

## Technical Data Sheet POLYAMINE B

### General

CAS No.: 68131-73-7  
EINECS No.: 268-626-9  
IUPAC name: Polyethyleneamines

Chemical Composition: A mixture of tetraethylenepentamine (TEPA), pentaethylenehexamine (PEHA), hexaethyleneheptamine (HEHA) and higher molecular weight products.

### Sales Specification

Characteristic	Unit	Specification	Methods of Analysis
Appearance	-	Clear colored liquid	200
Water	w%	max 0.5	305
Lower boiling substances than pentamines	Area%	max 1	512
TEPA	Area %	8-15	512
Higher boiling substances than pentamines	Area%	min 83	512

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	liquid	pH	11,5
Colour	amber	Melting point/freezing point	< -20 °C
Odour	ammoniacal	Boiling point/boiling range	443 °C
Flammability (liquids)	Not classified as a flammability hazard	Flash point	197 °C Method: Pensky-Martens closed cup
Explosive properties	Not explosive	Ignition temperature	370 °C
Oxidizing properties	The substance or mixture is not classified as oxidizing	Vapour pressure	< 0,00001 hPa at 20 °C
Water solubility	> 50 g/l at 20 °C	Relative vapour density	> 1 (Air = 1.0)
		Relative density	ca. 1,014 at 20 °C
		Partition coefficient: n-octanol/water	log Pow: ca. -3,67
		Viscosity, dynamic	350 mPa.s at 20 °C

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