



Triethanolamine pure

Composition

Triethanolamine

Product data (specification)

Property	Value	Unit	Test method
Appearance at 25 °C	liquid, clear	-	visual
Colour number (APHA) (in the melt)	≤ 40	mg Pt/l	DIN EN 1557
Water	≤ 0.2	% by mass	DIN EN 13267 modif.
Monoethanolamine	≤ 0.1	% by mass	GC
Diethanolamine	≤ 0.5	% by mass	GC
Triethanolamine	≥ 99.0	% by mass	GC

General product description

Property	Value	Unit	Test method
Molar mass (C ₆ H ₁₅ NO ₃)	149.19	g/mol	-
Density at 40 °C	about 1.1129	g/ml	ASTM D 3505
Refractive index n _{20/D}	about 1.484	-	ASTM D 1747
Boiling point at 1,013 hPa	336.8 (Decomposition)	°C	-
Setting point	21.6 (Product tends towards supercooling)	°C	DIN ISO 3841
Flash point	about 190	°C	EN 22719
Ignition temperature	about 330	°C	DIN 51794
Specific heat at 50 °C	2.34	kJ/kg K	-
Heat of vaporization (at boiling point under 1,013 h Pa)	524	kJ/kg	-

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 Sitz der Gesellschaft: Hamburg Registergericht: Amtsgericht Hamburg HRB 78475



Product Information

07.10.2010

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Vapour pressure

°C	183.3	237.6	257.4	278.7	316.8	336.2
hPa	5	50	100	200	600	1,000

Viscosity (about)

°C	20	40	60	80	100
mPa s	950	208	62.2	27.2	14.0

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 safety data sheet.

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