

Technical Information

DABCO® 33-LV Catalyst

Description

DABCO® 33-LV catalyst is a tertiary amine which has a strong influence on promoting the urethane (polyol-isocyanate) reaction in a variety of flexible and rigid foam as well as CASE applications. It is a mixture of 33 % triethylene diamine and 67 % dipropylene glycol.

Special properties/Highlights

- Multi-purpose amine catalyst
- Gelation catalysis
- Easy handling

Application

DABCO® 33-LV catalyst is used in the manufacture of all types of polyurethane foam. It can be used as a 3:1 replacement for DABCO® Crystalline catalyst in all foam formulations. For example, 0.3 pphp DABCO® 33-LV catalyst replaces 0.1 pphp DABCO® Crystalline catalyst.

Typical physical properties

Appearance	colorless to amber liquid
Flash point, °C (PMCC)	110
Viscosity at 25 °C, mPa·s*	125
Specific gravity @ 21 °C (g/cm ³)	1.03
Calculated OH number, mg KOH/g	560
Water solubility	soluble
*1 mPa·s = 1cP	

Recommended storage conditions

DABCO® 33-LV catalyst has a shelf life of 24 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® 33-LV 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.

Evonik Nutrition & Care GmbH

Goldschmidtstraße 100
45127 Essen, Germany
Phone: 49 201 173-2464
Fax: 49 201 173-1991

polyurethane@evonik.com
www.evonik.com/polyurethane-additives

For Technical Information, Support and Samples:

Americas: picas@evonik.com
Asia: picasia@evonik.com
EMEA: apcse@evonik.com