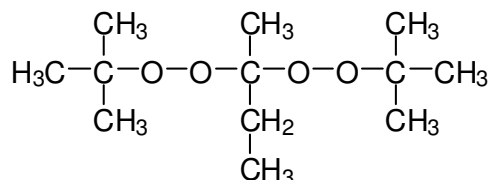


BU-50-AL

2,2-Di(tert.butylperoxy)butane
CAS# 2167-23-9
Liquid, 50%, solution in aliphatics

Structural Formula



Description

Colourless, mobile liquid, consisting of 50% 2,2-Di(tert.butylperoxy)butane, desensitized with aliphatics (Isododecane).

This aliphatic perketal is used as an initiator for the (co-)polymerisation of styrene, ethylene, vinylacetate, methacrylates and others.

Technical Data

Appearance	colourless liquid
Peroxide content	ca. 50 % w/w
Active oxygen	ca. 6.83 % w/w
De-sensitising agent	isododecane
Density at 20 °C	ca. 0.81 g/cm ³
Viscosity at 20 °C	ca. 2 mPa.s
Refractive index at 20 °C	ca. 1.416
Critical temperature (SADT)	ca. 70 °C
Cold storage stability	liquid until -15 °C
Recommended storage temperature	max. 30 °C
Storage stability as from date of delivery	6 months

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

Half-life Data

10h/1h/1min (0.1 m / isododecane): 104 °C / 124 °C / 165 °C

Packaging

Standard packaging: 25 kg per canister (HDPE), 400kg per pallet

Applications

ETHYLENE

High pressure polymerisation in combination with other peroxides with varying degrees of activity. Temperature range: 200-250 °C.

Advantages: Liquid even at low temperatures and high pressure, very efficient.

STYRENE

(Co-)polymerisation in bulk or suspension. Temperature range: 100-140 °C.

Dosage level: 0.02-0.1% as supplied.

Advantages: reduction of residual monomer contents, no reaction with chain modifiers, no hydrolysis in alkane media.

Recommended to be used in combination with more active peroxides, such as TBPEH.

OTHERS

Initiator for the polymerisation of vinylacetate, acrylates and methacrylates.

Temperature range: 100-140 °C. Dosage level: 0.05-0.1% as supplied.

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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