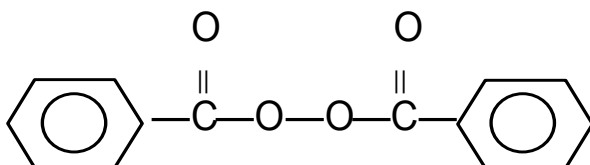


## PEROXAN BP-25 WD

High Polymers  
Diacyl peroxides

**Description:** Dibenzoyl peroxide  
75% , Powder, water damped

PEROXAN BP-25 WD is used for the (co)polymerization of styrene, acrylonitrile, vinylacetate, acrylates and methacrylates.



Molecular weight: 242,2  
CAS No.: 94-36-0

**Technical data:** Appearance: white powder  
Peroxide assay: ca. 75%  
Active oxygen assay: ca. 4,95%  
Bulk density at 20°C: 500 kg/m<sup>3</sup>

**Half life time:** in chlorobenzene

$t_{1/2}$	10h	1 h	1 min
at	71°C	91°C	132°C

**Storage:** Maximum storage temperature ( $T_{s,max}$ ): 30°C  
Minimum storage temperature ( $T_{s,min}$ ): 5°C  
Storage stability as from date of delivery: 6 months

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.

**Thermal stability:** SADT: 80°C  
Emergency temperature ( $T_{em}$ ): 75°C  
Control temperature ( $T_c$ ): not required

The SADT 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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## PEROXAN BP-25 WD

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High Polymers  
Diacyl peroxides

**Application:**

Polymerization of styrene:

PEROXAN BP-25 WD may be used in polymerization of monostyrene in suspension.

Temperature range: 80 to 100°C  
Dosing: 0,1 to 0,5 phr

Polymerization of acrylates and methacrylates:

PEROXAN BP-25 WD can be used as initiator for the solution, bulk and suspension (co)polymerization of acrylates and methacrylates. After dissolving in the monomer, the aqueous phase of the peroxide may be separated.

Temperature range: 65 to 100°C  
Dosing: 0,1 to 0,3 phr

Other applications:

PEROXAN BP-25 WD may also be used for the (co)polymerization of acrylonitrile, vinylacetate and allyl monomers.

**Packaging:**

26.7 kg Cardboard box (4 bags of 6.7 kg each)

**Major decomposition products:**

Carbon dioxide, Benzene, Benzoic acid

**Safety and handling:**

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN BP-25 WD. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at [www.pergan.com](http://www.pergan.com) or through contacting Pergan directly.

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