

## Niax D-19 Gel Catalyst Stannous Octanoate CAS301-10-0

### Overview:

Niax Catalyst D-19 Stannous octanoate, gel catalyst for polyurethane elastomers, coatings, adhesives and foams; Stannous octanoate, an organic compound with the chemical formula  $C_{16}H_{30}O_4Sn$ , is a white or yellow paste, mainly used as an auxiliary in the polyurethane industry, but also as a highly effective catalyst and antioxidant.

D-19: (stannous octanoate) is a catalyst used in the production of flexible polyurethane foam. d-19 is a polyurethane additive with low viscosity and soluble in general organic solvents, it has a special catalytic effect to promote the chemical reaction of isocyanate/hydroxyl group in one-step polyurethane processing, and is a highly active catalyst for gel reaction.

Chinese name Stannous octoate  
Foreign name Stannous octoate  
Alias Stannous 2-ethylhexanoate.  
Chemical formula  $C_{16}H_{30}O_4Sn$   
Molecular weight 405.108CAS  
Registry Number 301-10-0EINECS  
Registry Number 206-108-6  
Density 1.251 g/cm<sup>3</sup>  
Appearance white or yellow paste  
Safety description S26; S36/37/39  
Hazard symbol Xi  
Hazard description R36/37/38

### Niax Tin Catalyst D-19

Product characteristics: Niax Tin Catalyst D-19 (Stannous Octanoate) is designed for use as a catalyst in the production of flexible polyurethane foam. D-19 is a low-viscosity polyurethane additive that is soluble in common organic solvents and has a special catalytic effect to facilitate the chemical reaction of isocyanate/hydroxyl groups in one-step polyurethane processing and is a highly active catalyst for gelation reactions. Main characteristics and advantages: It helps to produce very good, neat and orderly foam, has high catalytic activity, uses small amount, fast and high foaming efficiency, has controlled catalytic stability, and can minimize the loss caused by collapsing foam.

Application area: It is designed to be used as a catalyst for the production of flexible polyurethane foam

### Technical indexes:

Physical properties Unit Numerical value  
Form Clear light yellow liquid  
Color Gardner up to 3

Specific gravity @ 25°C 1.25-1.31

Tin/tin, wt% min. 97

Total tin content, wt% min. 28

Packing: 25kg/barrel

### **Main properties and advantages:**

Helps to produce high quality, neat and orderly foam, with high catalytic activity, with a small amount, fast, high foaming efficiency, with controlled catalytic stability, can reduce the loss caused by collapsing foam.



### **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

### **Safety Information:**

Catalyst is somewhat toxic and should be rinsed promptly with soapy water after contact with

skin. Staff may wear eye protection or safety glasses for eye protection purposes. 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.

### **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](mailto:info@newtopchem.com)**