

Technical Information

DABCO® CRYSTALLINE

Description

DABCO® CRYSTALLINE is high purity triethylenediamine (TEDA). It is a very strong urethane (polyol-isocyanate) catalyst that can be used in a variety of polyurethane applications.

Key performance benefits

- Strong gel catalysis
- Widely applicable

Typical properties*

Appearance	White crystalline solid
Density at 21 °C	1.14 g/cm ³
Flash point (PMCC)	62 °C
Water solubility	Partially soluble

* For actual ranges, please refer to the Certificate of Analysis (CoA) / Sales Specification.

Application

DABCO® CRYSTALLINE is used in all types of polyurethane foams including flexible slabstock, flexible molded, rigid, semi-flexible and elastomeric. It is also used in polyurethane coatings applications. DABCO® CRYSTALLINE accelerates the reactions between the isocyanate and water and the isocyanate and organic hydroxyl groups.

In flexible slabstock foam systems, DABCO® CRYSTALLINE can be used with a stannous octoate catalyst, such as DABCO® T 9. In flexible molded systems, DABCO® CRYSTALLINE can be used with a blow co-catalyst, such as DABCO® BL 11. In rigid systems, DABCO® CRYSTALLINE is frequently used with DABCO® DMEA (dimethylethanolamine). In general, DABCO® CRYSTALLINE can be used in combination with all kinds of catalysts.

DABCO® CRYSTALLINE is also available in liquid forms as DABCO® 33 LV, DABCO® EG, DABCO® 25 S and DABCO® 33 S catalysts. All these products are solutions of DABCO® CRYSTALLINE in different solvents.

Storage recommendations

- Shelf life: minimum 3 months. For exact date of expiration, please consider CoA.
- Storage conditions: dry and cool place in factory-packed containers.
- Optimum storage temperature: 10 to 30 °C.

Safety instructions

Please consult the Safety Data Sheet for summary of product hazards, personal protective measures, and emergency release procedures.

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