

Technical Information

POLYCAT® 9

Description

POLYCAT® 9 is a low odor tertiary amine catalyst providing balanced promotion of the urethane and urea reactions in flexible and rigid foam applications.

Key performance benefits

- Low odor / low vapor pressure
- Balanced promotion of urethane (gel) and urea (blow) reactions
- Reduces onion skinning
- Improved odor and productivity compared to POLYCAT® 8

Typical properties*

Appearance	pale liquid
Viscosity at 25 °C	6 mPa · s
Density at 25°C	0.87 g/cm ³
Calculated OH number**	n.a.
Water solubility	Soluble

* For actual ranges, please refer to the Certificate of Analysis (CoA) / Sales Specification. | ** n.a. = not applicable

Application

POLYCAT® 9 is recommended for a broad range of polyurethane applications.

It can be used as sole catalyst or as co-catalyst in conjunction with other blow and/or gel catalysts of the Dabco and/or Polycat range to optimize reaction profile.

The major applications are insulation foams including spray, rigid bunstock, board laminate and refrigeration formulations. POLYCAT® 9 is also recommended for microcellular foams such as shoe sole formulations and as a co-catalyst in semi-flexible and flexible molded applications.

Common use levels of Polycat 9 depend strongly on the application ranging from 0.5 pphp as co-catalyst to 5 pphp in spray foam applications

Storage recommendations

- Shelf life: minimum 12 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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Operations GmbH
Rellinghauser Straße 1-11
45128 Essen, Germany
Phone: +49 201 173 3006
Email: polyurethane@evonik.com



For any further information, contact either your regional sales or technical support or visit our customer portal explorepu.evonik.com.