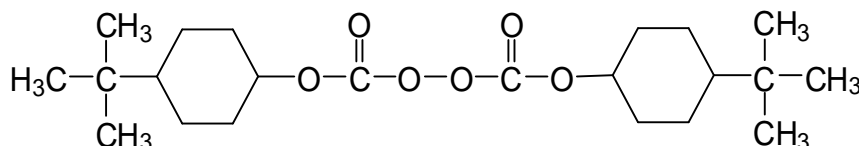


BCHPC-40-SAQ1

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

Structural Formula



Description

Milk-white aqueous 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 monomers is given in our application brochures on this subject.

Packaging

The standard packaging of BCHPC-40-SAQ1 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.

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