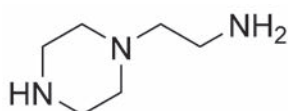


АЕР

AMINOETHYLPIPERAZINE (AEP)

General



MW: 129.2 gmol⁻¹
CAS No.: 140-31-8
EINECS No.: 205-411-0
IUPAC name: 2-piperazin-1-ylethylamine

Aminoethylpiperazine (AEP; CAS 140-31-8) is an ethylene amine with unique molecular structure, as it contains one primary, one secondary and one tertiary amine. AEP is a colorless liquid with a broad liquid range. This makes it a suitable raw material for a large variety of applications including corrosion inhibitors, urethane catalysts and epoxy hardeners.

Sales Specification

Characteristic	Unit	Specification	Methods of Analysis
Appearance	-	clear liquid	200
Assay	w%	Min 98.0	564
Water	w%	max 0.5	305
Color	Hazen	max 50	201

Methods of Analysis are available upon request.

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

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Physical and Chemical Properties

Property	Value	Property	Value
Form	viscous liquid	pH	12 at 1 % solution
Colour	colourless	Melting point/freezing point	-19 °C at 1 013 hPa
Odour	ammoniacal	Boiling point/boiling range	220,4 °C at 1 013 hPa
Flammability (liquids)	Not classified as a flammability hazard	Flash point	99 °C at 1 013 hPa Method: ASTM D 93
Explosive properties	Not explosive	Ignition temperature	> 300 °C
Oxidizing properties	The substance or mixture is not classified as oxidizing	Vapour pressure	0,015 hPa at 20 °C
Water solubility	completely miscible	Relative vapour density	4,5
Solubility in other solvents	Miscible with ethanol	Density	984 kg/m ³ at 20 °C
		Relative density	0,980 at 20 °C
		Partition coefficient: n-octanol/water	log Pow: -1,48 at 20 °C
		Viscosity, dynamic	14,1 mPa.s at 20 °C

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