

# Monoethanolamine MEA

**H<sub>2</sub>N - CH<sub>2</sub> - CH<sub>2</sub> - OH**

Molecular weight 61.1

CAS Reg. No. 141 - 43 - 5

EINECS No. 20 54 833

**Synonyms** Ethanol, 2-amino-  
(CAS Name)

Ethanolamine

?-Aminoethanol

2-Hydroxyethylamine

## Specification

Appearance Clear, viscous liquid

Assay min. 99.0 % (GLC and  
KF titr.)

Water max. 0.5 % (KF titr.)

Colour max. 15 Hazen

(Comparator) (at time  
of filling, may discolour  
in contact with air)

*Test methods are available on request.*

## Typical Properties

Melting Point 10.5° C

Boiling Point 171° C

Density 1,016 kg/m<sup>3</sup> at 20° C

990 kg/m<sup>3</sup> at 50° C

Viscosity 25 mPa·s at 20° C

7 mPa·s at 50° C

Flash Point 95° C (open cup)

Vapour Pressure 40 Pa at 20° C

Refract. index n<sub>D</sub>

<sub>20</sub> 1.454

Odour Mild, ammoniacal

## Solubility in

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.

## **Packing**

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