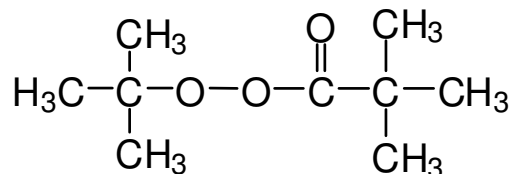


TBPPI-25-AL

tert. Butylperpivalate
CAS#927-07-1
Molar mass: 174.2 g/mol
25%, solution in aliphatics

Structural Formula



Description

Colourless, mobile liquid, consisting of 25% tert. Butylperpivalate, de-sensitized 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. 25 % w/w
Active oxygen	approx. 2.30 % w/w
De-sensitising agent	aliphatic
Density at 20 °C	approx. 0.78 g/cm ³
Viscosity at 20 °C	approx. 2 mPa·s
Refractive index at 20 °C	approx. 1.42
Critical temperature (SADT)	approx. 20 °C
Cold storage stability	liquid to below -20 °C
Recommended storage temperature	below -5 °C
Maximum transport temperature	-5 °C
Storage stability (activity) as from date of delivery	3 months

This product is in compliance with the Elektro G
(EU-Directives: RoHS 2002/95/E G, WEEE 2002/96/E G)

Half-life Data

10 h / 1 h / 1 min (0.1 m/benzene): 56 / 74 / 110 °C

Application

ETHYLENE:

Initiator for the high pressure polymerisation of ethylene in combination with other peroxides of varying degrees of activity.

Temperature range: 130-190°C.

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

Transport: approved to be transported in intermediate bulk container (IBC, 1-1,25m³) and temperature controlled bulk tank containers (BTC, 19m³).

Standard Packaging

730kg plastics IBC
910kg 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.

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