

Cotin[®] KR 227 Catalyst Solution

CATALYST FOR POLYURETHANE SYSTEMS

Cotin KR 227 Catalyst Solution is a diluted solution of the Cotin KR 227 organo-tin catalyst from vertellus. It is dissolved into in an inert, hydrophobic, non-volatile liquid carrier that is compatible with most polyurethane systems as well as with many RTV silicones.

This catalyst solution can be added dropwise to polyurethane or silicone systems to accelerate their reactivity and thereby shorten their gel-times, pot-lives, and cure times. In most circumstances, usage of this catalyst will not change the cured properties of the systems to which it is added.

SUGGESTED APPLICATIONS:

- Polyurethane & silicone adhesives, encapsulants, sealants & coatings

HANDLING PROPERTIES	<u>VALUE</u>	<u>TEST METHOD</u>
<u>Cotin KR 227 Catalyst Solution</u>		
Visual Appearance	Clear to light yellow liquid	
Density	0.98 g/cm ³	ASTM E-201
Viscosity, @ 25°C	80 cps	ASTM D-2393
Flash Point	>100°C	ASTM D-92
Mix Ratio (part by weight)	add dropwise to achieve desired gel-time or cure time	
Shelf-life	at least 6 months @ 25C or less	

PROCESSING AND APPLICATION INSTRUCTIONS :

Can be added to the resin system at the time of mixing or in some cases it may be possible to add to one side of the system and achieve a stable accelerated pre-mix. For polyurethane systems, do not add to the isocyanate containing component and the catalyst solution may promote reactions with moisture. Instead add to the polyol side of the system. In most formulations the Cotin KR 227 catalyst solution will be stable in the polyol side of the formulation during storage. In a few cases, the reactivity of the catalyst/polyol mixture may slowly decline. If this is the case it may be better to add the catalyst only when you are ready to use the material.

PACKAGING AVIALABLE:

This product is available in a wide range of syringes (1ml, 3ml, 5ml, 10ml, 30ml, etc.) as well as in pints, quarts, etc.

STORAGE GUIDELINES:

Store the catalyst solution in a clean, cool and dry environment in its tightly closed original containers. Protect from freezing by storing above 15°C (59°F). If freezing occurs, heat the entire container for 2- 4 hours at 60°C to re-liquefy the material. Do not use if the material does not return to a clear liquid after heating. Also protect from exposure to extended moisture or high humidity. Tightly re-seal containers after

Product Datasheet



use and store in moisture proof bags or containers. If the recommended storage conditions are observed the products will have a minimum shelf-life of 6 months from the date of shipment.

HANDLING PRECAUTIONS:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

PERSONAL HYGIENE:

Cotin KR 227 Catalyst Solution

WARNING! May be corrosive to eye & skin. Toxic if swallowed. May release toxic tin vapors if burned. Prolonged or repeated skin contact or inhalation of vapors may cause allergic skin or respiratory reactions. Harmful if inhaled or swallowed. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

FIRST AID

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

IMPORTANT: The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

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