

## Properties and Standard Specifications

### Pentaethylenehexamine

#### Physical Properties

Product Name	:	Pentaethylenehexamine	-	PEHA
Molecule formula	:	$\text{H}_2\text{N} - (\text{C}_2\text{H}_4 - \text{NH})_5 - \text{H}$		
Appearance	:	Clear solution		
Relative Density (20/20°C)	:	1.002		
Boiling Point at 101.3 kPa	[°C]	:	--	
at 1.33 kPa	[°C]	:	230	
Pour Point	[°C]	:	-26	
Vapour Pressure at 20 °C	[Pa]	:	< 1	
Total Nitrogen content	[wt. %]	:	34	
Viscosity at 20 °C	[mPa.s]	:	≈ 200	
Total Amine Value	[mgKOH/gr]	:	approx. 1220	

#### Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear, free of suspended matter			DEL 119
Colour	Gardner		< 1	8	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
PEHA fraction	area %	70			DEL 138
PEHA + higher amines	area %	85			DEL 138