

## Properties and Standard Specifications

### Tetraethylenepentamine

#### Physical Properties

Product Name				: Tetraethylenepentamine - TEPA
Molecule formula				: $H_2N - (C_2H_4 - NH)_4 - H$
Appearance				: Clear solution
Relative Density (20/20°C)				: 0.994
Boiling Point at 101.3 kPa	[°C]			: 320
at 1.33 kPa	[°C]			: 195
Pour Point	[°C]			: -30
Vapour Pressure at 20 °C	[Pa]			: < 1
Total Nitrogen content	[wt. %]			: 35
Viscosity at 20 °C	[mPa.s]			: 80
Total Amine Value	[mgKOH/gr]			: approx. 1350

#### Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear , free of	suspended	matter	DEL 119
Colour	Gardner		< 1	5	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
TEPA fraction	area %	95	> 96		DEL 137