

## PC CAT NP112 Catalyst

### Overview:

Chinese name: N-cyclohexyl-N-methylcyclohexanamine,N-methyldicyclohexylamine

English name: N-cyclohexyl-N-methylcyclohexanamine

Molecular formula: C<sub>13</sub>H<sub>25</sub>N

Relative molecular mass: 196

CAS No.: 7560-83-0

### Performance:

N-Methyldicyclohexylamine is a colorless transparent liquid, insoluble in water (solubility less than 0.1%).

Viscosity (25°C,mPa.s): 10

Density (25°C,g/cm<sup>3</sup>): 0.89

Water solubility: insoluble in water

Flash point (PMCC,°C): 101

Hydroxyl value (mgKOH/g): 0

### Uses:

N-Methyldicyclohexylamine is a low odor tertiary amine co-catalyst used to improve skin curing of flexible and rigid polyurethane foams;

N-methyl dicyclohexylamine is mainly used as a co-catalyst for foaming catalyst and gel catalyst, adding 20% of N-methyl dicyclohexyl to the main catalyst can accelerate the curing and has basically no effect on other properties;

N-Methyldicyclohexylamine is mainly used in polyurethane rigid building materials, polyurethane rigid spray foam and polyurethane flexible foam.

PC CAT NP112 is a tertiary amine catalyst for the production of polyurethane foams. It is a clear, colorless liquid with a mild odor.

PC CAT NP112 is a strong catalyst that can be used to produce foams with a wide range of properties. It is also a low odor catalyst, which makes it ideal for applications where odor emissions are a concern.

### Applications

flexible polyurethane foam

rigid polyurethane foam

elastomers

coatings

adhesives

### Advantages

strong catalyst

low odor

Wide range of applications

Easy to use



### 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.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**