Product Information

AkzoNobel
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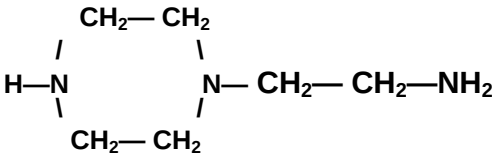
Aminoethyl Piperazine - AEP



Molecular Weight	129.2
CAS Reg. No.	140-31-8
EINECS No.	205-411-0

Synonyms

Piperazineethanamine
N-(2-Aminoethyl)-piperazine
1-(1-Piperazinyl)-2-aminoethane

Specification

Appearance	clear liquid
Assay	min. 98.0% *(GLC and KF titr.)*
Water	max. 0.3% *(KF titr.)*
Color	max. 30 Hazen *(Comparator)*

Test methods are available upon request.

Typical Properties

Melting Point	-18°C
Boiling Point	222°C
Density	990 kg/m^3 at 20°C 970 kg/m^3 at 50°C
Viscosity	15 mPa·s at 20°C 6 mPa·s at 50°C
Amine Number	1300 mg KOH/g
Flash Point	104°C *(Open Cup)*
Vapor Pressure	7 Pa at 20°C
Refract. Index, $\mathbf{n}_D^{20}$	1.500
Odor	mildly ammoniacal

Solubility

water	miscible, hygroscopic
ethanol	miscible
acetone	miscible
ether	miscible
benzene	miscible
hexane	immiscible

Corrodes copper and its alloys. Reacts violently with aldehydes, acids and chlorinated hydrocarbons. Absorbs carbon dioxide from air. May discolor in contact with air.

Applications

Intermediate in the manufacture of epoxy-curing agents, asphalt additives, corrosion inhibitors, emulsifiers, pharmaceuticals, surfactants, etc.

Packaging

Delivered in stainless steel road tankers, bulk containers or mild steel drums containing 200 kg net.

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