

Technical Data Sheet

Monoisopropylamine

Chemical Synonym

Isopropylamine; 2-Aminopropane; MIPA

Applications

- Herbicides - intermediate for 2,4-d
- Herbicides - intermediate for atrazine
- Herbicides - intermediate for glyphosate
- Home & industrial care intermediates

Product Description

Monoisopropylamine (MIPA) is a colorless flammable liquid. MIPA has an ammonia-like odor and is miscible with water, alcohol and ether.



Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	C ₃ H ₉ N
Molecular Weight	59.11 g/mol
Appearance	Colorless liquid
Autoignition Temperature	355 °C
Boiling Point	32 °C
Critical Pressure	44 260 hPa
Critical Temperature	203.06 °C
Density	
@ 20°C	0.6871 g/cm ³
Dissociation constant, pKa	
@ 23.2°C	10.8
Flash Point	
Closed Cup	-30 °C
Freezing Point	
(1013 hPa)	-90 °C
Heat of Vaporization ^a	
(1013 hPa)	469.88 kJ/kg
Octanol-water partition coefficient, log Pow	-0.5
pH	
(50% solution)	13.1
Refractive Index	
@ 20°C	1.373-1.377
Surface Tension	
@ 20°C	68.5 mN/m

Vapor Density (air = 1)	2.03
Vapor Pressure @ 20°C	631 hPa
@ 40°C	1348.1 hPa
Viscosity @ 20°C	0.47 mm ² /s
Water solubility	Completely miscible

^aLatent

Packaging

- Bulk
- Steel drums (125 kg net)

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