

Technical Data Sheet

Methyldiisopropanolamine (MDIPA)

Chemical Synonym

MDIPA; Methyldiisopropanolamine; N-Methyldiisopropanolamine; Methyldiisopropanolamin;

Applications

- Home & industrial care intermediates
- Surfactants

Key Attributes

- Amine-like odor
- Clear liquid
- Colorless
- Corrosive

Product Description

The amino-alcohol functionality of MDEA makes it a very useful precursor for fatty ester quaternaries (also called esterquats). These compounds are commonly used as active substances in fabric softeners.

Typical Properties

Property	Typical Value, Units
General Properties	
Density @ 20°C (68°F)	0.958 g/mL
Partition coefficient @ 25°C	-0.03
Water solubility	miscible
Vapor Pressure @ 50°C	0.23 hPa
@ 20°C (68°F)	0.015 hPa
Flash Point	119 °C
Melt point	-69 °C
Boiling Point	225 °C
Autoignition Temperature	269 °C
Appearance	colorless liquid
Molecular Weight	147.22
Molecular Formula	C7H17NO2

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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