

TYPE

Amine neutralized p-toluene sulfonic acid

FORM OF DELIVERY (f.o.d.)

Active substance
approx. 50%

PRODUCT DATA

Determined per batch:

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	48 - 52
analogue DIN EN ISO 3251 (1 h; 120 °C; 2 g)		

Not continually determined:

Colour / Appearance VLN 250

colour	pale yellow
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pH-Value DIN ISO 976

pH-value	1,5
approx. (10 %)	

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm³]	0,95
approx. (20 °C)		

Flash Point DIN EN ISO 1523

flash point	[°C]	9
approx.		

SPECIAL PROPERTIES AND USE

CYCAT® VXK 6364 is a catalyst which is suitable to accelerate the cure of fully alkylated melamine formaldehyde resins. Post curing of films containing CYCAT® VXK 6364 can occur. Recommended levels of CYCAT® VXK 6364, calculated on melamine resin (solid), are 1 - 7 %.

PROCESSING

CYCAT® VXK 6364 is usable in solvent and waterborne thermosetting vehicles.

Coil coating

CYCAT® VXK 6364 is especially suitable for the cure of melamine resins which are used as crosslinkers for polyesters. Recommended level for curing condition: 220 °C, < 50 s (approx. 30 s PMT) is 2.5 - 6.0% CYCAT® VXK 6364, based on melamine resin solids.

Can coatings

CYCAT® VXK 6364 is only suitable for outside application (base- and clear coats). It is not in compliance with FDA 21 CFR175.300 and German recommendation BgVV No. XL.

Clear coats

For acrylic/melamine varnishes (ratio = 70 : 30 to 60 : 40), which are baked at 130 - 150 °C for 15 - 20 min, 3.0 - 4.0% of catalyst solution based on total resin solid is required.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.