

Dabco DC5LE Catalyst CAS1066-33-4 Evonik Germany

Overview

Dabco DC5LE is a low-emission, delayed-action co-catalyst that strongly promotes the urethane (polyol-isocyanate) reaction. It is a clear, colourless liquid with a mild odour. Dabco DC5LE is compatible with a wide range of polyols and isocyanates. It is also compatible with water, which makes it ideal for use in applications where water-based foams are required.

Physical and chemical properties

Characteristics	Value
CAS No.	1066-33-4
Molecular formula	C ₁₂ H ₂₃ N
Appearance	Clear, colourless liquid

Scent	Gentle
Density	0.84 g/cm ³
Viscosity	5 mPa.s
Flash Point	72°C
Water soluble	Soluble
Compatibility	Compatible with a wide range of polyols and isocyanates

Features

Low emissions

Delayed action

Co-catalysts

Strong promoter of carbamate reactions

Compatible with a wide range of polyols and isocyanates

Water compatible

Applications

- Rigid polyurethane foam
- Insulation
- Automotive components
- Home Appliances
- Construction materials
- Shoes
- Sports equipment

Advantages

- Low emissions
- Delayed action
- Strong promoter of carbamate reactions
- Compatible with a wide range of polyols and isocyanates
- Water compatible

Disadvantages

- Corrosive to some metals

- Combustible
- May be toxic if inhaled



Precautions for use

- Wear gloves and goggles when handling the Dabco DC5LE.
- Keep the Dabco DC5LE away from heat and flame.
- Do not breathe vapours or fumes.
- In case of contact with the skin, wash immediately with soap and water.
- In case of accidental contact with eyes, flush with water for 15 minutes and seek immediate medical attention.
- Dispose of the Dabco DC5LE in accordance with local regulations.

Physical properties table

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Shelf life.

Keeps unopened, two years

Storage and transportation:

It should be kept in a sealed container and stored in a dry, cool and ventilated warehouse

Packaging:

200KG/Drum Storage: Storage in a dry and cool area with proper ventilation is recommended. Please fasten the lid as soon as possible after original packaging to prevent mixing of other substances such as moisture and other substances that may affect the product performance. Do not breathe dust and avoid contact with skin and mucous membranes. Do not smoke, eat or drink in the workplace. Shower and change clothes after work. Store contaminated clothing separately and wash before use. Maintain good hygiene practices.

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