

#### Hefei TNJ Chemical Industry Co.,Ltd.

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# **Technical Data Sheet**

**Basic information** 

Chemical name Piperazine Anhydrous Formula

Synonyms 1,4-Diazacyclohexane;1,4-Piperazine;Diet

hyleneimine;Dispermine;Eraverm

CAS.No. 110-85-0 EINECS No. 203-808-3 Molecular weight 86.14 mula C4H10N2

Chemical structure

HN NH

**Physical properties** 

Appearance White solid Melting point 109-112  $^{\circ}$ C Boiling point 146  $^{\circ}$ C

Density 1.1 g/mL at 25  $^{\circ}$ C (lit.) Vapour pressure 0.8 mm Hg ( 20 $^{\circ}$ C)

Flash point 65 ℃

**Specification** 

ItemsSpecificationAppearanceWhite flakesAssay,% $\geq$  99.7Water, % $\leq$  0.5Color (Hazen) $\leq$  30

#### **Application**

- Piperazine anhydrous are used in the manufacture of plastics, resins, pesticides, brake fluid and other industrial materials. Piperazine anhydrous, especially BZP and TFMPP were extremely common adulterants in the club and rave scene, often being passed off as MDMA, although they do not share many similarities in their effects.
- 2 Piperazines is also a fluid used for CO2 and H2S scrubbing in association with methyl diethanolamine (MDEA).
- 3 Piperazine Anhydrous is an important intermediate for medicines, pesticides and dyes.
- Mostly used as an important pharmaceutical intermediates in the production drive hatched from drug piperazine and piperazine phosphate, citrate and perphenazine, severe pain, rifampicin and equality,etc.
- 5 Used as intermediate of fungicide triforine.
- Used in the production of wetting agent, emulsifier, dispersant, surface active agent products and production of antioxidants, preservatives, and rubber additives and other plastic processing additives, etc.

## **Package**

- 50kg per carton, 9mt per 20'ft container with pallets;
- 25kg per carton, 9mt per 20'ft container with pallets;









## Safety on transportation

It belongs to Class 8 dangerous goods, always refer to MSDS.

## Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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