

NT CAT A-301 catalyst CAS1739-84-0 Newtopchem

NT CAT A-301 is a delayed acting balanced tertiary amine catalyst. It has been developed specifically for rapid release High Elastic (HR) molded foam systems. Provides good dimensional stability and excellent compressive strength.

What is NT CAT A-301?

NT CAT A-301 is a compound that is used as a catalyst in the production of polyurethane foam. It is a tertiary amine, which means it has three nitrogen atoms. Tertiary amines are often used as catalysts because they are effective in promoting the carbamate and urea reactions necessary to make polyurethane foams.



What are the benefits of using NT CAT A-301?

There are several benefits to using NT CAT A-301 in the production of polyurethane foams. These benefits include:

Delayed action: The NT CAT A-301 has a delayed action, meaning that the reaction does not begin immediately after being added to the polyurethane system. This allows for better control of the foaming process and helps prevent problems such as too fast foaming or uneven foaming.

Balanced catalyst: NT CAT A-301 is a balanced catalyst, which means it promotes the urethane and urea reactions in polyurethane foam. This results in the foam having good properties, such as strength, flexibility, and water resistance.

High Efficiency: NT CAT A-301 is a high efficiency catalyst, which means it requires less catalyst to create foam compared to other catalysts. This saves money and reduces environmental impact.

Wide processing range: The NT CAT A-301 has a wide processing range, which means it can be used in a variety of polyurethane systems. This makes it a versatile catalyst that can be used to produce a wide range of foams.

What are the risks associated with using NT CAT A-301?

There are some risks associated with using the NT CAT A-301. These risks include:

- **Skin irritation:** The NT CAT A-301 can irritate the skin. If it comes into contact with your skin, wash the area immediately with soap and water.

- **Respiratory irritation:** NT CAT A-301 can irritate the respiratory system. If you inhale NT CAT A-301 vapor or mist, move to fresh air and seek medical attention if you develop any symptoms.
- **Flammability:** NT CAT A-301 is flammable. Keep away from heat sources and open flames.

How should the NT CAT A-301 be stored and disposed of?

NT CAT A-301 should be stored in a cool, dry place. Keep away from heat sources and open flames. The NT CAT A-301 should be disposed of according to local, state, and federal regulations.

What are the applications of the NT CAT A-301?

The NT CAT A-301 is used in a variety of applications, including:

- **High Rebound (HR) Molded foam systems:** The NT CAT A-301 is used in HR molded foam systems to provide fast release, good dimensional stability, and excellent compressive strength.
- **Automotive foam:** NT CAT A-301 is used in automotive foam to provide good strength, flexibility and water resistance.
- **Building and construction foam:** NT CAT A-301 is used in building and construction foam to provide good insulation, fire resistance and water resistance.

- **Footwear foam:** NT CAT A-301 is used in footwear foam to provide good cushioning, flexibility and water resistance.
- **Sports equipment foam:** NT CAT A-301 is used in sports equipment foam to provide good cushioning, flexibility and water resistance.

If you have any further questions about the NT CAT A-301, consult the manufacturer's safety data sheet or contact a qualified professional.

Shelf life:

Remain unopened for two years

Storage and Transportation:

Should be sealed, stored in a dry cool ventilated warehouse

Packing:

200KG/ barrel 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 moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing.

Practice good hygiene.

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