

Technical Information

POLYCAT® 5

Description

POLYCAT® 5 is a tertiary amine which strongly promotes the urea (water-isocyanate) reaction in a variety of rigid and flexible polyurethane foam applications.

Special properties/Highlights

- Strongly promotes urea or blowing reaction
- Industry standard blowing catalyst for rigid foams

Application

POLYCAT® 5 is very effective in MDI based pour-in-place polyurethane systems such as rigid appliance. It is also used in conjunction with a trimer catalyst in PIR laminate board stock formulations.

POLYCAT® 5 can also be used in TDI, TDI/MDI and MDI high resilience (HR) flexible molded foams, as well as for use in integral skin and microcellular systems.

Physical properties

Appearance	Colourless liquid
Viscosity (25 °C)*	3 mPas
Specific gravity (21 °C)	0.85 g/cm ³
Flash point	72 °C
Calculated OH number	0 mg KOH/g
Water solubility	Soluble

*1 mPas = 1 cP

Recommended storage conditions

POLYCAT® 5 has a shelf life of at least 36 months upon 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 POLYCAT® 5 is in between 10 °C and 30 °C. Lower and higher storage temperatures are not preferable and should be avoided.

Hazardous goods classification

Information concerning

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

is given in our safety data sheets.

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