

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.

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)

APPLICATIONS

- solvent based and aqueous 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.

HANDLING AND SAFETY

- The product requires special care in handling.
- Avoid any eye and skin contact.
- For further information please check MSDS.

STORAGE RECOMMENDATIONS

- Keep away from sources of ignition and heat.
- Keep 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.

PACKAGING

Net Weight: 200 kg / 25 kg

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B02 Dec-10

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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