

## PC CAT T9 Catalyst Nitro

### Overview:

PC CAT T-9 is a low odor reactive foaming catalyst.

The following is a table of the physical and chemical properties of PC CAT T-9:

Physical properties Numerical values

Density (25°C) 0.90-0.91g/cm<sup>3</sup>

Boiling point 207°C

Flash point (PMCC) 88°C

Vapor pressure (20°C) 100Pa

Alias: Stannous octoate, Stannous octoate, DABCO T-9, Kosmos 29, Addocat SO, Niax D-19, PC CAT T9, Borch Kat 28, CAS 301-10-0, dabco t catalyst, dabco t polyurethane catalyst, Stannous octoate D19, Stannous octoate T- 9, Gel Catalyst T-9, Organotin T-9

Stannous octoate is a basic catalyst used in the production of polyurethane foam, room temperature curing silicone rubber, polyurethane rubber, and polyurethane coatings. It is chemically very unstable and highly susceptible to oxidation.

Chinese name Stannous octoate

English Name Stannous octoate

Chemical formula C<sub>16</sub>H<sub>30</sub>O<sub>4</sub>Sn

Molecular weight 405.1

CAS No. 301-10-0

Density 1.251

Stannous main content 28+/-0.50%

Corrosiveness: Non-corrosive

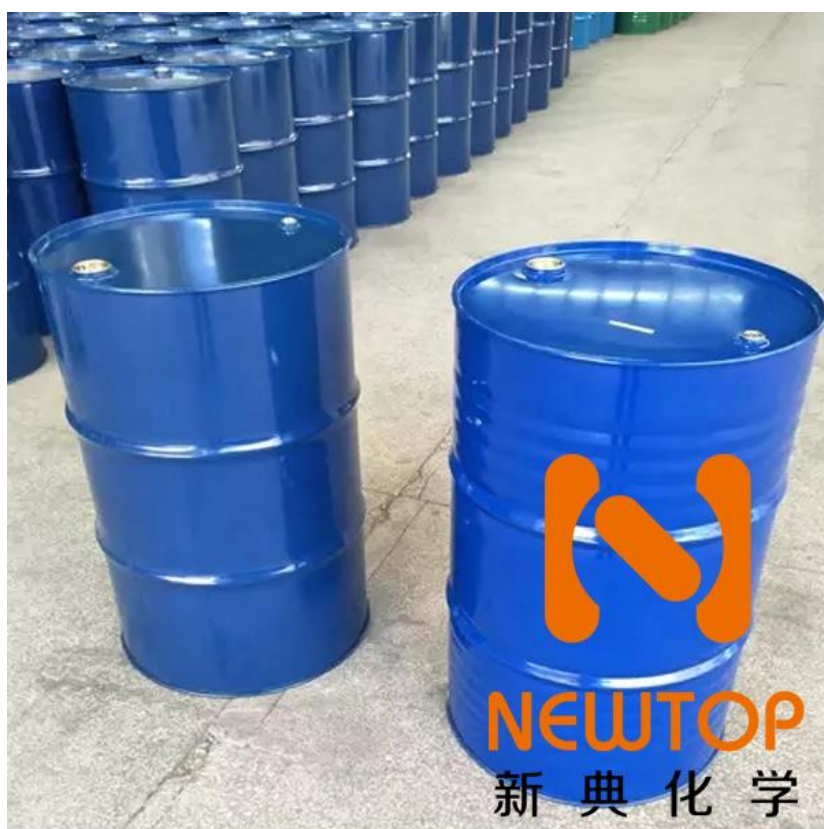
The CAS number of PC CAT T-9 is 29568-56-9, molecular formula is  $C_8H_{20}N_2$ , molecular weight is 144.26.

Uses:

Used in organic synthesis.

Stannous isooctanoate is a white or yellowish brown paste, sometimes called stannous octanoate. It is soluble in petroleum ether and insoluble in water. It is a basic catalyst for the production of polyurethane foam, mainly used in the gelation reaction of polyether-polyurethane foaming, and also as an anti-aging agent for polyurethane foam. Used as a catalyst for polyurethane synthesis and room temperature vulcanization of silicone rubber. It is also used as a catalyst type curing agent for epoxy resins. Stannous octanoate is more catalytically active than dibutyltin laurate in curing, and if the two are used in combination, the effect is better than using them alone, and the reaction speed and curing speed can be taken into account. Because the divalent tin compounds are easily oxidized and

decomposed by oxygen and water vapor in the air, they should be stored for nitrogen protection and must be sealed to avoid high temperature and excessive humidity to prevent activity decline or failure. PC CAT T-9 is a low odor reactive foaming catalyst for the preparation of foam microporous structures. Precautions for use: Avoid contact with skin and inhalation of vapors or fumes.



### 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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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)**