

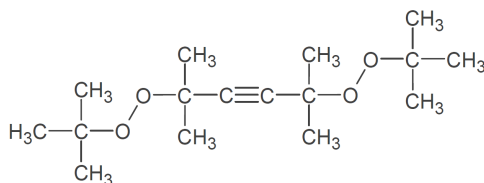
PEROXAN HXY-85 W

Dialkyl peroxide / Polymerization

Description

2,5-Dimethyl-2,5-di(tert.-butylperoxy)hexyne-3
85%, Solution in white oil

PEROXAN HXY-85 W is used for the (co)polymerization of ethylene, styrene, acrylates and methacrylates.



Molecular weight: **286.4**
CAS No.: **1068-27-5**

Technical data

Appearance: **clear liquid**
Peroxide assay: **appx. 85%**
Active oxygen assay: **appx. 9.5%**
Density at 20°C: **0.88 g/cm³**

Half life time

in chlorobenzene:

t _{1/2}	10h	1h	1min
bei	120°C	141°C	184°C

Storage

Maximum storage temperature (Ts max): **30°C**
Minimum storage temperature (Ts min): **10°C** to prevent freezing
Storage stability as from date of delivery: **6 months**

Hazardous reactions

Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase separation, is known to occur below this temperature.

Safety characteristics

SADT: **80°C**

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

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Application

Polymerization of styrene:

PEROXAN HXY-85 W may be used in polymerization and copolymerization of styrene. In a mass process PEROXAN HXY-85 W can be used to increase polymerization rates.

Temperature range: 95 to 185°C

Dosing: 0,02 to 0,1 phr

Packaging

25kg container

Major decomposition products

2,5-Dimethyl-2,5-di(hydroxy)hexyne-3, Acetone, Methane, tert-Butanol

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN HXY-85 W. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at www.pergan.com or through contacting Pergan directly.

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