

Polyamine B

High-boiling polyethylene polyamines mixture.

Chemical Composition: A mixture of tetraethylenepentamine (TEPA), pentaethylenehexamine (PEHA), hexaethyleneheptamine (HEHA) and higher molecular weight products.

CAS number
68131-73-7

EINECS/ELINCS No.
268-626-9

Specifications

Appearance (MOA 200)	Clear amber liquid
TEPA (MOA 512)	8-15 Area%
Lower boiling substances than pentamines (MOA 512)	≤ 1 Area%
Higher boiling substances than pentamines (MOA 512)	≥ 83 Area%
Water (MOA 305)	≤ 0.5 wt%

Characteristics

Form	Liquid
Color	Amber
Odor	Ammonical
Explosive properties	No
Flammability, liquids	Not classified as a flammability hazard
Oxidizing properties	No
Water solubility	50 g/l, 20°C
pH	11.5
Melting point/freezing point, 1013 hPa	-20 °C
Boiling point/boiling range, 1013 hPa	443 °C
Flash point, 1013 hPa, closed cup	197 °C
Ignition temperature	370 °C
Vapor pressure, 20°C	0.00001 hPa
Relative vapor density, air = 1.0	> 1
Relative density, 20°C	~ 1.014
Partition coefficient, N-octanol/water, 20°C, log Pow	-3.67
Dynamic viscosity, 20°C	350 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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