

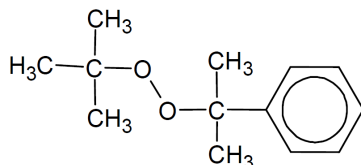
PEROXAN BU M2

Dialkyl peroxide / Curing

Description

Mixture of tert-Butylcumylperoxide and 1,1-Di-(tert.-butylperoxy)-3,3,5-trimethylcyclohexane
Solution in isododecane

PEROXAN BU M2 is used for the curing of unsaturated polyester resins.



CAS No.:

3457-61-2; 6731-36-8

Technical data

Appearance:

yellow, clear liquid

Active oxygen assay:

appx. 6.3%

Density at 20°C:

0.88 g/cm³

Solubility

not determined

Storage

Maximum storage temperature (Ts max):

30°C

Minimum storage temperature (Ts min):

5°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:

60°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 BU M2 is used for the curing of unsaturated polyester resins at elevated temperatures.

PEROXAN BU M2 is preferred for the curing of UP resin based electro insulation lacquers in the temperature range from 100° to 170°C.

PEROXAN BU M2 shows at ambient temperature a good storage stability in the resin because it is not, or much less, sensitive for reducing agents like metals, metal based pigments, fillers or amines than peresters.

The reactivity of PEROXAN BU M2 cannot be increased by the addition of a cobalt accelerator.

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

PEROXAN BU M2: 1,0 to 3,0 phr

Packaging

25kg container

Major decomposition products

2-Phenylpropanol-2, 3,3,5-trimethylcyclohexane-carboxylic acid, 3,3,5-trimethylcyclohexanol, 3,3,5-Trimethylcyclohexanone, Acetone, acetophenone, Ethane, , 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 BU M2. 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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