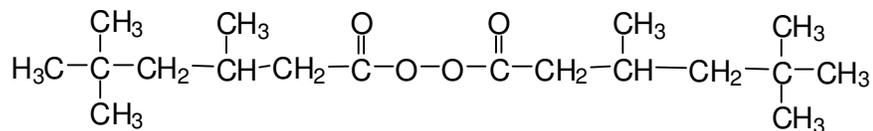


INP-75-AL

Di(3.5.5-trimethyl-hexanoyl)peroxide
CAS#3851-87-4
75%, solution in aliphatics
Molar mass: 314.5 g/mol

Structural Formula



Description

Colourless, mobile liquid, consisting of 75% w/w Di(3.5.5-trimethyl-hexanoyl)peroxide, de-sensitised with high-boiling aliphatic hydrocarbons. This branched aliphatic diacyl peroxide is used as an initiator (radical source) in the polymerisation of monomers, e.g. ethylene.

Technical Data

Appearance	colourless liquid
Peroxide content	approx. 75% w/w
Active oxygen	approx. 3.81 % w/w
De-sensitising agent	liphatics (b.p. >170 °C)
Density at 20 °C	approx. 0.87 g/cm ³
Viscosity at 20 °C	approx. 7 mPas
Refractive index at 20 °C	approx. 1.436
Critical temperature (SADT)	approx. 20 °C
Cold storage stability	liquid to below -10 °C
Recommended storage temperature	-10 to 0 °C
Maximum transport temperature	0 °C
Storage stability (activity) as from date of delivery	6 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): 59/78/120 °C

Application

ETHYLENE:

Initiator for the high-pressure polymerisation of ethylene in combination with other peroxides of different activity.

Temperature range: 140-200°C.

Particular advantage: in contrast to some other diacyl peroxides, such as Dilauroyl peroxide (LP), INP-75-AL is a liquid and thus easy to dose. Easy miscible with high-boiling aliphatic hydrocarbons and therefore easy to dose.

OTHER MONOMERS:

Initiator for vinyl and acrylic monomers.

Temperature range: 50-70 °C.

Usage level: 0.1-0.3% as supplied.

The activity of INP-75-AL corresponds to Dilauroyl peroxide (LP), but in liquid form. Recommended for use in combination with highly active peroxides, in order to increase polymerisation rate.

Standard Packaging

25kg in HDPE canisters

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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