

RC Catalyst 104 CAS112-05-6 Rhine Chemistry

RC Catalyst 104 is a clear, colorless to light yellow, hygroscopic liquid with a mild odor. It is a tin caprylate catalyst that is a strong catalyst for the reaction of isocyanates with water. RC Catalyst 104 is used in the production of polyurethane foams, elastomers, and coatings.

Physical and chemical properties

Properties	value
CAS number	The 112-05-6
Molecular Formula	C ₁₂ H ₂₂ O ₄ Sn
Molecular weight	329.82 g/mole
Specific gravity	1.25-1.27 g/cm ³
Boiling point	240-245 °C
Flash point	135 °C

solubility	Miscible with water, alcohol, and most organic solvents
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Application

RC Catalyst 104 is used for the production of polyurethane foams, elastomers, and coatings. It is a strong catalyst for the reaction of isocyanates with water, helping to improve the performance of the final product. RC Catalyst 104 is also used in the manufacture of some pharmaceutical and personal care products.

Pros

RC Catalyst 104 is a strong catalyst for the reaction of isocyanates with water.

It helps to improve the properties of the final product, such as strength, flexibility, and water resistance.

RC Catalyst 104 is compatible with a wide range of materials.

It is relatively inexpensive.

Precautions for use

- RC Catalyst 104 has a strong irritating effect on the skin, eyes, and respiratory system.

- It is flammable and may explode if mixed with other chemicals.
- RC Catalyst 104 should be handled carefully in a well-ventilated area.

Safety Data Sheet

The Safety Data Sheet (SDS) for RC Catalyst 104 provides more detailed information on the physical and chemical properties, hazards, and safety handling procedures of the product. The SDS can be obtained from the manufacturer or distributor.

Here are some additional precautions to take when using an RC Catalyst 104:

- Always wear gloves, goggles and a respirator when handling RC Catalyst 104.
- Do not inhale steam or fumes.
- Avoid skin and eye contact.
- Keep away from heat sources and open flames.
- Dispose properly according to local regulations.



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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