



Aminoethyl Ethanolamine - AEEA



Molecular Weight	104.1
CAS Reg. No.	111-41-1
EINECS No.	203-867-5

Solubility

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

Synonyms

Ethanol, 2-[(2-aminoethyl)amino]
N-(β-Hydroxyethyl)-Ethylenediamine
N-(2-Aminoethyl)-Ethanolamine

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

Specification

Appearance	clear, viscous liquid
Assay	min. 99.5% (GLC and KF titr.)
Ethylenediamine	max. 100 ppm (GLC)
Water	max. 0.2 % (KF titr.)
Color	max. 20 Hazen (Comparator)

Test methods are available upon request.

Applications

Intermediate in the manufacture of surfactants, sequestering agents, cationic textile softeners, antistatic agents, corrosion inhibitors, insecticides, etc.

Typical Properties

Melting Point	<-10°C
Boiling Point	244°C
Density	1030 kg/m ³ at 20°C 1005 kg/m ³ at 50°C
Viscosity	155 mPa·s at 20°C 28 mPa·s at 50°C
Flash Point	130°C (Open Cup)
Vapor Pressure	0.3 Pa at 20°C
Refract. Index, n_D^{20}	1.485
Chlorides	not present
Odor	mildly ammoniacal

Packaging

Delivered in stainless steel road tankers, bulk containers, or polyethylene lined drums containing 200 kg net. IBC containing 1000 kg net is also available.

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