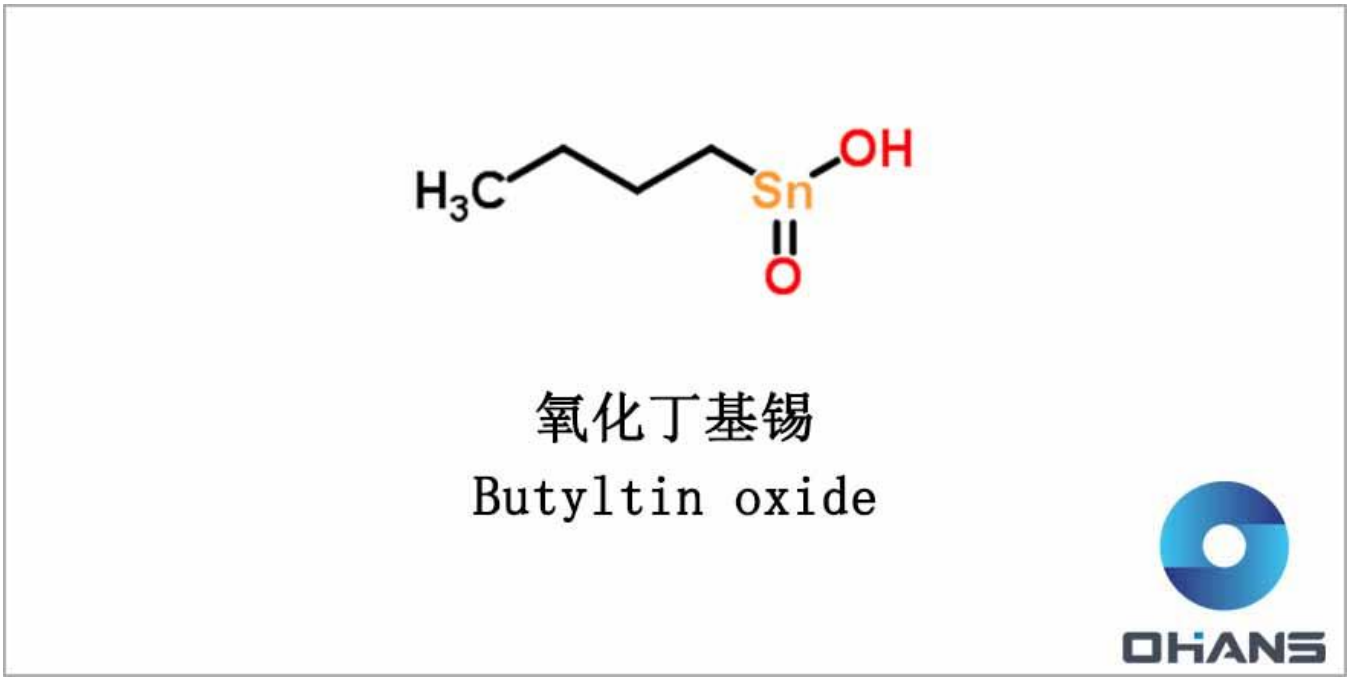
FASCAT4100 Monobutyltin oxide CAS 2273-43-0

Overview:
English name: FASCAT4100, Butyltin oxide, BUTYLENESTANNONIC ACID;BUTYLTINHYDROXIDE-OXIDE;BUTYLTIN(IV) HYDROXIDE OXIDE;BUTYLSTANNOIC ACID;N-BUTYLSTANNOIC ACID;N-BUTYLTIN HYDROXIDE OXIDE;N-BUTYLTIN SESQUIOXIDE;1-butanestannonicacid, Butyl stannoic acid



Physical and chemical properties:
Monobutyltin oxide 4100
4100 series is a multi-purpose product of white solid powder in barrels. As an esterification catalyst, it has thermal stability and hydrolysis resistance. The product is neutral and non-corrosive. After the reaction is completed, it does not need to be separated out and used as a polyester catalyst , It can form a stable decomposition system in coatings, and it is also an intermediate raw material for synthesizing polyvinyl chloride stabilizers and silicone curing catalysts. -4100-Monobutyltin oxide: Sn%≥56 CHF-4101, Dibutyltin oxide: Sn%≥48.2.

Molecular formula: BuSnOOH
Molecular weight: 208.81
CAS#2273-43-0
EC#218-880-1
Molecular formula C4H10O2SN
Properties: White powder, insoluble in water and general solvents, only soluble in strong alkali.
Specifications: Tin content: 57.5±0.5%
Salt content: ≤0.05%
Iron content: ≤0.003%
Loss on drying: ≤1.0%
Melting point: Direct decomposition at high temperature, insoluble.
4100 catalyst is a solid, hydrolytically stable catalyst.
4100 catalyst mainly catalyzes esterification and polycondensation at 210℃~240℃.

During the reaction process, the 4100 catalyst began to dissolve in the carboxylic acid at 80 ° C, and was integrated with the final product without affecting the quality of the product.

The 4100 catalyst can be used at temperatures up to 250° C.

4100 catalyst is neutral and non-corrosive.

- Amorphous white solid for transesterification and esterification
- Hydrolytically stable
- Versatile, neutral catalyst
- Extremely pure with low levels of DBT and TBT contamination

advantage:

Compared with the reaction system without catalyst, 4100 catalyst can greatly shorten the reaction cycle of esterification.

Since only a lower reaction temperature is required, the 4100 catalyst can reduce energy consumption.

4100 catalyst can reduce side reactions to *, such as: dehydration and oxidative degradation of polyols (especially secondary alcohols)

Catalyst 4100 can be premixed with other reactants and requires no other special handling, except to avoid moisture.

The 4100 catalyst requires no neutralization or filtration at the end of the reaction.

use:

4100 catalyst can be used in the synthesis of saturated polyester for powder coatings and coil coatings.

Catalyst 4100 can be used in the production of unsaturated polyesters in gel coats, sheet molding compounds and casting applications.

4100 catalyst can be used in the production of polymeric plasticizers.

Storage and transportation:

It should be sealed and stored in a dry, cool and ventilated warehouse.

Package:

Packing: 25Kg cardboard drum.

Contact Us

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