



## Monoisopropanolamine

### Composition

Monoisopropanolamine

#### Product data (specification)

Property	Value	Unit	Test method
Appearance at 20 °C	liquid, clear	-	visual
Colour number (APHA)	≤ 30	mg Pt/l	DIN EN 1557
Water	≤ 0.5	% by mass	DIN EN 13267 modif.
Monoisopropanolamine	> 99.5	% by mass	GC
Diisopropanolamine	≤ 0.5	% by mass	GC
Triisopropanolamine	≤ 0.1	% by mass	GC

#### General product description

Property	Value	Unit	Test method
Molar mass (C <sub>3</sub> H <sub>9</sub> NO)	75.11	g/mol	-
Density at 20 °C	about 0.961	g/ml	ASTM D 3505
Refractive index n <sub>20/D</sub>	about 1.448	-	ASTM D 1747
Boiling point at 1,013 hPa	about 159.2	°C	-
Setting point	1.7 (Product tends towards supercooling)	°C	DIN ISO 3841
Flash point	about 74	°C	EN 22719
Ignition temperature	about 410	°C	DIN 51794
Specific heat at 50 °C	3.05	kJ/kg K	-
Heat of vaporization (at boiling point under 1,013 hPa)	707	kJ/kg	-

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 Sitz der Gesellschaft: Hamburg Registergericht: Amtsgericht Hamburg HRB 78475



## Product Information

26.09.2019

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### Vapour pressure

°C	44.3	83.8	98.3	113.7	142.1	157.0
hPa	5	50	100	200	600	1000

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### Dampfdruck

°C	20	40	60	80	100
hPa	31.8	11.1	4.96	2.67	1.68

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### Transport and packaging

Road tankers, railway tankers

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### Storage

Stainless steel vessels (Steel No. 1.4541 or 1.4571) or iron vessels no light metals and no copper

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Data on material safety, as well as transport classes and data on toxicology, can be obtained from the material safety data sheet.

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