

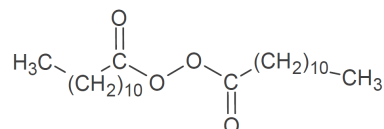
PEROXAN LP

Diacyl peroxides / Polymerization

Description

Dilauroyl peroxide
98%, Flakes

PEROXAN LP is used for the (co)polymerization of vinylchloride, vinylidenechloride, acrylates and methacrylates.



Molecular weight:

398.6

CAS No.:

105-74-8

Technical data

Appearance:

White flakes

Peroxide assay:

min. 99%

Active oxygen assay:

min. 3.97%

Bulk density at 20°C:

400 kg/m³

Half life time

in chlorobenzene:

t _{1/2}	10h	1h	1min
bei	61°C	79°C	117°C

Storage

Maximum storage temperature (Ts max):

30°C

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:

50°C

Emergency temperature:

45°C

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

The emergency temperature is derived from the SADT. It is the temperature at which emergency actions have to be taken. The control temperature is the maximum temperature at which the product can be transported safely.

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Application

Polymerization of vinylchloride:
PEROXAN LP may be used in suspension polymerization of vinylchloride.

Temperature range: 50 to 70°C
Dosing: 0,1 to 0,3 phr

Polymerization of acrylates and methacrylates:
PEROXAN LP can be used as initiator for the polymerization of acrylates and methacrylates as a replacement for 2,2'-Azobis(isobutyronitril) (PEROXAN AZDN).

Temperature range: 60 to 90°C
Dosing: 0,1 to 0,3 phr

Other applications:
PEROXAN LP may also be used for the polymerization of vinylidenchloride.

Packaging

25kg cardboard box

Major decomposition products

Docosane, Carbon dioxide, Undecane, Undecyl dodecanoate

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN LP. 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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