Technical Data Sheet

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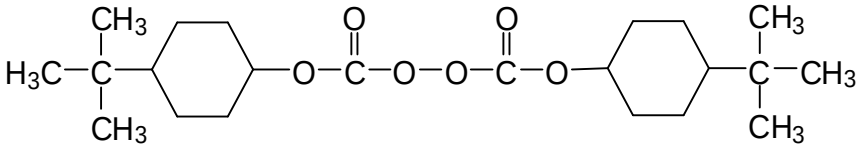
BCHPC-40-SAQ1

Bis(4-tert.butylcyclohexyl)-peroxydicarbonate
CAS#15520-11-3
40 % Suspension, aqueousPowder, technically pure

Structural Formula



Description

Milk-white aqeous suspension, consisting of ca. 40 % Di(4-tert.butylcyclohexyl)-peroxydicarbonate. This cycloaliphatic peroxydicarbonate is used as an initiator (radical source) in the polymerization of monomers, e.g. vinyl chloride in suspension.

Technical Data

Appearance	Milk-white suspension
Peroxide content	ca. 40.0 % w/w
Active oxygen	ca. 1.61 % w/w
De-sensitising agent	Water
Dispersion agent (variable type)	Below 1 %
Emulsifier (variable type)	0-0.5 %
Viscosity at 20°C	<200 mPa.s
Critical temperature (SADT)	ca. 40 °C
Cold storage temperature	Crystal formation below 0°C
Recommended storage temperature	5 to 20 °C
Maximum storage temperature	30°C
Maintenance of activity as from date of delivery	3 months

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

Half-life Data

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

Application

VINYLCHLORIDE:
Initiator for the polymerisation of vinylchloride in suspension. Temperature range: 45-60°C. Usage level: 0.08-0.4 % as supplied. Liquid alternative to Di(4-tert.butylcyclohexyl)-peroxydicarbonate (BCHPC) technically pure. BCHPC-40-SAQ1 is especially suitable for the manufacture of micro-S-PVC. On request the product is available in electrical grade quality.

We recommend the combination with thermally more stable peroxides, e.g. Dilauroyl- peroxide (LP). Thus, a high and constant rate of polymerization can be achieved.

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

Packaging

The standard packaging of BCHPC-40-SAQ1 is 25 kg.

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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