

## Properties and Standard Specifications

### Higher Ethylenepolyamine S200

#### Physical Properties

Product Name	:	Higher Ethylenepolyamine S200 – HEPA S200
Molecule formula	:	$\text{H}_2\text{N} - (\text{C}_2\text{H}_4 - \text{NH})_{4-13} - \text{H}$
Appearance	:	Clear liquid
Relative Density 20/20°C	:	1.015
Boiling Point at 101.3 kPa	[°C] :	Decomposes
at 1.33 kPa	[°C] :	Not Determined
Flash Point PM	[°C] :	> 150
Vapour Pressure at 20°C	[Pa] :	< 1
Total Nitrogen content	[wt. %] :	34
Total Amine Value	[mgKOH/gr] :	approx. 1195

#### Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear, free of	suspended	matter	DEL 119
Colour	Gardner		< 10	20	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
PEHA + higher amines	area %	80	> 85		DEL 139