Newtop Chemical Materials (Shanghai) Co.,Ltd. Technical Indicators



NT CAT PC12 catalyst CAS10144-28-9 Newtopchem

Overview

NT CAT PC12 is a tertiary amine catalyst for the production of polyurethane foam. It is a clear, colorless liquid with a mild odor. NT CAT PC12 is a strong catalyst that can be used to produce foams with a variety of properties. It is also a low-odor catalyst, which makes it ideal for applications that require attention to odor emissions.

Physical and chemical properties

Properties	value
CAS number	10144-28-9
EINECS No	215-562-9
Molecular Formula	C12H23N3
Molecular weight	227.3 g/mole
Appearance	Clear colorless liquid

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smell	Mild
Density	0.94 g/cm ³
Boiling point	155 °C
Flash point	100 degrees Fahrenheit
Solubility	Soluble in water, alcohol, ether

Features

Strong catalyst

Low odor

Wide range of applications

Ease of use

Application

- Soft polyurethane foam
- Rigid polyurethane foam
- Elastomer

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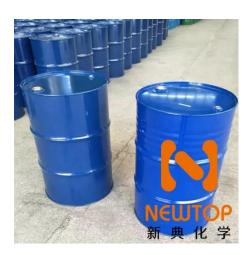
- Paint
- Adhesive

Advantages

- Strong catalyst
- Low odor
- Wide range of applications
- Ease of use

Disadvantages

- Corrosive to certain metals
- Combustible
- May be toxic by inhalation or ingestion



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Precautions for use

Wear gloves and safety goggles when handling NT CAT PC12.

Keep NT CAT PC12 away from heat and open flames.

Do not inhale NT CAT PC12 vapor.

If it comes into contact with skin, wash it immediately with soap and water.

If swallowed, do not try to induce vomiting. Call poison control immediately.

Storage

Store NT CAT PC12 in a cool, dry place. Keep the container airtight.

Dispose

Dispose of NT CAT PC12 according to local regulations.

Similarities and differences with similar products

NT CAT PC12 is similar to other tertiary amine catalysts, such as Polycat 33 and Polycat

8. However, NT CAT PC12 is a weaker catalyst than Polycat 33 and Polycat 8. This

means that foam curing takes longer when NT CAT PC12 is used. NT CAT PC12 is also

less effective at producing high-density foam. However, NT CAT PC12 is less corrosive

to metals than Polycat 33 and Polycat 8.

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Overall, NT CAT PC12 is ideal for applications that require low-odor catalysts and

do not require fast curing times.

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.

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