

## FASCAT2001 catalyst CAS301-10-0 Stannous octoate

### Overview:

Chinese name: stannous octanoate

Alias: FASCAT2001 catalyst, 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

English name: Stannous octoate, 2-ethyl-hexanoicacitin(2++)salt;STANNOUS 2-ETHYLHEXANOATE;STANNOUS 2-ETHYLHEXOATE;STANNOUS CAPRYLATE;Stannous octanoate;STANNOUS OCTOATE;TIN 2-ETHYL HEXANOATE;TIN 2-ETHYLHEXO

Related Categories: Organotin; Organometallic Reagents; Catalysts; Metal Organics; Organic Chemical Materials; Biochemical Reagents; Analytical Pure; Organic Chemical Materials; Original Pharmaceutical Chemicalbook Materials; Additives; Organic-metalsalt; Metalcarboxylate; Curing Agent  
Stannous octoate (stannous octoate) is a basic catalyst for the production of polyurethane foam, room temperature curing silicone rubber, polyurethane rubber, and polyurethane coatings. The chemical properties are extremely unstable and easily oxidized.

Chinese name stannous octoate

English name Stannous octoate

Chemical formula  $C_{16}H_{30}O_4Sn$

Molecular weight 405.1

CAS Registry Number 301-10-0

Density 1.251

Main content of stannous 28+/-0.50%

Corrosion: non-corrosive



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

Physical and chemical properties:

Formula: C<sub>16</sub>H<sub>30</sub>O<sub>4</sub>Sn

Molecular Weight: 405.10

CAS No: 301-10-0

Density 1.251

Main content of stannous: 28+/-0.50%

Main ingredients: content: (calculated as stannous) about 22%, total tin about 23% EC.

Appearance and traits: white or yellow paste.

Relative density (water = 1): 1.251

Flash point (°C): >110

Freezing point: -20°C

Viscosity (25°C): ≤380MPa • s

Refractive index: 1.492

Solubility: insoluble in water, soluble in petroleum ether and polyol

Corrosion: no corrosion

Toxicity: Toxic, with strong neurotoxicity, the allowable concentration in the air is 0.1mg/m<sup>3</sup>.

Other physical and chemical properties: 1.4933

#### **Quality Index:**

Appearance [1] Light yellow transparent liquid or yellowish brown paste

Chroma (platinum-cobalt color number) ≤6

Mass fraction of total tin ≥28.0%

Stannous content ≥27.25%

Foreign brands include Kosmos 29 (Germany) and Nuocure (USA).

#### **use:**

Used in organic synthesis.

Stannous octoate is a white or light yellow-brown paste, sometimes called stannous octoate. Soluble in petroleum ether, insoluble in water. It is the basic catalyst for the production of polyurethane foam, mainly used for the gelation reaction of polyether-polyurethane foaming, and can also be used as an antioxidant for urethane 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 resin. The catalytic activity of stannous octoate is greater than that of dibutyltin dilaurate during curing. If the two are used in combination, the effect will be better than when used alone, and it can take into account the reaction speed and curing speed.

Since divalent tin compounds are easily oxidized and decomposed by oxygen and water vapor in the air, they must be used for nitrogen protection during storage and must be sealed to avoid high temperature and excessive humidity to prevent activity degradation or failure.

#### **Storage and transportation:**

Should be sealed and stored in a dry, cool and ventilated warehouse

#### **package:**

200KG/barrel Storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent the product performance from being mixed with other substances such as waterproofing.

Store in a cool, dry place, keep the container tightly closed, and avoid contact with oxides. Do not inhale dust and avoid contact with skin and mucous membranes. Smoking, eating and drinking are prohibited in the workplace. After work, take a shower and change clothes. Store contaminated clothes separately and use them after washing. Maintain good hygiene.

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## FAQ

Q1: May I get one sample before placing order?

Re: Yes, Sample are available. For normal products, samples are for free and you just need to bear the freight; For those high value products, you just need to freight and certain product cost. When we both cooperate for some times or when you are our VIP customer, free sample will be offered when you need.

Q2: Which payment is available for your company?

Re: T/T, L/C, You can choose the one which is convenient for you.

Q3: How and when can I get my goods after payment?

Re: For small quantity products, they will be delivered to you by international courier(DHL, FedEx, TNT etc.)

or by air. Usually it will cost 3-5days that you can get the goods after delivery. For large quantity products, shipping by sea is worthwhile. It will cost days to weeks to come to your destination port, which depends on where the port is.

Q4: Is there any possible to use my appointed label or package?

Re: Yes. If needed, we'd like to use label or package according to your requirement.

Q5: How can you guarantee the goods you offer is qualified?

Re: We always believe honesty and responsibility are basis of one company, so whatever products we provide for you all are qualified.