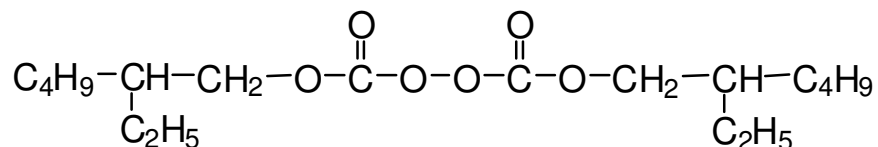


EHPC-50-ENF1

Di-2-ethylhexylperoxydicarbonate
CAS#166111-62-9
50%, non freezing emulsion
Molar mass: 346.5 g/mol

Structural Formula



Description

Milky white emulsion, consisting of ca. 50% w/w Di-2-ethylhexyl peroxydicarbonate, de-sensitised with water. This branched, aliphatic peroxydicarbonate is used as an initiator (radical source) in the polymerisation of monomers, mainly vinyl chloride (VCM).

This product is also offered in IBC.

Technical Data

Appearance	white emulsion
Peroxide content	approx. 50 % w/w
Active oxygen	approx. 2.31 % w/w
De-sensitising agent	water / ethanol
Density at 20 °C	approx. 0.98 g/cm ³
Viscosity at 20 °C	approx. 300 mPas
Critical temperature (SADT)	approx. 5 °C
Cold storage stability	to -20 °C
Recommended storage temperature	below -15 °C
Maximum transport temperature	-15 °C
Storage stability (activity) as from date of delivery	3 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:

Initiator for the polymerisation of VCM in suspension and micro-suspension.

Temperature range: 45-60°C. Usage level: 0.05-0.2% as supplied.

Advantages: liquid, therefore easy to dose, high activity.

A constant rate of polymerisation can be achieved in combination with other, thermally more stable peroxides, e.g. Dilauroylperoxide (CUROX LP-S).

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

Standard Packaging

1100kg in stainless steel IBC

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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