

Berolamine 1210 (BA-1210)

Higher polyamine blend

Berolamine-1210 (BA-1210) is a blend of higher polyethylene polyamines (isomers of TETA, TEPA, PEHA, and higher) and alkanolamines (AEEA, DEA, Hydroxyethyl DETA, and higher). BA-1210 is used as an intermediate in the manufacture of asphalt additives and epoxy curing agent.

CAS number

84238-53-9 and 68910-05-4

EINECS/ELINCS No.

282-508-4 and 272-729-4

Specifications

Appearance (MOA 200)	Yellowish brown
Amine number (MOA 234)	min 1200, max 1400 mg KOH/g
AEEA (MOA 566)	report value wt%
DEA (MOA 566)	report value wt%
HE-DETA (MOA 566)	report value wt%
L-TETA (MOA 566)	report value wt%
Color (MOA 201)	max 10 Gardner
Viscosity, 50 °C (MOA 589)	max 100 mPa.s
Water (MOA 305)	max 1.0 wt%

Characteristics

Form	Viscous liquid
Color	Yellow
Odor	Ammonical
Flammability, liquids	Not classified as a flammability hazard
Water solubility	Soluble, 20°C
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
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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