

Niax A-300 Catalyst Momentive

Overview:

NIAX Catalyst A-300 is a delayed cross-linking action catalyst designed for the production of polyurethane for automotive seat and back cushions. The production of foam will have good open pore properties, but at the same time maintain the stability of the foam formulation without collapsing the foam, and improve foam flow for systems using MDI containing components, fast reacting and slow flowing;

Niax Catalyst A-300 can help in the production of polyurethane foam in your molded products. This liquid, water-soluble tertiary amine composition facilitates the reaction process during gelation production but all the similarities to other catalysts are enhanced by the unique features of Niax Catalyst A-300 delayed action.

Niax Catalyst A-300 and Niax Catalyst A-400 belong to a new class of catalysts that delay the action of the catalyst to initiate efficiency by delaying the reaction during production of essentially more open foam.

This performance oriented catalyst is easy to adapt to add to your operation: add Niax Catalyst A-300 as a stand alone logistic or mix it with water or polyol to dose into the mixing head machine.

Key features and typical benefits

Niax Catalyst A-300 brings added value

Its performance characteristics include

Improved flow in the mold

-Easier production of complex products

Parts

-Density reduction of 1-5%

Significant reduction in blitz teams means higher yields

Compared to open cell foam

Competitive delayed action catalysts

Much lower amine fugacity

Much less corrosive to soft steel

Applications

Niax Catalyst A-300 is targeted for use in the production of a wide variety of automotive seats and global contact upholstered furniture.

Excellent mold flow performance and other unique features also make Niax Catalyst A-300 well suited for a wide variety of automotive interior component applications.

Caution:

Niax Catalyst A-300 is similar in activity to Niax Catalyst A-33 Niax Catalyst A-300's delayed

action functionality in MDI and TDI/MDI blends in typical molded foam applications, Niox offers Delayed Gel Catalyst A-300 in combination with foaming catalysts such as Niox Catalyst A-1.

Niox Catalyst A-300 Performance Data

Table 1 shows Niox Catalyst A-300 in a typical MDI formulation and clearly illustrates the key details of Niox Catalyst A-300:

Niox Catalyst A-300 produces more open foam delayed action gel catalyst flux than competing products considerably more important in maintaining cure while extruding at low exponential forces (as shown by thermal ILD values) - In the maze mold, Niox Catalyst A-300 flux is improved with the benefit of being able to reduce Filling of the minimum weight mold, resulting in lower density over the entire index range



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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