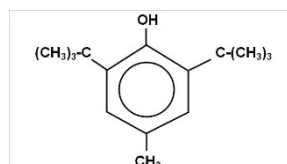


CUROX® BC 500

Di-tert.butyl p-cresol
CAS#128-37-0
40 % Solution in Xylene

Structural Formula



Description

Yellowish, mobile liquid, consisting of approx. 40% w/w 2,6-di-tert.butyl p-cresol, otherwise called 3,5-di-tert.butyl 4-hydroxy toluene (BHT), diluted with xylene. This product is an efficient anti-oxidant for many organic materials and is also used as an inhibitor in curing unsaturated resins.

Technical Data

Appearance	Yellowish, mobile liquid
Content of di-t-butyl p-cresol	Approx. 40 %
De-sensitising agent	Xylene
Density at 20°C	Approx. 0.89 g/cm ³
Viscosity at 20°C	Approx. 1.3 mPa.s
Refractive index at 20°C	Approx. 1.495
Flash point (SETA)	Approx. 25°C
Miscibility	Miscible with UP resin, styrene etc., immiscible with water
Recommended storage temperature	10-30°C
Storage stability as from date of delivery	12 months

Application

The product inhibits peroxide-containing resin formulations with or without accelerator. Very effective in combination with usual hot curing agents, not so efficient with ketone peroxides. Gelation begins after the inhibitor has been completely consumed or when the temperature has been sufficiently increased. The resulting degree of cure is not impaired. Usage level: 0.1 - 0.3% as supplied and 1-3% peroxide. Suitable in particular for prolongation of shelf life - i.e. weeks or months at ambient temperature - essential for SMC and BMC or insulating varnishes. 5-10 fold "shelf life" (geltime of resin + peroxide) is possible or 2-5 fold "pot life" (geltime of resin + peroxide + accelerator), depending on type of resin and peroxide. However, there is almost no delay in the curing performance above the "kick off" temperature of the peroxide in question.

Standard Packaging

Standard Packaging for the CUROX®BC-500 is 25 Kg.

Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make any changes according to technological progress or further developments.

Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.

United Initiators

EU

T: +49 89 74422 237
F: +49 89 74422 6237
cs-initiators.eu@united-in.com

United Initiators

Nafta

T: +1 800 231 2702
F: +1 440 323 0898
cs-initiators.nafta@united-in.com

United Initiators

China

T: +86 20 6131 1370
F: +86 139 2503 8952
cs-initiators.cn@united-in.com

United Initiators

Australia

T: +61 2 9316 0046
F: +61 2 9316 0034
cs-initiators.au@united-in.com

www.united-initiators.com

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