



Polyamine B

High-boiling polyethylene polyamines mixture

CAS Reg. No. 29320-38-5

Chemical Composition

Pentamines, hexamines and heptamines approx. 90%

Specification

Appearance	dark brown, viscous liquid
Water	max. 1.0% (KF titr.)
Sediment	max. 1.0% (ASTM D-1796)
Light Ends	max. 1.0%
Tetramines	max. 4.0%
Sum of pentamines, hexamines and heptamines	min. 80% (GLC)
Heavy Ends	max. 10% (GLC)

Test methods are available upon request.

Typical Properties

Flash Point	139°C
Vapor Pressure	<50 mbar at 20°C
Viscosity	approx. 350 mPa·s at 20°C
Density	approx. 1000 kg/m ³ at 20°C
Solidifying Point	approx. -30°C

Solubility

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

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

Applications

Intermediate for the synthesis of

- coolants
- lubricants and antifreezes
- auxiliaries for the metal processing industry
- auxiliaries for the recovery and processing of oil, coal and natural gas
- auxiliaries for the construction industry

Packaging

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

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