

Lupragen N100 Catalyst BASF

Overview:

Physical and Chemical Properties

Lupragen N100 is colorless to light yellow transparent liquid at room temperature, soluble in alcohol and ether solvent, insoluble in water.

Density (25°C): 0.85-0.87g/cm³

Freezing point: -60°C

Flash point (closed cup): 40~41°C

Boiling range: 160~165°C

Viscosity (25°C): 2mPa.s

Product Application

The main application of Lupragen N100 is as a catalyst for rigid polyurethane foam.

Lupragen N100 is a low viscosity, moderately active amine catalyst for refrigerator rigid foam, sheet, spray, and field infusion polyurethane rigid foam. The catalyst is catalytic for both gelation and foaming, providing a more balanced catalytic performance for both foaming and gelation reactions of hard foam. It is a stronger catalyst for the reaction of water with isocyanate (foaming reaction), and also moderately catalytic for the reaction of polyol with isocyanate, and it is a strong initial catalyst for foam reactions. In addition to hard foam, it can also be used as an auxiliary catalyst for molding soft foam and semi-rigid foam, etc.

Lupragen N100 is particularly suitable for the formulation of two-component systems, and can be dissolved in a wide range of hard foam polyols and additives, in combination materials, with large adjustability and long-term storage.



Package

Packed in clean, dry, sealed and leak-free special plastic drums with a net weight of 20kg/25kg/180kg per drum.

Storage and transportation

When transporting Catalyst, it should be strictly protected from rain and staining, carefully and gently stored to prevent leakage from collision with hard objects. When storing Catalyst, it should be stored at room temperature in a ventilated and dry warehouse, avoiding humid environment, and the storage temperature should be kept below 25°C, avoiding sunlight as much as possible, and away from water and heat sources. To prevent moisture absorption and oxidation, it is recommended to fill the container with nitrogen.

Shelf life

Under proper storage conditions, the shelf life is 6 months from the date of manufacture, after which the product can be used after retesting.

Safety Information

Catalyst is somewhat toxic and should be rinsed with soapy water promptly after contact with skin. Staff can wear eye protection or safety glasses for the purpose of eye protection. Eye wash and drenching equipment should be provided near the workplace. When working in places where contact with the product is possible, attention should be paid to personal hygiene and the skin in contact with the product should be washed with washing products before eating, smoking and leaving the workplace.

Leak handling

Stop spills as much as possible while ensuring safety. If a minor spill is found, treat it with sand or other absorbent material and place it in a clean, dry container for subsequent disposal. If a large spill occurs, the spilled material should be collected for subsequent disposal. Avoid entering groundwater or surface water as the material is not readily biodegradable. All collected spilled material should be disposed of in accordance with local environmental regulations.

Disclaimers

The information and technical advice provided above has been obtained from our reliable sources, however, we make no express or implied warranties with respect to the data provided and make no promises herein. If our products are to be used, we recommend that they undergo a series of tests. The application, use, processing or production of products based on the technical information provided by us is beyond our control and therefore these responsibilities are the responsibility of the user. The condition and method of handling, storage, use or disposal of this product is beyond our control and may be beyond our knowledge, and in no event will we be liable for loss, damage or costs associated with the improper handling, storage, use or disposal of this chemical. For more information, please review the technical safety sheets for our products or contact our marketing services department.

Uses:

Promotes the reaction of hydroxyl functional groups with NCO

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Shelf life.

Keep unopened,two years

Storage and transportation:

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

Packaging:

200KG/drum Storage: It is recommended to store in dry and cool area with proper ventilation. Please fasten the lid as soon as possible after the original packaging to prevent the mixing of other substances such as water and other substances from affecting the product performance. Do not inhale dust and avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothes separately and wash them before use. Maintain good hygiene habits.

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