

PEROXAN PK122 V-80

Peroxyketale / Curing

Description

1,1-Di-(tert-butylperoxy)-cyclohexane 80%, Solution in odorless white spirits

PEROXAN PK122 V-80 is used for the curing of unsaturated polyester resins.

 Molecular weight:
 260.4

 CAS No.:
 3006-86-8

Technical data Appearance: clear liquid

Peroxide assay: appx. 80%
Active oxygen assay: appx. 9.83%
Density at 20°C: 0.88 g/cm³

Storage Maximum storage temperature (Ts max): 25°C

Storage stability as from date of delivery: 6 months

Hazardous reactionsKeep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps)

reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix

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: 60°C

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





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Application PEROXAN PK122 V-80 is used for the curing of unsaturated polyester resins at elevated

temperatures.

PEROXAN PK122 V-80 is preferred for the curing of UP resin based hot press moulding

formulations in the temperature range from 120° to 170°C.

The stability of this peroxyketal in an UP resin is hardly influenced by the presence of metal accelerators, pigments or fillers. PEROXAN PK122 V-80 is therefore very suitable for pigmented and non-pigmented hot press moulding formulations where a long shelf life of the compound is

required.

Depending on working conditions, the following peroxide dosage level is recommended:

PEROXAN PK122 V-80: 1,5 to 2,5 phr

Packaging 20kg container

Major decomposition products Acetone, Hexanoic acid, Carbon dioxide, Methane, tert-Butanol

Safety and handling Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN PK122 V-80. 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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