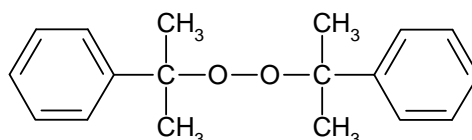




Perkadox[®] BC-FF

Product description

Dicumyl peroxide



Molecular weight	: 270.4
Active oxygen content peroxide	: 5.92%
actual product	: 5.86% min.
CAS No.	: 80-43-3
EINECS/ELINCS No.	: 201-279-3
TSCA status	: listed on inventory

Specifications

Appearance	: White crystals
Assay	: 99.0% min.

Characteristics

Density	: 1100 kg/m ³ (68.6 lb/ft ³)
Bulk density	: 660 kg/m ³ (41.2 lb/ft ³)
Tapped bulk density	: 705 kg/m ³ (44.0 lb/ft ³)
Melting point	: 39.5°C

Storage

Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, AkzoNobel recommends a maximum storage temperature (T_s max.) for each organic peroxide product.

For *Perkadox* BC-FF T_s max. = 30°C (86°F)

When stored under these recommended storage conditions, *Perkadox* BC-FF will remain within the AkzoNobel specifications for a period of at least 3 months after delivery.

Thermal stability

Organic peroxides are thermally unstable substances, which may undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging may occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the Heat Accumulation Storage Test.

For *Perkadox* BC-FF SADT : 75°C (167°F)

The Heat Accumulation Storage Test is a recognized test method for the determination of the SADT of organic peroxides (see Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria - United Nations, New York and Geneva).

Major decomposition products

Acetophenone, Methane, 2-Phenylisopropanol

Packaging and transport

Perkadox BC-FF is packed in non-returnable cartons containing 55.1 lb net weight.

Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your AkzoNobel representative.

Perkadox BC-FF is classified as Organic peroxide type F; solid, Division 5.2; UN 3110: PG I

Safety and handling

Keep containers tightly closed. Store and handle *Perkadox* BC-FF in a dry well-ventilated place away from sources of heat or ignition and direct sunlight. Never weigh out in the storage room.

Avoid contact with reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers and metal soaps).

Please refer to the Material Safety Data Sheet (MSDS) for further information on the safe storage, use and handling of *Perkadox* BC-FF. This information should be thoroughly reviewed prior to acceptance of this product.
The MSDS is available at www.akzonobel.com/polymer.

Applications

Perkadox BC-FF is a special purpose high temperature initiator for the curing of unsaturated polyester, vinyl ester and acrylic thermosetting resins in the temperature range of 100-140°C.

Additional end-use information is available in various application sheets or directly from your AkzoNobel representative.

Perkadox is a registered trademark of Akzo Nobel Chemicals B.V. or affiliates in one or more territories.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. AkzoNobel Polymer Chemicals, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued bulletins on the subject matter covered. The user may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. You may not copy this document to a website.

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