

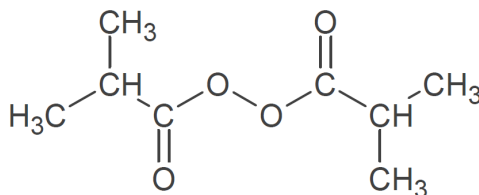
PEROXAN DI-30

Diacyl peroxides / Polymerization

Description

Diisobutyl peroxide
30%, Solution in odorless white spirits

PEROXAN DI-30 is used for the polymerization of vinylchloride.



Molecular weight: **174.2**
CAS No.: **3437-84-1**

Technical data

Appearance: **clear liquid**
Peroxide assay: **appx. 30%**
Active oxygen assay: **appx. 2.76%**
Density at -20°C: **0.85 g/cm³**

Half life time

in chlorobenzene:

t _½	10h	1h	1min
bei	23°C	39°C	73°C

Storage

Maximum storage temperature (Ts max): **-20°C**
Storage stability as from date of delivery: **3 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: **0°C**
Emergency temperature: **-10°C**
Control temperature: **-20°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 DI-30 may be used in low temperature polymerization of vinylchloride to produce high K-value PVC.

Temperature range: 30 to 50°C

Dosing: 0,05 to 0,15 phr

Packaging

25kg container

Major decomposition products

Carbon dioxide, propane, Propene

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN DI-30. 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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