

Technical Information

DABCO® BL-11 Catalyst

Description

DABCO® BL-11 catalyst is a tertiary amine which has a strong influence on the urea (water – iso-cyanate) reaction in flexible and rigid polyurethane foams. It consists of 70 % bis (2-Dimethylamino-ethyl) ether diluted with 30 % dipropylene glycol.

Special properties/Highlights

- Strong amine blowing catalyst
- Improved processability across a wide range of densities and formulations

Application

DABCO® BL-11 catalyst can be used in all types of foam formulations. The strong catalytic effect on the blowing reaction can be balanced by the addition of a strong gelling catalyst. If amine emissions are a concern, low emission alternatives are available for many end use applications.

Not recommended for spray foam applications.

Typical physical properties

Appearance	light amber liquid
Viscosity at 25 °C, mPa·s*	4
Specific gravity @ 21 °C (g/cm ³)	0.9
Calculated OH number, mg KOH/g	251
Water solubility	soluble
Flash point, °C	71

*1 mPa·s = 1 cP

Recommended storage conditions

DABCO® BL-11 catalyst has a shelf life of 36 months from the date of manufacture and under the condition, that it is stored in factory-packed containers and protected against extreme weather conditions, particularly against heat and moisture. The optimum storage temperature of DABCO® BL-11 catalyst is in between 10°C and 30°C. Lower and higher storage temperatures are not preferable and should be avoided.

Information concerning

- classification and labelling according to regulations for transport of chemicals
- protective measures for storage and handling
- measures in case of accidents and fires
- toxicological and ecotoxicological effects

is given in our safety data sheets.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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