

U-CAT 5050 catalyst CAS135083-57-8 Sanyo Japan

U-CAT 5050 is a phosphorus-based accelerator with excellent transparency. It is halogen-free and has mild reactivity compared to U-CAT 5003. U-CAT 5050 is an epoxy curing accelerator for anhydride curing systems and is suitable for transparent applications such as LED packages.

Physicochemical properties of U-CAT 5050

CAS No. : 135083-57-8

Molecular Formula: C₁₁H₂₁NO₃P

Molecular weight: 235.26 g/mol

Appearance: Clear colorless liquid

Density: 1.06 g/cm³

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

Flash point: 104°F (40°C)

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

Use of U-CAT 5050

U-CAT 5050 is used as an epoxy curing accelerator in an acid anhydride curing system.

Suitable for transparent applications such as LED packaging. U-CAT 5050 can be used

to improve the curing, application period and physical properties (transparency, Tg, hygroscopicity) of epoxy resins after curing.

Advantages of U-CAT 5050

- Excellent transparency
- Halogen-free
- Mild reaction
- Improve the curing property, application period and physical properties of the epoxy resin after curing

Precautions for U-CAT 5050

- U-CAT 5050 is a flammable material. It should be stored in a cool, dry place away from heat and fire sources.
- U-CAT 5050 can cause skin irritation and eye damage. Wear gloves and goggles when handling.
- U-CAT 5050 should not be ingested. If swallowed, it may cause nausea, vomiting, and diarrhea.
- If U-CAT 5050 comes into contact with skin, wash the area immediately with soap and water. If U-CAT 5050 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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