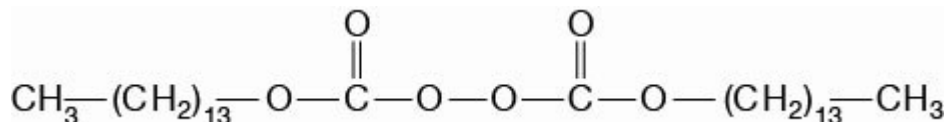


Perkadox 26

Dimyristyl peroxydicarbonate



Perkadox 26 is an initiator for (co)polymerization of vinyl chloride, vinylidene chloride and (meth)acrylates. Light yellow transparent antifouling agent particularly suited for protection of internal walls of reactors used for suspension polymerization of PVC.

CAS number
53220-22-7

EINECS/ELINCS No.
258-436-4

TSCA status
listed on inventory

Molecular weight
514.8

Specifications

Appearance	White flakes
Assay	≥96.0 %
Inorganic + organic hydrolysable chloride	≤ 100 mg/kg

Characteristics

Bulk density	480 kg/m ³
Melting point	42 °C

Applications

Polymerization of vinyl chloride: Perkadox 26 is applied as an initiator for the suspension and mass polymerization of vinyl chloride in the temperature range of 40-65°C. For Thermoset: Perkadox 26 is a peroxydicarbonate used for elevated temperature curing of unsaturated polyester, vinyl ester, acrylate and methacrylate resins. The activation temperature of Perkadox 26 is 45°C (113°F) indicating a need for a minimum processing temperature of 75°C (167°F).

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.

Emergency temperature (T _e)	25°C (77°F)
Control temperature (T _c)	20°C (68°F)
Method	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).

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, Nouryon recommends a maximum storage temperature

Note

When stored under these recommended storage conditions, Perkadox 26 will remain within the Nouryon specifications for a period of at least 3 months after delivery.

Packaging and transport

The standard packaging is a cardboard box for 25 kg or 4 x 5 kg peroxide. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Perkadox 26 is classified as Organic peroxide type D; solid, temperature controlled, Division 5. 2; UN 3116.

Safety and handling

Keep containers tightly closed. Store and handle Perkadox 26 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). Dissolving Perkadox 26 in reactive monomer is not recommended. Please refer to the Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Perkadox 26. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at nouryon.com/sds-search.

Major decomposition products

Carbon dioxide, Tetradecanol

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. Nouryon, 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. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer 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 information on the subject matter covered. The customer 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. Don't copy this document to a website.

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The Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font, all in orange.