

CUCAT-HS Polyurethane Catalyst

CUCAT-HS is an effective catalyst for the reaction of isocyanates and polyols with hydroxyl groups used in the production of cast elastomers. It is a specially formulated to be an alternative to mercury catalysts without the toxicity concerns. It can pass China and EU environmental regulations.

Typical Properties	Appearance Colour (APHA) Density (g/cm³, 25°C) Viscosity (mPa.s, 25°C)	Clear, light yellow transparent liquid ≤320 1.09 144
Solubility	Soluble in normal polyurethane raw materials (polyether polyol, plasticizer)	
Applications	CUCAT-HS is a wide applicable catalyst recommend to use in 2-component polyurethane system, provides gel times and cure properties similar to mercury catalysts. It can be used in diverse PU CASE applications. Recommend to apply in two-component sealants, binders, coatings, etc. Additionally, it will be more stable in conjunction with CUBD-WB.	
Advantage Descriptions	CUCAT-HS is formulated for non-bubble requirement in PU CASE applications using alcohol as curing agent in MDI system. The unique characteristics are following:	
	 catalyzing isocyanates and polyols w prevent the CO₂ bubbles formed. T pinhole, cracking, bulging, peeling, ca Specially formulate for alcohol cur CUCAT-HS can orderly catalyze the r groups. For MDI-alcohol curing sys PTMG or other polyhydric alcohols well as operation stability. Also, it significantly reduces the shrinkage ra Provide long pot life and high cata CUCAT-HS can provide long pot li demould time is only 10 to 15 minute at 80°C, or even at room temperature 	ne reaction of isocyanate and water, directionally with hydroxyl groups. It performs well to effectively iherefore, the cured-surface problems, including an be solved visibly. ring agent in MDI system. reaction between hydroxyl groups and isocyanate tem, CUCAT-HS is added in the component of and BDO. It performs super catalytic activity as can improve anti-scratch of the PU surfaces, ate, enhance surface gloss and dirt-resistance. Ilytic activity at later curing reaction stage fe although the curing time is quite short. The s. After then 45 to 120 minutes post-vulcanization
Typical Usage Levels	 ♦ Suggest adding in polyol component ♦ Levels of 0.1-0.5% as supplied by we 	
Handling & Storage	CUCAT-HS is sensitive to moisture. There, exposure to atmosphere should be avoided. Product should be stored in a cool, dry environment away from sunlight and excessive heat.	
Package	25kg/200kg in HDPE drum	
Shelf Life	The unopened shelf life is 12 months from the date of manufacture	

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