

Technical Data Sheet BEROLAMINE 200 (BA-200)

General

Diethylenetriamine CAS Reg. No. 111-40-0
Aminoethyl piperazine CAS Reg. No. 140-31-8

Berolamine-200 (BA-200; CAS 111-40-0 and 140-31-8) is an amine blend containing about 90 % DETA and 10 % AEP. BA-200 has been specifically designed as a building block for wet strength resins.

Sales Specification

Characteristic	Unit	Specification	Methods of Analysis
Appearance	-	Clear liquid	200
Diethylenetriamine	w%	87-90	571
Aminoethylpiperazine	w%	10-13	571
Water	w%	max 0.5	305
Color	Hazen	max 30	201

Methods of Analysis are available upon request.

In case of dispute, the listed Method of Analysis will be used as reference methods.

Physical and Chemical Properties

Property	Value	Property	Value
Form	viscous liquid	pH	12 - 13 at 25 % solution
Colour	Colourless, light yellow	Melting point/freezing point	< -20 °C
Odour	ammoniacal	Boiling point/boiling range	> 150 °C
Flammability (liquids)	Not classified as a flammability hazard	Flash point	104 °C Method: Pensky-Martens ISO 2719
Explosive properties	Not explosive	Ignition temperature	> 150 °C
Oxidizing properties	The substance or mixture is not classified as oxidizing	Vapour pressure	0,4 hPa at 20 °C
Water solubility	miscible	Relative vapour density	
Solubility in other solvents	Soluble in ethanol and toluene	Density	950 kg/m ³ at 20 °C
		Relative density	0,95
		Partition coefficient: n-octanol/water	log Pow: -1,3
		Viscosity, dynamic	10 mPa.s at 20 °C

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