

FASCAT4102 catalyst monobutyl-triiso-octoate tin Arkema PMC

Overview:

Chinese name: FASCAT4102 Catalyst

Alias: FASCAT4102 catalyst, tin monobutyl triiso-octanoate, CAS 23850-94-5, tin monobutyl triiso-octanoate, tri (2-ethyl-1-caproic acid) butyl tin, butyl tin triiso-octanoate (iso-octanoic acid), monobutyl tin

Physico-chemical properties:

CAS 23850-94-4

EC 245-912-1

Molecular formula C₂₈H₅₄O₆SN

Monobutyl tin triisooctanoate is a light yellow transparent liquid, soluble in most organic solvents, insoluble in water. It is a kind of esterification catalyst with little hydrolysis resistance and high catalytic activity. It is mainly used for esterification and polycondensation reaction with reaction temperature of 210~ 240°C, and the highest reaction temperature can reach 250°C. The catalyst is neutral and has no corrosive effect on the equipment. After the reaction is completed, it does not need to be separated and does not affect the quality of the final product.

【 Melting point 】 -33°C

【 Density 】 1.105 g/mL at 25 °C(lit.)

【 Refractive index 】 n₂₀/D 1.465(lit.)

【 Flash point 】 >230 °F

Purpose:

Yellow liquid is used to synthesize saturated polyester resins for powder coatings and coil coatings.

Other uses include:

- Aromatic polyester polyols for flexible and rigid PU foam applications

Production

- Ring-opening polymerization for polymer production • For the preparation of plasticizers, including dioctyl



Leak treatment

Stop leaks as much as possible while ensuring safety. If a minor leak is found, treat it

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with sand or other absorbent material and place it in a clean, dry container for subsequent treatment. If a large amount of leakage occurs, the leaked material should be collected for subsequent treatment. Avoid material entering groundwater or surface water, because it is not easily degraded by biological matter. All collected leakage materials should be disposed of in accordance with the relevant regulations of the local environmental protection department.

Disclaimer

The information and technical advice provided above are obtained from reliable sources. However, the data provided by us is without express or implied warranties, and no commitments are made herein. If you need to use our products, we recommend a series of tests. The application, use, processing or production of products based on the technical information provided by us is outside our control and therefore the responsibility lies with the user. Conditions and methods of handling, storage, use or disposal of this product are beyond our control and may be beyond our knowledge, and under no circumstances will we be liable for loss, damage or related expenses arising from improper handling, storage, use or disposal of this chemical. For more information, please review the technical safety specifications of our products or contact our Marketing Services department.

Safety Information:

Catalyst, rinse with soapy water promptly after contact with skin. The staff can wear an

eye mask or safety glasses to achieve the purpose of eye protection. Eye washing and bathing facilities should be available near the workplace. When working in places that may come into contact with the product, you should pay attention to personal hygiene and use detergent to wash the skin in contact with the product before eating, smoking and leaving the work.

Shelf life:

Remain unopened for two years

Storage and Transportation:

Should be sealed, stored in a dry cool ventilated warehouse

Packing:

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 moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing. Practice good hygiene.

Technical support and business contacts E-mail: info@newtopchem.com

