

PC CAT NP30 Catalyst Tris(dimethylaminomethyl)phenol

Overview:

PC CAT NP30 is a tertiary amine-based foaming catalyst that facilitates the urea (water-isocyanate) reaction in a variety of rigid and flexible polyurethane foam applications. It is the industry standard foaming catalyst for rigid foams used in MDI-based cast-in-place polyurethane systems, such as rigid appliances. It is also used in combination with trimer catalysts in PIR laminate formulations. PC CAT NP30 can also be used in TDI, TDI/MDI, MDI high resilience (HR) flexible molded foams as well as in self-crusting and microcellular systems. It has a shelf life of 36 months.

Synonyms: 2,4,6-tris(dimethylaminomethyl)phenol CAS:90-72-2 catalyst TMR-30 polyurethane catalyst TMR-30 dimethylaminomethyl phenol DabcoTMR-30PC CAT NP30, 2,4,6-tris(dimethylaminomethyl)phenol, CAS:90-72-2, catalyst TMR-30, polyurethane catalyst TMR -30, dimethylaminomethyl phenol, Dabco TMR-30, PC CAT NP30, TMR-30, semi-rigid foam catalyst TMR-30, rigid foam catalyst TMR-30, DABCO TMR

CAS No.

PC CAT NP30 This is a unique identifier for PC CAT NP30 and is used to track and identify it throughout the supply chain. The CAS number is also used to search for information about PC CAT NP30 in databases and other resources.

Physical and Chemical Properties

The physical and chemical properties of PC CAT NP30 are shown in the following table:

Properties Value

Appearance Clear colorless liquid

Odor Slight ammonia odor

Specific gravity 1.040

Boiling point 200°C

Flash point 100°C

Water solubility Miscible

Solubility in organic solvents Miscible

Characteristics

- Promotes urea (water-isocyanate) reaction

- Used in a variety of rigid and flexible polyurethane foam applications

- Industry standard foaming catalyst for rigid foams

- for MDI-based cast-in-place polyurethane systems such as rigid appliances

- used in combination with trimer catalysts in PIR laminate formulations

- is also used in TDI, TDI/MDI, MDI high resilience (HR) flexible molded foams and in self-crusting and microcellular systems

- has a shelf life of 36 months

Applications

- rigid polyurethane foam

- cast-in-place polyurethane systems

- PIR laminated paperboard

TDI, TDI/MDI, MDI High Resiliency (HR) Flexible Molded Foam
Self-crusting foam
microcellular foam

Advantages

promotes urea (water-isocyanate) reaction
for a variety of rigid and flexible polyurethane foam applications
Industry standard foaming catalyst for rigid foams
can be used in combination with trimer catalysts
has a shelf life of 36 months



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.

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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