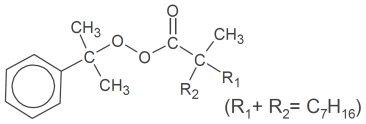
PEROXAN CND-50 WN-A

Peroxyester / Polymerization

Description

Cumyl peroxyneodecanoate
50%, Emulsion in water in water and methanol

PEROXAN CND-50 WN-A is used for the (co)polymerization of vinylchloride and vinylidenechloride.



Molecular weight:	**306.4**
CAS No.:	**26748-47-0**

Technical data

Appearance:	**white emulsion**
Peroxide assay:	**appx. 50%**
Active oxygen assay:	**appx. 2.61%**
Density at -20°C:	**1 g/cm³**

Half life time

in chlorobenzene:

$t_{½}$	10h	1h	1min
bei	**38°C**	**56°C**	**91°C**

Storage

Maximum storage temperature (Ts max):	**-15°C**
Minimum storage temperature (Ts min):	**-25°C** to prevent freezing
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:	10°C	SADT in IBC:	0°C
Emergency temperature:	0°C	Emergency temperature in IBC:	-5°C
Control temperature:	-10°C	Control temperature in IBC:	-15°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 CND-50 WN-A may be used in polymerization and copolymerization of vinylchloride. Reasons to use a water based peroxide emulsion instead of a solvent based peroxide are the following:

- Enhanced safety
- Easy to use (pumpable) in "closed reactor technology"
- Easy to dilute with water

Temperature range: 40 to 65°C
Dosing: 0,05 to 0,15 phr

Other applications:
PEROXAN CND-50 WN-A may also be used for the (co)polymerization of vinylidenechloride.

Packaging

25kg container
1100kg IBC

Bulk delivery of PEROXAN CND-50 WN-A in a 1,25 mÂ³ stainless steel intermediate bulk container (IBC) is possible in a number of countries.

Major decomposition products

2-Phenylisopropanol, Isomers of neononane, Carbon dioxide

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN CND-50 WN-A. 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.

The information presented herein is true and accurate and to the best of our knowledge, but without any guarantee. Since the conditions of use are beyond our control we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.

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