

# Berolamine 20 (BA-20)

Higher polyamine blend

Berolamine-20 (BA-20) is a blend of higher polyethylene polyamines (isomers of TETA, TEPA, PEHA, and higher) and alkanolamines (AEEA, DEA, Hydroxyethyl DETA, and higher). BA-20 is used as an intermediate in the manufacture of asphalt additives, in polyamide resins and corrosion inhibitors. It is also used as a cement grinding agent and flotation agent.

**CAS number**  
84238-53-9 and 68910-05-4

## Specifications

Appearance (MOA 200)	Dark brown liquid
Amine number (MOA 234)	≥ 1100 mg KOH/g
Viscosity, 50 °C (MOA 589)	≤ 100 mPa.s
Water (MOA 305)	≤ 1.0 wt%

## Characteristics

Form	Viscous liquid
Color	Brown
Odor	Ammonical
Water solubility	Water soluble
Solubility in other solvents	Acetone;Ethanol
pH, 25% solution	12
Melting point/freezing point, 1013 hPa	<-30 °C
Boiling point/boiling range, 1013 hPa	254 °C
Flash point, 1013 hPa, ISO 2719	176 °C
Ignition temperature	355 °C
Vapor pressure, 20°C	0.00009 hPa
Relative density, 20°C	1,024
Partition coefficient, N-octanol/water, 25°C, log Pow	-2,6
Dynamic viscosity, 50°C	40 mPa.s

### Notes:

Methods of Analysis (MOA) are available upon request. In case of dispute, the listed Method of Analysis will be used as reference methods.

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