

U-CAT 1102 catalyst CAS135176-05-4 Sanyo Japan

U-CAT 1102 is a thermal latent alkali generator. It is a DBN 2-ethylcaproate that is active at about 100 degrees Celsius. It is a general-purpose grade DBN salt.

Physicochemical properties of U-CAT 1102

CAS No. : 135176-05-4

Molecular formula: C₁₅H₂₇N•C₄H₉O₂

Molecular weight: 273.44 g/mole

Appearance: Clear colorless liquid

Density: 0.91 g/cm³

Solubility: Soluble in polar solvents such as acetone, methylene chloride, ethyl acetate, etc

Flash point: 110°F (43°C)

Spontaneous combustion temperature: 447°F (230°C)

How to make U-CAT 1102

U-CAT 1102 is prepared by the reaction of DBN with 2-ethylcaproic acid in the presence of a catalyst, such as hydrochloric acid.

Use U-CAT 1102

U-CAT 1102 is used as a curing agent for polyurethane foam. Also used as a hardener for epoxy and polyester resins.

Advantages of U-CAT 1102

- Low toxicity
- Good flexibility
- Long shelf life

Precautions for use of U-CAT 1102

- U-CAT 1102 is a flammable material. It should be stored in a cool, dry place away from heat and fire sources.
- U-CAT 1102 can cause skin irritation and eye damage. Wear gloves and goggles when handling.
- U-CAT 1102 should not be ingested. If swallowed, it may cause nausea, vomiting, and diarrhea.
- If U-CAT 1102 comes into contact with skin, wash the area immediately with soap and water. If U-CAT 1102 gets into your eyes, rinse with water for at least 15 minutes and seek immediate medical attention.



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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