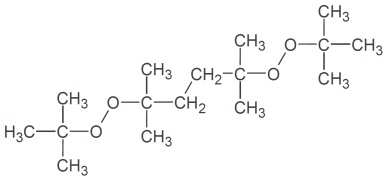
PEROXAN HX

Dialkyl peroxide / Curing

Description

2,5-Dimethyl-2,5-di-(tert-butylperoxy)-hexane
92%, Liquid

PEROXAN HX is used for the curing of unsaturated polyester resins.



Molecular weight:	**290**
CAS No.:	**78-63-7**

Technical data

Appearance:	**clear liquid**
Peroxide assay:	**min. 92%**
Active oxygen assay:	**min. 10.14%**
Density at 20°C:	**0.87 g/cm³**

Solubility

not determined

Storage

Maximum storage temperature (Ts max):	**40°C**
Minimum storage temperature (Ts min):	**10°C** to prevent freezing
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.

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: 80°C

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

Schlavenhorst 71
D-46395 Bocholt
Germany

Phone: +49 (0)2871 / 99 02-0
Fax: +49 (0)2871 / 99 02-50
www.pergan.com

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Application	PEROXAN HX is used for the curing of unsaturated polyester resins at elevated temperatures. PEROXAN HX is preferred for the curing of UP resin based hot press moulding formulations in the temperature range from 140° to 180°C. The stability of this Dialkyl peroxide in an UP resin is hardly influenced by the presence of metal accelerators, pigments or fillers. Depending on working conditions, the following peroxide dosage level is recommended: PEROXAN HX: 1,0 to 2,0 phr
Packaging	**25kg container**
Major decomposition products	**Acetone, Ethane, Methane, tert Amyl-alcohol, tert-Butanol**
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN HX. 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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Germany

Phone: +49 (0)2871 / 99 02-0
Fax: +49 (0)2871 / 99 02-50
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