

K-PURE® CXC-1821 Blocked Acid Catalyst



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K-PURE® CXC-1821 is a quaternary ammonium blocked super acid catalyst, designed to provide similar performance to SbF_6 type catalysts, but without the antimony. CXC-1821 can catalyze the reaction of epoxy resins, ring opening of cyclic ether groups, and polymerization of monomers sensitive to cationic polymerization. CXC-1821 can also be used as a thermal acid generator in systems that require pH control at elevated temperatures.

ADVANTAGES:	Fast Cure Response with no out-gassing Good Viscosity Stability Thermal Initiation Antimony Free product	
TYPICAL PROPERTIES:	Appearance Volatiles, % Active Acid Content, %	Solid White Powder <1% 50
SOLUBILITY:	Soluble in; propyleneglycol monomethylether (PGME), Acetone, Ethyl-lactate, propylene carbonate	
	Insoluble in; Water, hydrocarbons, aromatic solvents	
APPLICATIONS:	Formulated resin systems such as conformal coatings, encapsulants, adhesives, sealants, conductives, laminates, coatings, or any system requiring a strong acid.	
TYPICAL USAGE LEVELS:	0.01 to 3.0% as supplied on total resin solids.	
INCORPORATION:	May be added directly to the formulation. Resin may need to be heated, do not heat over 50°C when incorporating CXC-1821. Caution should be taken when incorporating into low viscosity reactive diluents such as vinyl ethers or limonene diepoxides.	
	CXC-1821 can be preblended with reactive diluents or solvents to form a concentrate. This type of preparation should be used within a few days. In the long term, a shift in color of the solution may occur, which may impact the long term stability of the formulated product.	
HANDLING, STORAGE & SHELF LIFE:	Handle with extreme care and consult the SDS for safe handling. For maximum stability and prolonged shelf life, store in a sealed container at 10°C or less. Under these conditions, the product is certified for 15 months from the date of manufacture. Avoid exposure to moisture and elevated temperature. Solutions are less stable than the solid catalyst.	
REGULATORY:	Please refer to the Safety Data Sheet.	

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