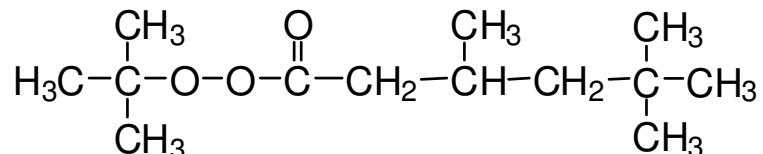


TBPIN-30-AL

tert.Butylperoxy-3,5,5-trimethylhexanoate
CAS#13122-18-4
30%, solution in aliphatics
Molar mass: 230.3 g/mol

Structural Formula



Description

Colourless, mobile liquid, consisting of approx. 30% tert.Butylperoxy-3,5,5-trimethylhexanoate, desensitized with high-boiling aliphatic hydrocarbons. This branched, aliphatic perester is used as an initiator (radical source) in the polymerisation of monomers, particularly ethylene. This product is offered in IBC and bulk packaging.

Technical Data

Appearance	colourless liquid
Peroxide content	approx. 30 % w/w
Active oxygen	approx. 2.09 % w/w
De-sensitising agent	Isododecane
Density at 20 °C	approx. 0.79 g/cm ³
Viscosity at 20 °C	approx. 1.7 mPas
Refractive index at 20 °C	approx. 1.423
Critical temperature (SADT) in drums/IBC/Bulk	70 °C/60 °C/45 °C
Cold storage stability	liquid to below -25 °C
Recommended storage temperature	below 20 °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): 100/119/160 °C

Application

ETHYLENE:

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

Temperature range: 150-240 °C.

Particular advantages: highly efficient, approved to be transported in temperature controlled (max. 35 °C) bulk containers (approx. 20m³).

Standard Packaging

740kg plastics IBC
920kg stainless steel IBC
13to bulk container

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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