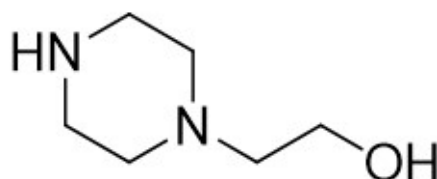


Berolamine 505 (BA-505)



Berolamine-505 (BA-505) is an amine blend containing about 60% HEP, 15% AEP and 30% AEEA. BA-505 is commonly used as an asphalt additive.

CAS number
103-76-4, 111-41 -1, 140-135
31-8

Molecular weight

Specifications

Appearance (MOA 200)	Clear liquid
Aminoethylethanolamine (MOA 565)	≤ 30 wt%
Aminoethylpiperazine (MOA 565)	≤ 15 wt%
Hydroxyethylpiperazine (MOA 565)	≥ 60 wt%
Water (MOA 305)	≤ 1.0 wt%

Characteristics

Form	Clear liquid
Color	Colorless
Odor	Ammonical
Explosive properties	No
Flammability, liquids	Not classified as a flammability hazard
Oxidizing properties	No
Solubility in other solvents	Ethanol
pH, 25% solution	11.5
Melting point/freezing point, 1013 hPa	> -20 °C
Boiling point/boiling range, 1013 hPa	> 200 °C
Flash point, 1013 hPa, ISO 2719	> 150 °C
Vapor pressure, 20°C	7 hPa
Density, 20°C	1050 kg/m ³
Relative density, 20°C	1.05
Dynamic viscosity, 50°C	70 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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