

# Product Data Sheet

## K-KAT<sup>®</sup> 348 Urethane Catalyst



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K-KAT 348 is a versatile bismuth carboxylate catalyst designed for blocked isocyanate and two component urethane coatings. It can provide similar properties to standard tin catalysts without the environmental drawbacks.

**ADVANTAGES:** Can be used in ambient, force dry and bake systems  
Excellent gloss retention  
Excellent exterior durability  
Good catalysis of secondary hydroxyls (see graph on page 2)

<b>TYPICAL PROPERTIES:</b>	Appearance	Clear, straw liquid
	% Metal	25
	Specific gravity, 25°C	1.24

**SOLUBILITY:** K-KAT 348 is soluble in aromatics, aliphatics and glycol ethers. It has limited solubility in esters and alcohols. K-KAT 348 is insoluble in water.

**APPLICATIONS:** K-KAT 348 is recommended for 2K and blocked isocyanate coatings. K-KAT 348 can replace many heavy metal and/or toxic catalysts used in the production of urethane elastomers, foams and coatings.

**TYPICAL USAGE LEVELS:** One component formulations based on blocked isocyanates generally require higher catalyst levels than 2-component (2K) systems. Levels of 0.5 -2.0% K-KAT 348 as supplied by weight on resin solids should be used with blocked isocyanates while 0.03 - 0.1% is recommended for 2K coatings. Refer to chart on the back of this page for more information on suggested usage levels.

**INCORPORATION:** K-KAT 348 can be added directly to a single component blocked isocyanate system or the polyol component of a 2K system. Do not pre-dilute with solvent.

**SHELF LIFE:** 24 months from the date of manufacture, when stored at ambient conditions in the original container.

**HANDLING & STORAGE:** Safe handling of this product should include the use of a respirator, safety glasses and gloves. Avoid breathing vapors - use with adequate ventilation. K-KAT 348 is sensitive to moisture; therefore, exposure to atmosphere during storage should be avoided. Product should be stored in a cool, dry environment away from sunlight and excessive heat. Consult the Material Safety Data Sheet prior to use.

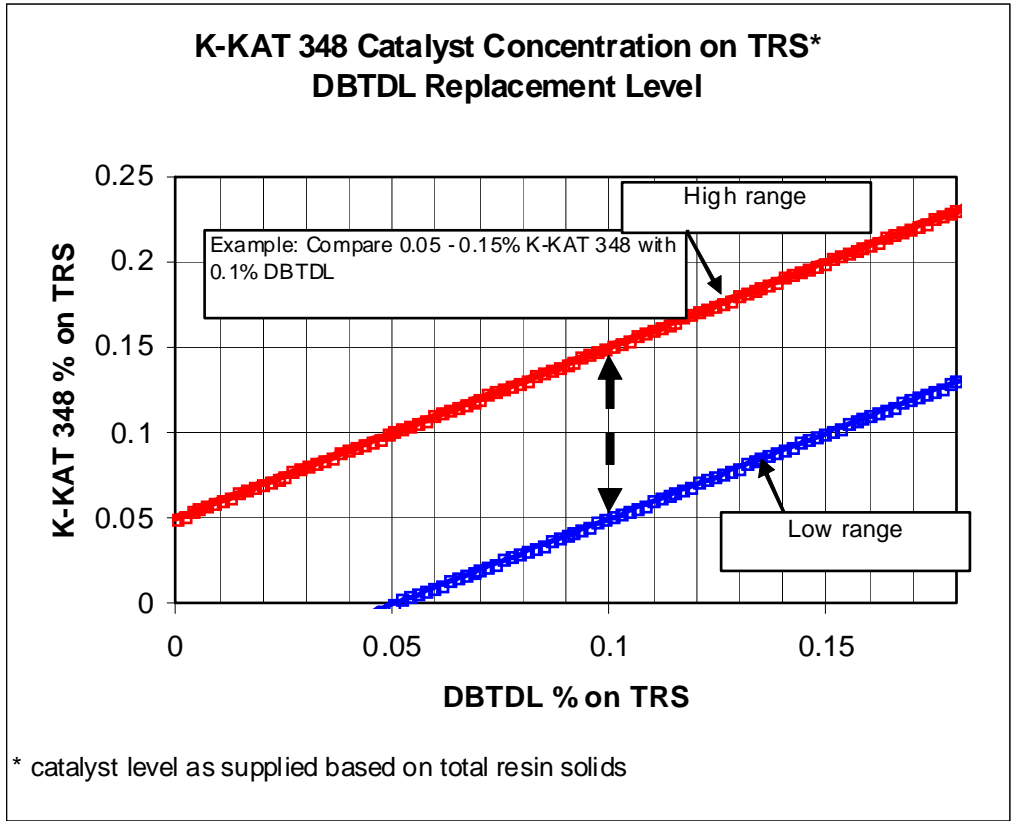
**REGULATORY:** Please refer to Section 15 of the Material Safety Data Sheet for information.

File: K-KAT 348

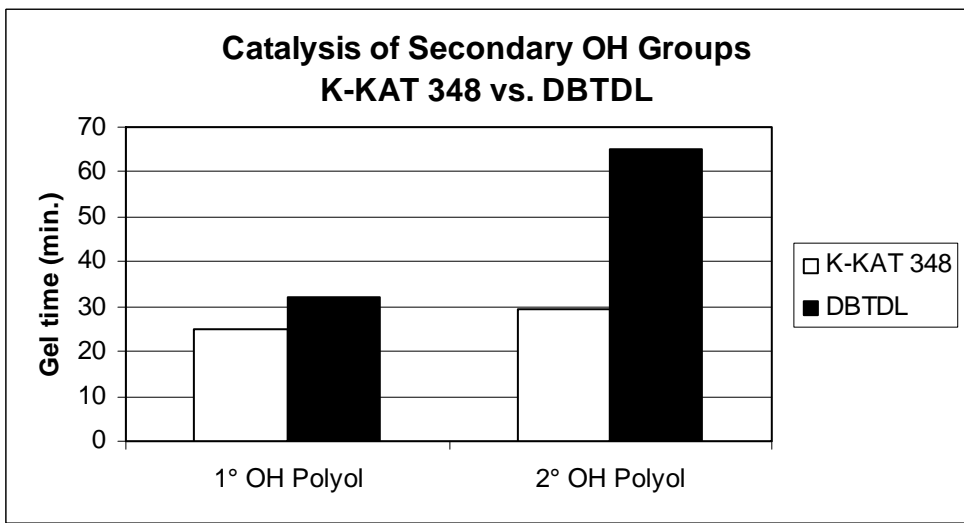
Issue Date: 11/8/2012

Supersedes: 10/21/2011

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## Improved Catalysis of Secondary Hydroxyl Groups



Based on 88/12 blend of Poly G 30-112 (eq. wt. = 500) and Poly G 30-168 (eq. wt. = 332) to produce a secondary OH polyol that is analogous to the Poly G 76-120 primary OH polyol. Formulated with Desmodur E743 at an NCO:OH ratio of 1.04.