

## Fentacat 5 catalyst CAS135470-94-3 Solvay

Fentacat 5 is a high-performance, low-emission, and low-odor tin (II) caprylate catalyst for polyurethane (PU) foam production. It is a clear, colorless liquid with a mild odor.

Fentacat 5 is part of the Solvay Fentacat family of catalysts, which is known for its high performance, low emissions and low odor.

### Product Overview

Fentacat 5 is a catalyst for tin (II) caprylate used in the production of polyurethane (PU) foam.

It is a clear, colorless liquid with a mild odor.

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### Physical and chemical properties

Properties	value
CAS number	135470-94-3
Alias	Tin (II) caprylate

Molecular formula	C <sub>12</sub> H <sub>22</sub> O <sub>4</sub> Sn
Molecular weight	286.35 g/mole
Appearance	Clear colorless liquid
Scent	Mild
Solubility	Soluble in alcohols, ketones and esters, Insoluble in water

## Apply

Fentacat 5 is used to produce a variety of polyurethane (PU) foams, including soft foams, hard foams and microcellular foams. It is also used in the production of polyurethane elastomers and coatings.

## Pros

- Fentacat 5 is a high-performance catalyst, meaning that it produces PU foams with good physical properties, such as high strength and low water absorption.

- Fentacat 5 is a low-emission catalyst, which means it can produce polyurethane foams with low volatile organic compounds (VOC) content.
- Fentacat 5 is a low-odor catalyst, which means it produces PU foam with a pleasant odor.

### **Manufacturing Method**

Fentacat 5 is produced by the reaction of tin (II) oxide with octanol. The reaction occurs in the presence of an acid catalyst.

### **Precautions for use**

- Fentacat 5 is a flammable liquid. It should be stored in a cool, dry place away from heat and fire sources.
- Fentacat 5 is a skin irritant. Wear gloves and goggles when handling.
- Fentacat 5 should not be ingested. If swallowed, should not vomit. Contact poison control immediately.

### **Additional information**

- Fentacat 5 is a registered trademark of Solvay.
- For more information about Fentacat 5, visit the Solvay website.



**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.

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