

**INTRODUCTION:** NACURE Super XC-7231 is an ammonium antimony hexafluoride catalyst for thermally initiated cationic polymerization.

**ADVANTAGES:** Thermal Initiation  
Fast cure of epoxy resins  
Excellent stability, depending on concentration and type of epoxy resin used.

**TYPICAL**

**PROPERTIES:**

Appearance	Off-white powder
Melting Point, °C	>100
Nonvolatile, 60 min. 110°C, %	>95
Active content, %	100
Solvent	None

**SOLUBILITY:** Acetone, propylene carbonate, ethyl acetate Soluble  
Methanol Partially soluble  
Aromatic and aliphatic hydrocarbons Not soluble  
Water Not soluble

**COMPATIBILITY:** Compatible with cycloaliphatic epoxides, diglycidyl ether epoxides and epoxidized oils. Compatible also with polyesters, polyethers, vinyl ethers and propylene carbonate. **Caution!** Reactions with NACURE Super acids are exothermic. Caution should be taken when making high concentration pre-mixes for post addition to a formulation. The NACURE Super should be added slowly under agitation to the pre-mix solvent. For high concentration pre-mixes, propylene carbonate, acetone, citrate esters and benzyl alcohol are recommended. Use of epoxy functional and vinyl ether monomers as pre-mix diluents is not recommended.

**APPLICATION:** Cationic heat cure of inks, coatings, composites and adhesives  
Cure temperature for cycloaliphatic diepoxides and epoxidized polybutadiene approximately 80°C Cure temperature for glycidly esters, glycidyl ethers and epoxidized oils > 100°C

**USAGE LEVEL:** 0.01-3 % based on total formulation.

**HANDLING:** Handle with extreme care and consult the MSDS for safe handling.  
For maximum stability and prolonged shelf life, store in a sealed container at 4°C or less. Under these conditions, the product is certified for one year from the date of manufacture. Avoid exposure to moisture and elevated temperature.  
Solutions are less stable than the solid catalyst.  
Catalyst solutions can etch glass in the presence of moisture.

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