

Dabco NE1070 catalyst CAS31506-43-1 Evonik Germany

Features	value
Aliases	Dabco NE1070, 1-(3-(dimethylamino) propyl) urea, urea, N-(3-(dimethylamino) propyl)-, J1.584.213J
CAS No.	43-31506-1
Molecular Formula	C ₆ H ₁₅ N ₃ O
Molecular weight	145.2028 g/mole
Appearance	Clear colorless liquid
Scent	Light
Specific Gravity	1.06
Flash Point	168 °C

Water soluble	Complete
Solubility in organic solvents	Well.
Stability	Stable under normal conditions
Hazards	Flammable and irritating to skin and eyes
Uses	For the production of polyurethane foam

Additional information

Dabco NE1070 is an emission-free amine catalyst. It reacts with a polyurethane matrix and therefore causes no emissions.

Dabco NE1070 is used in soft foam applications to meet automotive OEM emission specifications (e.g. VDA 278) and to eliminate windshield fogging or vinyl staining.

Dabco NE1070 is an alternative to Dabco 33-LV® catalysts and can also be used in hard foams.

No amine catalyst emissions, no VOC emissions, no vinyl staining, and no windshield fogging are provided.

Dabco NE1070 is used in water foamed TDI or TDI/MDI High Rebound (HR) foams as well as TDI/MDI or MDI-based cold cured molded polyurethane foams.

Dabco NE1070 is an emission-free amine catalyst. This means that it does not release any harmful emissions into the air when used. This makes it a more environmentally friendly option than traditional amine catalysts.

Dabco NE1070 is used in a variety of polyurethane foam applications, including:

- Soft foams for car seats, mattresses, and footwear
- Hard foam for insulation and construction
- Cold-set molding foam for medical devices and other applications

Dabco NE1070 offers a number of advantages over conventional amine catalysts, including:

- No harmful emissions
- Compatible with many polyols and isocyanates
- Improved foam flow
- Provides good dimensional stability



Dabco NE1070 is a safe and effective catalyst for polyurethane foam production. Be sure to follow the manufacturer's instructions when using and wear personal protective equipment (PPE) when handling.

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