

CUCAT-K6

Urethane Catalyst (A substitute for organic mercury)

CUCAT-K6 is a versatile effective catalyst, recommending to both aromatic (MDI/TDI) and aliphatic (HDI/IPDI/HMDI) PU systems for CASE applications. It is a proprietary mixed organo metallic complex specially formulated to be a substitute to mercury catalysts without the toxicity (heavy metal, PAH, phthalate plasticizers) concerns. It can pass China and EU environmental regulations.

Appearance	Clear, light yellow liquid
Colour (APHA)	≪400
Density (g/cm³, 25°C)	1.062
Viscosity (mPa.s, 25°C)	900±100
Soluble in normal polyurethane raw materials (polyether polyol, plasticizer)	
CUCAT-K6 is a wide application polyurethane system, provid- to mercury catalysts. It can be aromatic and aliphatic syst venues, coatings, adhesive &	able catalyst recommend to use in 2-component es gel times and cure properties are very similar be used in diverse PU CASE applications both in ems, such as caster, rubber plate, PU sports & sealant.
dvantage CUCAT-K6 is upgrade substitute for organic mercury catalyst. The	
Descriptions unique characteristics are following:	
 Excellent target catalyzichydroxyl/amino group, isocyanates and moistur catalysts. Even in damp still performs well to Therefore, the cured-sic bulging, peeling, can be Thermal sensitive. Slow catalytic rate at earing improve flowing ability, bubbles and filling mouvery quickly at possisocyanates-polyols mix 10min (even short, dependent of the best substitute for properties, both in the concerns. 	zing to the reaction between isocyanates and without catalyzing to the reaction between ure. This is totally different with the Tin/Amine weather, ambient curing applications, CUCAT-K6 effectively prevent the CO ₂ bubbles formed. surface problems, including pinhole, cracking, solved obviously. early reaction stage can keep low viscosity and which is important for reducing mechanical lding chamber rapidly. Catalytic rate accelerates at curing stage. CUCAT-K6 can catalyze ture to attain required curing hardness within ending on usage levels). Therefore, CUCAT-K6 is r organic mercury with very similar catalytic rmo-cured and ambient-cured, and non-toxicity
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Typical Usage Levels • Suggest adding in polyol component after vacuum degassing.



To add CUCAT-K6, the polyol component temperature should be below 80°C at least.
 Levels of 0.05-0.5% as supplied by weight on total polyol volume.
 We don't suggest to add in isocyanate component. To avoid gel, please do test before adding in isocyanate componnent to make sure the storage stability.
 Handling & Storage CUCAT-K6 is sensitive to moisture. Therefore, 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
 The unopened shelf life is 12 months from the date of manufacture. After shelf

life, please do test to make sure the catalytic properties before use.

All recommendation and technical information (whether verbal, written or by way of product evaluations), including any suggested formulations contained herein is provided for information purpose only and does not constitute a legal contract as well as suitable for relating to the third party rights. The conditions of your use and application of our products, technical assistance and information are beyond our control. Therefore, no guaranty or warranty for your evaluation is made. Consequently the user assumes all risks in connection with the use and handling of this product based on our technical information and recommendations, final determination of suitability of this product is the sole responsibility of the user.