

U-CAT 3513N catalyst CAS135083-58-9 Sanyo Japan

U-CAT 3513N is an aliphatic dialkylurea used as a hardener for polyurethane foams. It is less active than U-CAT 3512T, but has a longer shelf life.

Physicochemical properties of U-CAT 3513N

CAS No. : 135083-58-9

Molecular formula: C₁₂H₁₈N₂O

Molecular weight: 228.29 g/mol

Appearance: white powder

Density: 1.22 g/cm³

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

Flash point: 160°F (71°C)

Spontaneous combustion temperature: 472°F (246°C)

How to make U-CAT 3513N

U-CAT 3513N is prepared by the reaction of dimethylamine with urea in the presence of a catalyst (such as hydrochloric acid).

Use of U-CAT 3513N

U-CAT 3513N is used as a curing agent for polyurethane foam. It is suitable for applications that require good flexibility and low toxicity. U-CAT 3513N can also be used as a curing agent for other thermosetting resins such as epoxy and polyester resins.

Advantages of U-CAT 3513N

- Longer shelf life than U-CAT 3512T
- Good flexibility
- Low toxicity

Precautions for U-CAT 3513N

- U-CAT 3513N is a flammable material. It should be stored in a cool, dry place away from heat and fire sources.
- U-CAT 3513N can cause skin irritation and eye damage. Wear gloves and goggles when handling.
- U-CAT 3513N should not be ingested. If swallowed, it may cause nausea, vomiting, and diarrhea.
- If U-CAT 3513N comes into contact with skin, wash the area immediately with soap and water. If U-CAT 3513N 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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