

U-CAT 5003 catalyst CAS868077-29-6 Sanyo Japan

Properties	value
CAS number	868077-29-6
Molecular Formula	C ₁₈ H ₂₂ BrN
Molecular weight	309.31 g/mole
Appearance	White to white powder
Density	1.16 g/cm ³
Melting point	120-130 °C
solubility	Dissolve in

	most organic solvents
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Physical and chemical properties

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Use

U-CAT 5003 is a quaternary phosphonium bromide catalyst used for curing epoxy resins. It is a fast curing accelerator with a good application period and excellent physical properties such as transparency, toughness and thermal stability. U-CAT 5003 is particularly suitable for transparent applications, such as LED packaging.

Pros

Fast curing

Good application period

Excellent physical properties

Suitable for transparent applications

Precautions

U-CAT 5003 is a hazardous material and should be handled with care. It is a skin and eye irritant and can cause respiratory problems. It should be stored in a cool, dry place and kept out of reach of children.

If U-CAT 5003 comes into contact with skin or eyes, wash the affected area immediately with soap and water. If inhaled, remove the person to fresh air and seek medical attention. If swallowed, do not attempt to induce vomiting. Call poison control or seek medical attention immediately.

In addition to the above, here is some additional information about U-CAT 5003:

- It is a clear liquid with a faint odor.
- It is not flammable.
- It is compatible with most epoxy resins.
- It is usually used in concentrations of 0.5-1% by weight.

U-CAT 5003 is an important tool for formulating high performance epoxy resin systems. It has fast curing, good service life and excellent physical properties. It is especially suitable for transparent applications, such as LED packaging.

Shelf life:

Remain unopened for two years

Storage and Transportation:

Should be sealed, stored in a dry cool ventilated warehouse

Packing:

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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.

Technical support and business contacts E-mail: info@newtopchem.com