Technical Data Sheet

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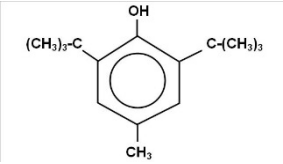
CUROX®BC 530

Di-tert.butyl p-cresol
CAS#128-37-0
30 % Solution in styrene

Structural Formula



Description

Yellowish, mobile liquid, consisting of approx. 30% w/w 2,6-di-tert.butyl p-cresol, otherwise called 3,5-di-tert.butyl 4-hydroxy toluene (BHT), diluted with styrene. This product is an efficient anti-oxidant for many organic materials and is also used as an inhibitor in curing unsaturated resins.

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Appearance	Yellowish, mobile liquid
Content of di-t-butyl p-cresol	Approx. 30 %
De-sensitising agent	Styrene
Density at 20°C	Approx. 0.91 g/cm^3
Viscosity at 20°C	Approx. 1.2 mPa.s
Refractive index at 20°C	Approx. 1.535
Flash point (SETA)	Approx. 32°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. Styrene as solvent takes part in the crosslinking reaction and thus does not contribute to TOC-emission.

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Standard Packaging

Standard Packaging for the CUROX®BC-530 is 25 Kg.

Disclaimer

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