

## U-CAT SA 102 catalyst CAS112051-70-6 Sanyo Japan

### Product Description

U-CAT SA 102 is a delayed acting polyurethane catalyst for use in two-component polyurethane systems, such as coatings, adhesives, and elastomers. It is a salt of DBU [1, 8-Diaza-bicyclo (5, 4, 0)undec-7-ene] with octanoic acid.

### Physical and chemical properties

CAS Number: 112051-70-6

Molecular formula: C<sub>9</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>

Molecular weight: 189.25 g/mol

Appearance: yellow liquid to solid

Solubility: Easily soluble in water, polyols, butanone, ethyl acetate, etc.

### Use

U-CAT SA 102 is used to accelerate curing of two-component polyurethane systems. It is commonly added to the isocyanate component of the system. The amount of catalysis added will depend on the specific system being used.

### Pros

- **Delayed action:** This allows for a longer application period at room temperature, which is important for applications where polyurethane must be applied and cured in a controlled manner.
- **High catalytic activity:** U-CAT SA 102 is effective even with aliphatic isocyanates, resulting in the formation of non-yellowing polyurethanes.
- **Lower curing temperature:** When used with a capped isocyanate, U-CAT SA 102 can lower the curing temperature, which can be beneficial in some applications.
- **Increased coating speed:** When used for wire coating, U-CAT SA 102 increases the coating speed.

### **Preventive measures**

- U-CAT SA 102 is a skin irritant and respiratory irritant. It is also flammable.
- Always wear gloves, goggles, and a respirator when handling U-CAT SA 102.
- U-CAT SA 102 should be stored in a cool, dry place.
- U-CAT SA 102 should be disposed of in accordance with local regulations.

### **Additional information**

U-CAT SA 102 is a safe and effective polyurethane catalyst that can be used in a variety of applications. Always follow the manufacturer's instructions when using U-CAT SA 102 to ensure safety and best results.



**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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