- Water Treatment
- Urethane Catalyst
- Petroleum Additives

Physical Properties

Chemical Synonym	DMAPA
Specific Gravity @39°F (4°C)	0.84
Liquid Density	
lb/gal @68°F	6.87
g/ml @20°C	0.82
Freezing Point	
°F@1atm	<-58
°C@1atm	<-50
Vapor Pressure mm Hg	
@68°F	9
kPa @20°C	1.20
Vapor Pressure mm Hg	
@104°F	25
kPa @40°C	3.27
Normal Boiling Point	
°F	274.18
°C	134.55
Critical Temperature	
°F	603.40
°C	317.44
Critical Pressure	
atm	33.75
kPa	3420
Flash Point,Closed Cup	
°F	86.9
°C	30.50
kPa	10.27
Latent Heat of Vaporization Btu/lb	
@ 1atm J/G	160.75
@ 1 atm	373.91

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