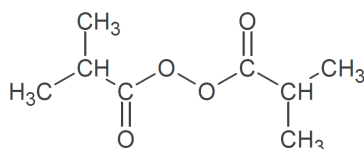


# PEROXAN DI-30

## Diacyl peroxides / Polymerization

### Description

Diisobutyryl 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/cm<sup>3</sup>**

### Half life time

in chlorobenzene:

t <sub>1/2</sub>	10h	1h	1min
bei	<b>23°C</b>	<b>39°C</b>	<b>73°C</b>

### 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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## Diacyl peroxides / Polymerization

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<b>Application</b>	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
<b>Packaging</b>	<b>25kg container</b>
<b>Major decomposition products</b>	<b>Carbon dioxide, propane, Propene</b>
<b>Safety and handling</b>	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 <a href="http://www.pergan.com">www.pergan.com</a> or through contacting Pergan directly.

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