

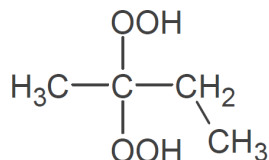
PEROXAN ME-50 LA3 X

Ketone peroxide / Curing

Description

Methyl ethyl ketone peroxide
Solution in TXIB

PEROXAN ME-50 LA3 X is used for the curing of unsaturated polyester and vinylester resins at ambient temperature in combination with cobalt accelerators.



CAS No.:

1338-23-4

Technical data

Appearance:

clear liquid

Active oxygen assay:

appx. 8.2%

Density at 20°C:

1 g/cm³

Solubility

Insoluble in water

Storage

Maximum storage temperature (Ts max):

30°C

Minimum storage temperature (Ts min):

0°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:

44°C

SADT:

60°C

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

PEROXAN ME-50 LA3 X

Ketone peroxide / Curing

Application

PEROXAN ME-50 LA3 X is used for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

PEROXAN ME-50 LA3 X gives in comparison with most other ketone peroxides a significantly longer gel time and is therefore particularly suitable for those applications where a longer gel time or production time is required, for instance in the production of large parts or in filament winding.

PEROXAN ME-50 LA3 X is especially recommended for the cure of vinylester resins. This MEKP formulation gives less "foaming" than standard MEKPs.

Depending on working conditions, the following peroxide and accelerator dosage levels are recommended:

PEROXAN ME-50 LA3 X: 1,0 to 4,0 phr
PERGAQUICK C12 X (Cobalt, 1%): 0,5 to 3,0 phr

Packaging

30kg container

Major decomposition products

Formic acid, Acetic acid, Carbon dioxide, Methyllethylketon, Propionic acid, Water

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN ME-50 LA3 X. 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.