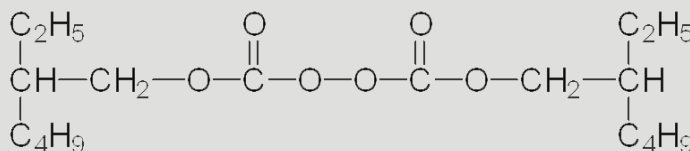


**EHPC-S**

Technical Data Sheet - Polymerisation Peroxydicarbonates



Chemical Name	Di-2-ethylhexyl peroxydicarbonate
CAS-No.	16111-62-9
Molar Mass	346.5 g/mol
Properties	Liquid, technically pure, stabilized

Description

Colourless, mobile liquid, consisting of technically pure stabilized di-2-ethylhexyl-peroxydicarbonate. This branched, aliphatic peroxydicarbonate is used as an initiator (radical source) for the polymerisation of monomers, e.g. vinyl chloride.

Technical Data

Property	Value(ca.) Unit
Appearance	colourless liquid
Peroxide content	ca. 98 % w/w
Active oxygen	ca. 4.53 % w/w
De-sensitising agent	none
Density at 0°C	ca. 1.00 g/cm ³
Refractive index at 15°C	ca. 1.440
Half life time: 10h/1 h/1 min (0.1 m / benzene)	41/57/90 °C
Critical temperature (SADT)	ca. 10 °C
Cold storage stability	to below -25 °C
Recommended storage temperature	below -15 °C
Maximum transport temperature	-10 °C
Storage stability as from date of delivery	3 months



EHPC-S

Technical Data Sheet - Polymerisation Peroxydicarbonates

Further Data

Application

VINYLCHLORIDE:

Initiator for polymerisation in bulk or suspension. Temperature range: 45-60°C. Dosage level: 0.02-0.1% as supplied. Advantages: liquid, i.e. easy to dose, high activity. A constant rate of polymerisation can be achieved in combination with other, thermally more stable peroxides, e.g. Dilauroylperoxide (LP).

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

This information and all further technical advice – whether verbal, in writing, by way of trials - 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.