

Dimorpholinyl diethyl ether CAS 6425-39-4 2,2-bismorpholinyl diethyl ether

Overview:

Morpholine diethyl ether is used as a catalyst (or curing agent) in single-component polyurethane systems (such as polyurethane single-component caulking agent, polyurethane single-component foam rubber, polyurethane single-component grouting material, etc.). Since the one-component polyurethane prepolymer requires long-term storage stability, bismorpholine diethyl ether plays a key role in the stability and polymerization of the polyurethane prepolymer, which is also important for the bismorpholine diethyl ether Product quality puts forward extremely high requirements.

Basic Information:

Product Name: Dimorpholinyl diethyl ether

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Alias: 2,2-bismorpholinyl diethyl ether, dimorpholine diethyl ether, bis (2,2-morpholinoethyl) ether.

Abbreviations: DMDEE, bismorpholinyl diethyl ether, CAS 6425-39-4, catalyst DMDEE, polyurethane catalyst DMDEE, foaming catalyst DMDEE DMDEE, Dabco DMDEE, Jeffcat DMDEE, Lupragen N106, PC CAT DMDEE, Addocat 118, Fa Foam catalyst DMDEE, polyurethane foaming catalyst DMDEE

English name: 2,2-dimorpholinodiethylether; bis(2,2-morpholinoethyl)ether.

Molecular formula: C₁₂H₂₄N₂O₃

Relative molecular mass: 244.0

CAS Number: 6425-39-4

Physical and chemical properties:

The appearance of bismorpholinyl diethyl ether is colorless to light yellow liquid, soluble in water.

Typical physical properties are:

Viscosity (25°C): 18mPa • s;

Relative density (25°C): 1.06;

Boiling point: greater than 225°C;

Melting point: less than -28°C;

Flash point (TCC): 146°C;

Amine value: 7.9 to 8.1 mmol/g.

The purity of industrial products is generally $\geq 99\%$ or $\geq 98\%$, and the water content $\leq 0.5\%$.

application:

2,2-bismorpholinyl diethyl ether is suitable for water curing system and is a strong foaming catalyst. Due to the steric effect of the amino group, it can extend the storage period of the NCO component, suitable for TDI, MDI, IPDI, etc. Catalytic reaction of NCO and water in the system; 2,2-bismorpholinyl diethyl ether is mainly used for single-component rigid polyurethane foam system, and can also be used for polyether and polyester polyurethane flexible foam, semi-rigid foam, CASE materials, etc., add 0.3-0.55% of the polyether/ester component.

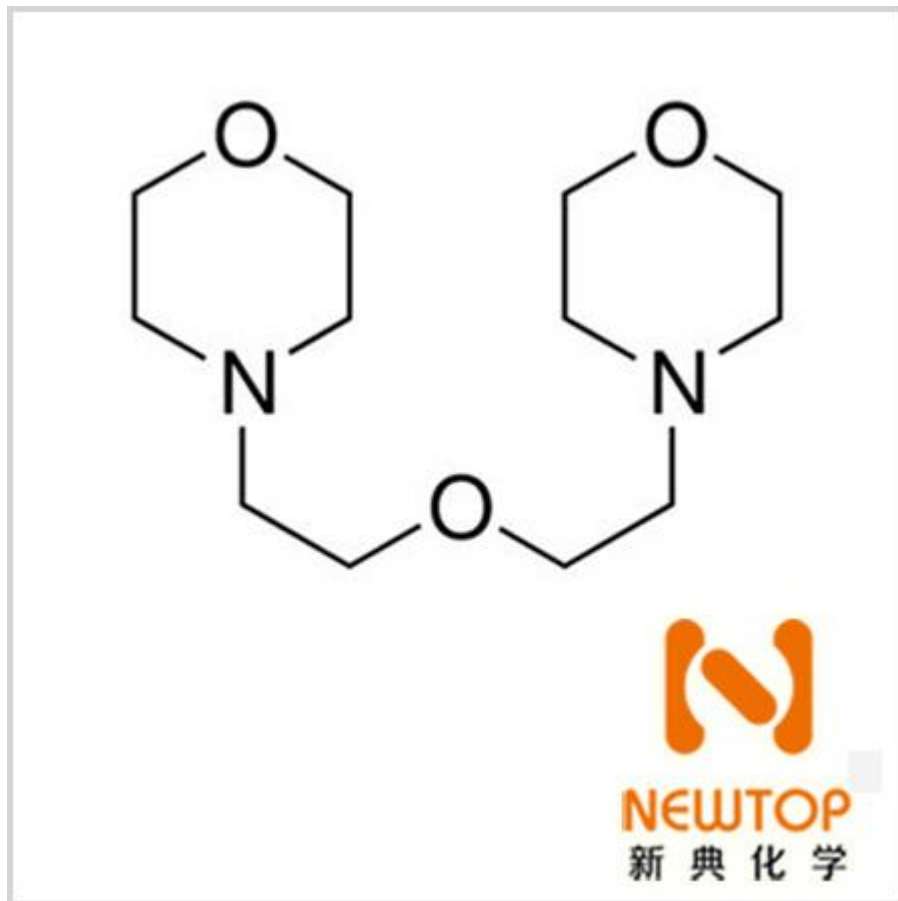
Bismorpholinyl diethyl ether is an amine catalyst suitable for curing systems. It is a strong foaming catalyst. Due to the steric hindrance of the amino group, the NCO-containing component can have a long storage

period. It is mainly used for single-component rigid polyurethane foam system, and can also be used for polyether type and polyester type polyurethane soft foam, semi-rigid foam, CASE material, etc.

Safety:

Dimorpholinyl diethyl ether can burn eyes and skin. In case of contact with eyes, wash eyes immediately with plenty of water and seek medical treatment immediately. In case of contact with skin, rinse affected area immediately with water. During the material handling, it is advisable to wear splash-proof goggles, and it is advisable to wear butyl rubber gloves, rubber lab coats and rubber boots.

Dimorpholinyl diethyl ether 6425-39-4 DMDEE Dabco DMDEE Jeffcat DMDEE Lupragen N106 PC CAT DMDEE Addocat 118



Storage and transportation:

It should be sealed and stored in a dry, cool and ventilated warehouse, sealed and stored at room temperature.

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.