

## Niax LC-5630 Thermosensitive Catalyst Momentive

### Overview:

Niax catalyst LC-5630 thermosensitive catalyst which is non-catalytic at room temperature and begins to catalyze the formation of carbamate bonds when the temperature reaches 70°C;

### Product Description

NIAX\* Catalyst LC-5630 is a unique metal-based delayed gel catalyst specifically designed for use in mechanical froth foams. Mechanical foam technology utilizes a high shear mechanical mixer to disperse the blended gas into the polyurethane system to prepare the backing material. The density of polyurethane foam produced without the addition of physical blowing agents is typically 290-320 KG/M<sup>3</sup>. The addition of small amounts of water can reduce the density to 190-225 KG/M<sup>3</sup>. These foams are widely used in carpet backing, automotive headrests and door liners, specialty fabrics, gaskets, seals, and double-sided tapes.

### Typical features

- Superb delay effect
- Unique temperature-sensitive catalytic effect
- Provides good mechanical properties of the foam
- Low viscosity

### Physical properties

Appearance

Green clarified liquid or slightly precipitated and cloudy

Viscosity @ 25°C, cSt

5

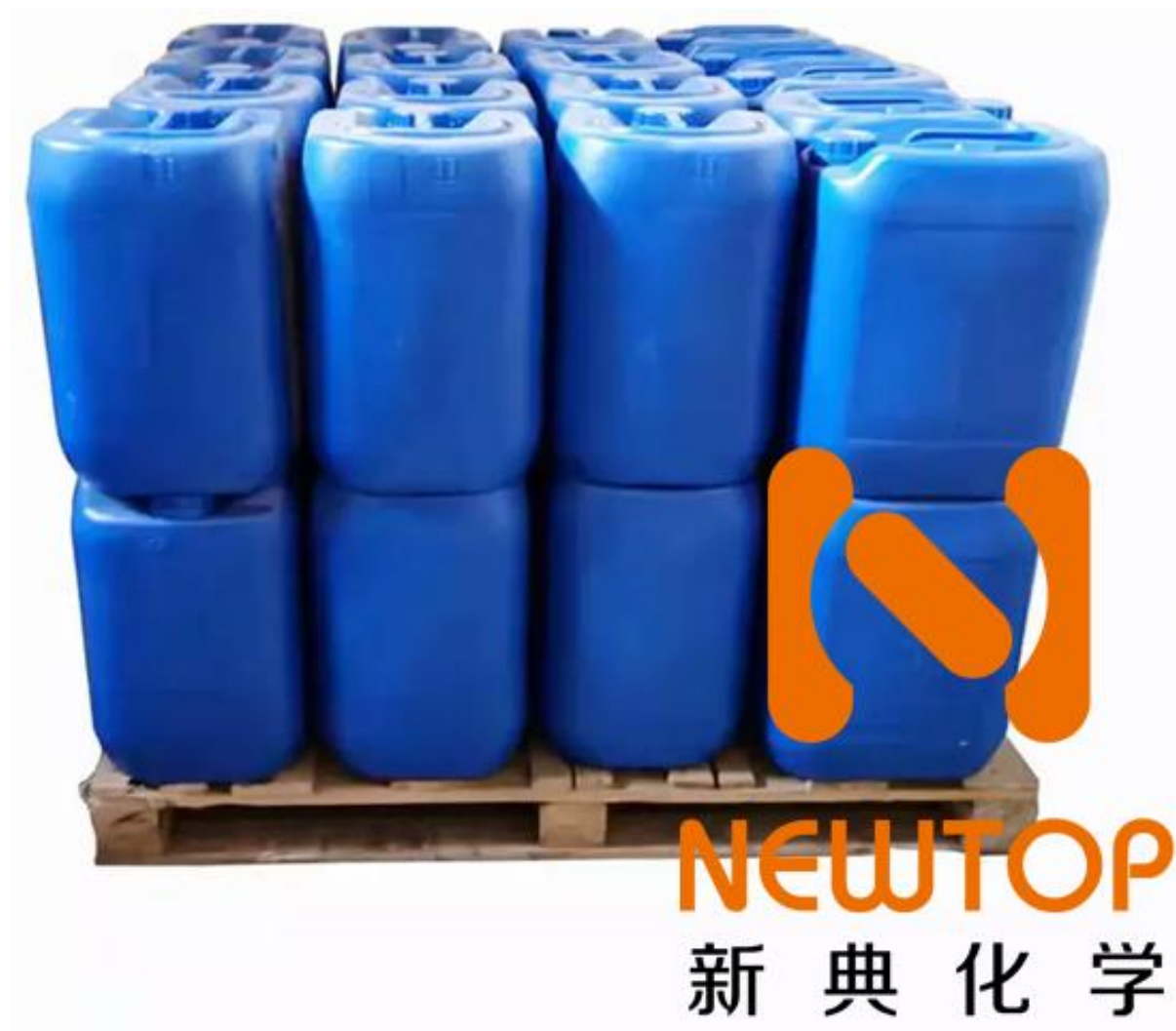
Specific gravity (25°C), g/cc

1.038

Flash point, °C

93

LC-5630 is relatively inert at room temperature and starts to react above 70°C; the dosage in mechanical foam is about 2-4 parts per 100 parts of polyol and the curing time is about 4 minutes at 135-150°C.



### 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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