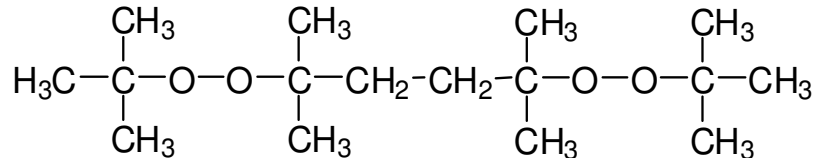


## KMC DHBP

2,5-Dimethyl-2,5-di (tert .butylperoxy) hexane  
 CAS#78-63-7  
 Liquid, techn. pure  
 Molar mass: 290.4 g/mol

### Structural Formula



### Description

Colourless, mobile liquid, consisting of technically pure 2,5-Dimethyl 2,5-di(tert .butyl peroxy) hexane .This bifunctional dialkyl peroxide is used as an initiator (radical source) in the crosslinking of polymers, and the rheology control of polypropylene.

### Technical Data

Appearance	colourless liquid
Purity (GC)	approx. 94% w/w
Active oxygen (calculated)	approx. 10.4% w/w
De-sensitising agent	none
Density at 20 °C	approx. 0.87 g/cm <sup>3</sup>
Viscosity at 20 °C	approx. 7 mPa.s
Refractive index at 20 °C	approx. 1.422
Colour index (Hazen)	approx. 50-80
Miscibility	not miscible with water, miscible with alcohols, esters
Vapour pressure at 50/80/110 °C	8/27/95 mbar
Critical temperature (SADT)	approx. 90 °C
Cold storage stability	freezing point below 10 °C
Recommended storage temperature	10 to 40 °C
Storage stability as from date of delivery	12 months

### Application

#### CR-POLYPROPYLEN:

A radical source to control the rheology of polypropylene.

Temperature range: 200-220 °C

Usage level: 0 .01-0 .1% w/w of product as supplied, based on polymer .

This degradation, e .g .in an extruder, lowers the molecular weight mean and permits easier (re)processing of the polypropylene .The melt-flow index of the controlled rheology material increases with the peroxide level.

Further information on organic peroxides for polymerisation can be found in our technical brochures on this subject.

### Standard Packaging

25kg in HDPE canister