

Catacure KC

Catalyst

GENERAL INFORMATION

Catacure KC is a blocked curing catalyst used in baking paints especially for fully alkylated melamines which need strong catalyst. It can either lower baking temperature or shorten baking time.

CHEMICAL & PHYSICAL PROPERTIES

Composition	amine salt of p-toluene sulfonic acid
Appearance	colorless to slight yellow or slight brown liquid
Non-volatile content	23 - 25 %
Solvent	propylene glycol monomethyl ether / propylene glycol
Specific gravity	ca. 1.02
Refractive index	1.436 - 1.446 (25 °C)

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Solvent based and waterborne acrylic / HMMM
- Polyester / HMMM baking paints

KEY PROPERTIES

- In general, baking paint based on fully alkylated melamine formaldehyde resin, needs higher baking temperature to ensure fully cross-linking. If lower temperature is expected or limited, a strong acid catalyst is required to promote reactions. **Catacure KC** is an additive used for this purpose.
- When added in baking paint, **Catacure KC**, compared to unblocked P-TSA, shows better storage stability, lower viscosity, less gelation tendency.
- **Catacure KC** exhibits lower deblocking temperature (130 - 150 °C), i.e., lower baking

temperature compared to other amine salts of P-TSA.

- **Catacure KC** shows better over-baking yellowing resistance than other amine salt.

INCORPORATION

The reactivity of each backbone and amino resin combination is different, please check optimum dosage according to baking conditions.

Before used need test coating's stability.

LEVELS OF USE

1 - 4 % based on total formulation.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

Stored between 0 °C to 40 °C.

Packaging not to be exposed directly under heat radiation.

SHELF LIFE

Catacure KC has a shelf life of 18 months from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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North America

Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe

Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Asia

Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563