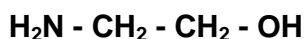




Monoethanolamine - MEA



Molecular Weight	61.1
CAS Reg. No.	141-43-5
EINECS No.	205-483-3

Synonyms

Ethanol, 2-amino-
Ethanolamine, β-Aminoethanol,
2-Hydroxyethylamine

Specification

Appearance	clear, viscous liquid
Assay	min. 99.0% (GLC and KF titr.)
Water	max. 0.5% (KF titr.)
Color	max. 15 Hazen (Comparator) (at time of filling, may discolor in contact with air)

Test methods are available upon request.

Typical Properties

Melting Point	10.5°C
Boiling Point	171°C
Density	1016 kg/m ³ at 20°C 990 kg/m ³ at 50°C
Viscosity	25 mPa·s at 20°C 7 mPa·s at 50°C
Flash Point	95°C (Open Cup)
Vapor Pressure	40 Pa at 20°C
Refract. Index, n _D ²⁰	1.454
Odor	mildly ammoniacal

Solubility

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

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

Applications

Gas "sweetening", amino resin curing, detergent neutralizing. Intermediate in the manufacture of corrosion inhibitors, cutting oils, emulsifiers, surfactants, lubricating oils, rubber chemicals, ethylene amines, and textile chemicals.

Packaging

Delivered in stainless steel road tankers, bulk containers, or in polyethylene lined steel drums containing 195 kg net.

2009-01