



Product Information

07.10.2010

Diisopropanolamine

Composition

Diisopropanolamine

Product data (specification)

Property	Value	Unit	Test method
Appearance at 20 °C	solid, crystalline	-	visual
Colour number (APHA) (in the melt)	≤ 30	mg Pt/l	DIN EN 1557
Water	≤ 0.5	% by mass	DIN EN 13267 modif.
Monoisopropanolamine	≤ 0.5	% by mass	GC
Diisopropanolamine	≥ 99.0	% by mass	GC
Triisopropanolamine	≤ 0.5	% by mass	GC

General product description

Property	Value	Unit	Test method
Molar mass (C ₆ H ₁₅ NO ₂)	133.19	g/mol	-
Density at 40 °C	about 0.994	g/ml	ASTM D 3505
Refractive index n 40/D	about 1.455	-	ASTM D 1747
Boiling point at 1,013 hPa	248.2	°C	-
Setting point	41 (Product tends towards supercooling)	°C	DIN ISO 3841
Flash point	about 123	°C	EN 22 719
Ignition temperature	about 370	°C	DIN 51794
Specific heat at 50 °C	3.03	kJ/kg K	-
Heat of vaporization (at boiling point under 1,013 hPa)	449	kJ/kg	-

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 Sitz der Gesellschaft: Hamburg Registergericht: Amtsgericht Hamburg HRB 78475



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Vapour pressure

°C	113.8	159.2	176.3	194.8	229.4	248.0
hPa	5	50	100	200	600	1,000

Viscosity (about)

°C	60	80	100
mPa s	54.1	15.7	6.29

Transport and packaging

Road tankers, railway tankers, about 200-l iron drums

Storage

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

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

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