



Technical Data

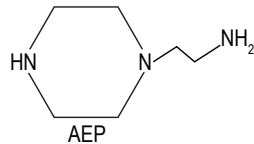
Aminoethylpiperazine (AEP)

Mineral Processing Aid

Product Description

Aminoethylpiperazine (CAS #000140-31-8, 1-piperazineethaneamine) is a single component cyclic ethyleneamine with one primary, one secondary, and one tertiary amine. It is clear and colorless and has an ammonia-like odor.

Structure



Typical Properties

Property	Typical Value
Molecular weight (Linear component)	129.21
(Typical product)	128.8
Boiling point @ 760 mm Hg, °C	221.0
Freezing point, °C	-17
Density, g/ml @ 20°C	0.983
Specific gravity 20°/20°	0.985
Viscosity, cp @ 20°C	15.4
Kinematic viscosity, cst @ 25°C	12.1
Kinematic viscosity, cst @ 40°C	6.5
Vapor pressure @20°C, mm Hg	<0.01
Specific heat, cal/g °C @ 25°C	0.52
Thermal conductivity cal/cm-sec-°C @ 20°C	0.000434
Surface tension, dynes/cm @ 20°C	44.9
Coefficient of expansion, 1/°C @ 20°C	0.000842
Refractive index @ 20°C	1.501
Dielectric constant @ 23°C and 1 kHz	7.13
Electrical conductivity, μmhos/cm @ 25°C	0.007
Heat of formation, 25°C, BTU/lb	-256
Heat of vaporization, BTU/lb, 760 mm Hg	152
Heat of combustion, 25°C, BTU/lb	-14744
pH of 1 wt% solution	11.4
Nitrogen content, wt%	32.5
Amine value, mg KOH/g	1306

These properties do not constitute specifications.

Product Stewardship

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