

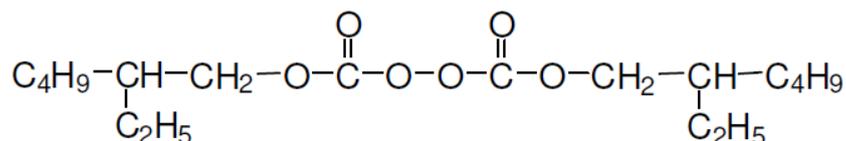
# Technical Data Sheet (TDS)

EHPC-75-AL  
Polymerisations (PO)

## EHPC-75-AL

Di-2-ethylhexyl peroxydicarbonate  
CAS#16111-62-9  
Colourless liquid

### Structural Formula



### Description

Colourless liquid consisting of ca. 75 % Di-2-ethylhexyl peroxydicarbonate, desensitised with aliphatic hydrocarbons. This branched, aliphatic peroxydicarbonate is used as a radical initiator for the polymerisation of monomers, mainly vinyl chloride (VCM).

### Technical Data

Appearance	colourless liquid
Desensitising agent	aliphatic hydrocarbons
Assay	ca. 75 % w/w
Active oxygen (AO)	ca. 3.47 % w/w
Density at 20 °C	ca. 0.90 g/cm <sup>3</sup>
Viscosity at 20 °C	ca. 6.4 mPa.s
Critical temperature (SADT)	ca. 5 °C
Cold storage stability	ca. -25 °C
Recommended storage temperature	-20 °C
Maximum transport temperature	-20 °C
Storage stability as from date of delivery	3 months

### Standard Packaging

25 kg in HDPE canister

### Half-life Data

10 h / 1 h / 1 min (benzene, 0.1 mol/L)    41 °C / 57 °C / 90 °C

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## Application

### VINYLCHLORIDE

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

Temperature range: 45 - 60 °C

Usage level: 0.02 - 0.1 %

Advantages: liquid, therefore easy to dose and a high activity

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

### ETHYLENE

Initiator for the high-pressure polymerisation of ethylene in combination with thermally more stable peroxides (e.g. Dilauroylperoxide).

Temperature range: 120 - 180 °C

Particular advantages: highly efficient, liquid, readily miscible with high boiling aliphatics.

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

## Decomposition Products

Possible detectable decomposition products: carbon dioxide, 2-Ethylhexanol

## Storage

Avoid any source of heat, light, humidity and protect the product from impurities. Keep within save temperature limits.

## Disclaimer:

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