

Dimethylbenzylamine CAS 103-83-3 N-dimthylbenzylamine

Overview:

Name: Dimethylbenzylamine

Alias: BDMA, N-dimthylbenzylamine, dimethylbenzylamine, benzyldimethylamine, catalyst BDMA, hard foam catalyst BDMA, N-benzyldimethylamine, BDMA, CAS 103-83-3, Dabco BDMA, Jeffcat BDMA , Lupragen N103, PC CAT NP60

Molecular formula: C₉H₁₃N;

Relative molecular mass: 135.20;

CAS number: 103-83-3;

Colorless to slightly yellow transparent liquid, soluble in ethanol, soluble in hot water, slightly soluble in cold water;

Purity ≥99%;

Moisture ≤0.5%;

Viscosity (25 °C): 90mPa.s;

Density (25 °C): 0.897g/cm³;

Freezing point: -75 °C;

Boiling range: 178-184 °C;

Refractive index (25 °C): 1.5011;

Flash point (TCC): 54 °C;

Steam pressure (20 °C): 200Pa

Physical and chemical properties

Appearance: colorless to light yellow liquid.

Solubility Slightly soluble in cold water, soluble in hot water, miscible in alcohol and ether.

Melting point -75 ° C

Boiling point 183-184 ° C 765 mm Hg(lit.)

Density 0.9 g/mL at 25 ° C(lit.)

Refractive index n₂₀/D1.501(lit.)

Flash point 130 ° F

Storage conditions Flammables area

Water solubility 8 g/L (20 ° C)

BRN 1099620 A

use:

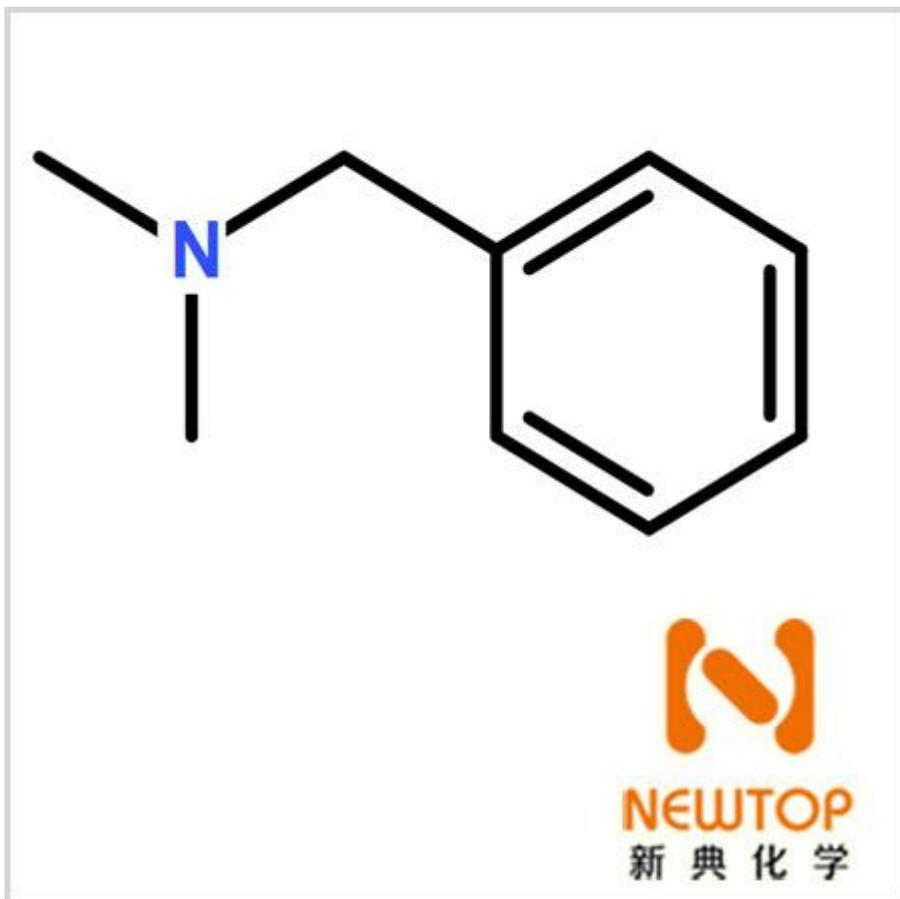
In the polyurethane industry, BDMA is a catalyst for polyester polyurethane block soft foam, polyurethane rigid foam, polyurethane sheet and adhesive coatings. It is mainly used for hard foam, which can provide polyurethane foam with good early fluidity and uniform cells. Good adhesion between foam and substrate;

In the field of organic synthesis, BDMA is mainly used as a catalyst for the synthesis of dehydrohalogen in organic drugs, corrosion inhibitors, acid neutralizers, accelerators for embedding electron microscope slices, etc.;

BDMA is also used to synthesize quaternary ammonium salts and produce cationic surface active powerful fungicides, etc.;

In terms of epoxy resin, BDMA is mainly used to promote curing systems such as anhydrides, polyamides, and fatty amines to accelerate product curing. It is widely used in epoxy resin potting materials, encapsulating materials, epoxy floor coatings, and marine paint Used as curing accelerator;

Specific application examples of BDMA are: carbon fiber/monomolecular epoxy resin-based composite laminates, electrophoretic coatings of epoxy substrates, and dry-type transformer encapsulants;



Alias:

Dimethylbenzylamine Benzyl dimethylamine BDMA 103-83-3 Dabco BDMA Jeffcat BDMA Lupragen N103 PC CAT NP60

Storage and transportation:

Should be sealed and stored in a dry, cool and ventilated warehouse

package:

200KG/drum Storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent the water and other substances from mixing into the product and affecting its performance. Do not breathe dust, avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothing separately and wash it before reuse. Maintain good hygiene habits.

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FAQ

Q1: May I get one sample before placing order?

Re: Yes, Sample are available. For normal products, samples are for free and you just need to bear the freight; For those high value products, you just need to freight and certain product cost. When we both cooperate for some times or when you are our VIP customer, free sample will be offered when you need.

Q2: Which payment is available for your company?

Re: T/T, L/C ,You can choose the one which is convenient for you.

Q3: How and when can I get my goods after payment?

Re: For small quantity products, they will be delivered to you by international courier(DHL, FedEx, TNT etc.)

or by air. Usually it will cost 3-5days that you can get the goods after delivery.For large quantity products, shipping by sea is worthwhile.It will cost days to weeks to come to your destination port, which depends on where the port is.

Q4: Is there any possible to use my appointed label or package?

Re: Yes. If needed, we'd like to use label or package according to your requirement.

Q5: How can you guarantee the goods you offer is qualified?

Re: We always believe honesty and responsibility are basis of one company, so whatever products we provide for you all are qualified.