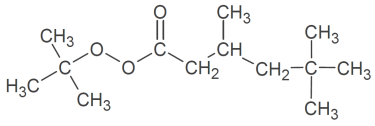
PEROXAN PIN S1

Peroxyester / Curing

Description

tert-Butyl peroxy-3,5,5-trimethylhexanoate
90%, Solution in promotor

PEROXAN PIN S1 is used for the curing of unsaturated polyester resins.



CAS No.:	**13122-18-4**

Technical data

Appearance:	**clear liquid**
Active oxygen assay:	**appx. 6.25%**
Density at 20°C:	**0.9 g/cm³**

Solubility

Insoluble in water, Soluble in aromatic and aliphatic solvents

Storage

Maximum storage temperature (Ts max):	**30°C**
Storage stability as from date of delivery:	**6 months**

Hazardous reactions

Keep 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). Never weigh out in storage room.

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

Safety characteristics

Flash point:	>SADT°C
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 PIN S1 is used for the curing of unsaturated polyester resins in combination with a cobalt accelerator e.g. PERGAQUICK C100 in the temperature range of 60°C and higher.

PEROXAN PIN S1 plus a cobalt accelerator can effectively be used as a replacement for PEROXAN PO in those areas where the use of PEROXAN PO is restricted by ist official transport and storage temperature of max. 20°C.

Applications areas for the cure system PEROXAN PIN S1 plus a cobalt accelerator can be e.g. artificial marble, polymer concrete, etc.

The combination PEROXAN PIN S1 plus a cobalt amine accelerator e.g. PERGAQUICK C24 AX is very suitable for the ambient temperature cure of vinylester resins.

Depending on application and working conditions, the following peroxide and when applicable cobalt accelerator dosage levels are recommended:

PEROXAN PIN S1: 1,0 to 2,0 phr
PERGAQUICK C100: 0,1 to 0,5 phr

Packaging

25kg container

Major decomposition products

2-tert.-Butyloxy-2,4,4-trimethylpentane, Acetone, 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 PIN S1. 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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