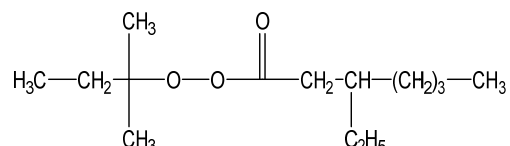


TAPEHC

tert.amylperoxy-(2-ethylhexyl)carbonate
CAS#70833-40-8
liquid, technically pure
molar mass: 260.4 g/mol

Structural Formula



Description

Colourless, mobile liquid, consisting of technically pure tert.Amylperoxy-(2-ethylhexyl) carbonate. This thermally stable mono percarbonate is used as an initiator (radical source) in the polymerisation of monomers (SM), curing of unsaturated polyesters (UP) and the crosslinking of polymers (EVA).

Technical Data

Appearance	colourless
Peroxide content	approx. 98% w/w
Active oxygen	approx. 6.14% w/w
De-sensitising agent	none
Density at 20 °C	approx. 0.92g/cm ³
Hazen	max. 30 Hz
Viscosity at 20 °C	approx. 6,6 mPa.s
Critical temperature (SADT)	> 50 °C
Cold storage stability	liquid to below -30 °C
Recommended storage temperature	below 25 °C
Storage stability as from date of delivery (assay)	6 months

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

Half-life-time

10h/1h/1min (0.1m/isododecane): 95/113/150 °C

Application

STYRENE:

An initiator for the polymerization of styrene (SM) in bulk or suspension. It is often applied in combination with Dibenzoylperoxide (BPO) in suspension or tert.Butylperoxy-2-ethylhexanoate (TBPEH) in bulk polymerisation.

Temperature range: 100 – 140°C.

Usage levels: 0.02 – 0.1 % as supplied.
Advantage: significant reduction of residual monomer content in the polymer,
no aromatic decomposition products

Standard Packaging 25 kg (55,12 lb) in Polyethylene cans

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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