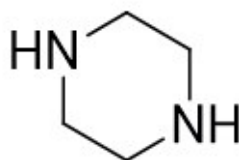


Piperazine Anhydrous (PIP-ANH)

Piperazine



Piperazine is a cyclic ethylene amine with two secondary amine groups. Piperazine is supplied as (anhydrous) Piperazine 99%. Piperazine is commonly used as a raw material for several commercially available drugs. Other application fields include polyamides, gas sweetening and as an intermediate in PU catalysts.

CAS number
110-85-0

EINECS/ELINCS No.
203-808-3

Molecular weight
86.1

Specifications

Appearance (MOA 200)	White flakes
Piperazine (MOA 555)	≥ 99.7 wt%
Color (MOA 201)	≤ 50 Hazen
Water (MOA 305)	≤ 1.0 wt%

Characteristics

Form	White flakes
Odor	Amine like
Flammability, liquids	The substance or mixture is a flammable solid with the category 1
Water solubility	150 g/l, 20°C
pH, 15% solution	12
Melting point/freezing point, 1013 hPa	106 °C
Boiling point/boiling range, 1013 hPa	147 °C
Ignition temperature	320 °C
Vapor pressure, 20°C	0.21 hPa
Relative vapor density, air = 1.0	3.0
Density, 20°C	1110 kg/m ³
Relative density, 20°C	1.1
Partition coefficient, N-octanol/water, 25°C, log Pow	-1.24
Dynamic viscosity, 110°C	0.96 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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Contact Us

GLOBAL
infoethy@nouryon.com

The Nouryon logo features a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font, all in orange.