Technical Data Sheet

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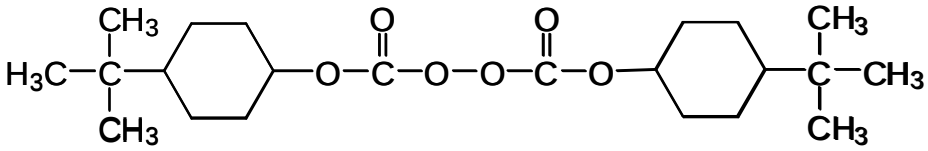
BCHPC-75-W

Di(4-tert.butylcyclohexyl)peroxydicarbonate
CAS#15520-11-3
75% powder, water damped
Molar mass: 398.5 g/mol

Structural Formula



Description

White, free-flowing powder, consisting of technically pure Bis(4-tert.butylcyclohexyl) peroxydicarbonate, de-sensitised with water. This cyclo-aliphatic peroxydicarbonate is used as an initiator (radical source) in the polymerisation of monomers, e.g. vinyl chloride.

Technical Data

Appearance	white, free-flowing powder
Peroxide content	approx. 75 % w/w
Active oxygen	approx. 3.01 % w/w
De-sensitising agent	water
Bulk density	approx. 0.54 kg/l
Melting point (dried)	approx. 82 °C
Critical temperature (SADT)	approx. 45 °C
Recommended storage temperature	5 to 20 °C
Maximum transport temperature	30 °C
Storage stability (activity) as from date of delivery	6 months

This product is in compliance with the ElektroG (E U-Directives: RoHS 2002/95/EG, WEEE 2002/96/EG)

Half-life-time

10 h/1 h/1 min (0.1 m/benzene): 41/57/90 °C

Application

VINYLCHLORIDE:
Polymerisation of vinyl chloride in mass or suspension. Temperature range: 45-60°C. Dosage: 0.02-0.1% as supplied. We recommend a combination with thermally more stable peroxides, e.g. Dilauroyl peroxide (LP). A well-balanced combination produces an almost constant rate of polymerisation throughout the reaction period.
Advantage: The water-damped powder enables almost dust-free handling

(pouring, dosing).

Further information on suitable initiators for the polymerisation of monomers is given in our application brochures on this subject.

Measurements

Standard Packaging 20kg (44,1 lb), plastic bag in cardboard box

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