

Berolamine - 10

BA - 10

A mixture of high-boiling ethanolamines, higher than monoethanolamine.

Average molecular weight	150
CAS Reg. Nos.	
Ethanol, 2,2',2"-nitrilotris-	102-71-6
Ethanol, 2,2'-iminobis-	111-42-2
Ethanol, 2,2' -{[2-(2-hydroxy-ethyl)amino)ethyl]-imino}bis-	60487-26-5

Solubility in

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

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

Specification

Appearance	Light brown, viscous liquid
Monoethanolamine	max. 0.5 % (GLC)
Diethanolamine	10-30 % (GLC)
Triethanolamine	min. 30 % (GLC)
Higher ethanolamines	max. 30 % (GLC)
Water	max. 0.5 % (KF titr.)
Colour	max. 15 Gardner (Comparator)

Test methods are available on request.

Typical Properties

Melting Point	below -20°C
Boiling Point	over 200°C
Density	abt. 1,120 kg/m ³ at 20°C
Viscosity	abt. 1,500 mPa·s at 20°C
Flash Point	over 170°C (open cup)
Vapour Pressure	less than 1 Pa at 20°C
Odour	Mild ammoniacal

Applications

Gas "sweetening", cement grinding.

Intermediate in the manufacture of corrosion inhibitors.

Packing

Delivered in stainless steel road tankers, bulk containers, or mild steel drums containing 220 kg net.

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