

Niax EF-700 Tertiary Amine Catalyst Momentive

Overview:

Niax Catalyst EF-700 is an effective blowing amine for controlling creaming and foaming times in the manufacture of flexible polyurethane foams. As a highly efficient blow molding catalyst, Niax Catalyst EF-700 is ideal for in-situ casting applications where short creaming times are required.

Niax Catalyst EF-700 a liquid, low odor, foaming action tertiary amine catalyst is specifically designed for the production of low odor, low volatility automotive interior parts. This non-volatile amine catalyst benefits from its high molecular weight and special molecular structure;

Niax™ Catalyst EF-700

Niax catalyst EF-700 is an effective amine foaming catalyst for controlling emulsion time and rise time in the production of flexible polyurethane foams. As an effective foaming catalyst, Niax catalyst EF-700 is particularly well suited for in-situ casting applications where reduced emulsion time is required.

As a member of the Niax EF family of catalysts, the proprietary molecular design and high molecular weight of Niax catalyst EF-700 provides a strong affinity for the polyurethane chemical structure, which does not normally affect the physical properties of polyurethane foams. It also facilitates the metering of existing equipment, resulting in easy processability across a wide range of feedstocks and equipment.

Our Niax EF Series catalysts liquid low odor tertiary amines are designed to minimize or eliminate amine emissions from foams. The non-volatility of these amines is a result of the molecular design and high molecular weight. Amines such as these are not expected to adversely affect the physical properties of typical foams.

Niax catalyst EF-700 is an effective blowing amine that can be used to control the creaming time of flexible foams in polyurethane production processes. The first application to consider this blowing catalyst is in automotive seat molding where internal fogging of the foam must be minimized to minimize emissions.

This new amine catalyst can also be a candidate for consideration in flexible slabstock applications where it can replace traditional, volatile, blowing amines when emissions need to be reduced.

Key Features and Typical Benefits

Designed to minimize or eliminate amine emissions in automobiles internally with easy metering in existing equipment requiring use levels of only about 20% greater than Niax Catalyst A-1 with typically no expected adverse effects on foam physical properties

Typical physical properties of EF-700 catalyst

Liquid formation

Viscosity at 20°C, cSt

Flash point, Pensky Martin closed cup (ASTM D), °C 99

Specific gravity, 25°C 0.955

Freezing point, °C 11



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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smoking and leaving the workplace.

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