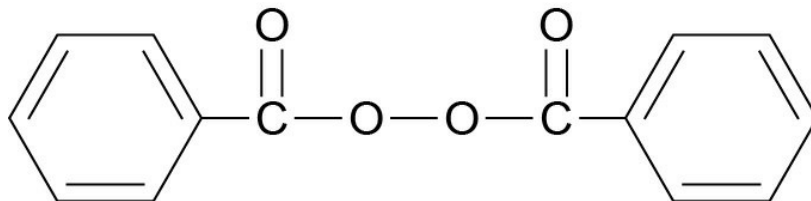


Perkadox L-W35 FCC

Dibenzoyl peroxide, 35% water based suspension



Perkadox L-W35 FCC is an easy pumpable micronized BPO suspension form of dibenzoyl peroxide suitable for use in bleaching of whey, cheese, oil and other food stuffs

CAS number
94-36-0

EINECS/ELINCS No.
202-327-6

TSCA status
listed on inventory

Molecular weight
242.2

Active oxygen content peroxide
6.61%

Concentration
2.18-2.38%

Specifications

Appearance	White viscous liquid suspension
Assay	33.0-36.0 %

Characteristics

Appearance	White suspension
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Applications

Perkadox L-W35 FCC is an easy pumpable micronized suspension form of dibenzoyl peroxide suitable for use in bleaching of whey, cheese, oil and other food stuffs. This micronized BPO suspension offer more thorough distribution in a process and can improve efficiency and uniformity in the bleaching of color bodies. The Food Chemical Codex which should be referenced to insure complete compliance. Perkadox L-W35 FCC is manufactured in accordance with U.S. current Good Manufacturing Practices and relative regulations as they apply to the Food Chemical Codex.

Half-life data

The reactivity of an organic peroxide is usually given by its half-life ($t_{1/2}$) at various temperatures. The half-life of Perkadox L-W35 FCC in chlorobenzene is:

0.1 hr	113°C (235°F)
1 hr	91°C (196°F)
10 hr	71°C (160°F)
Formula 1	$k_d = A \cdot e^{-E_a/RT}$
Formula 2	$t_{1/2} = (\ln 2)/k_d$
Ea	122.35 kJ/mole
A	6.94E+13 s ⁻¹
R	8.3142 J/mole-K
T	(273.15+°C) K

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 (T_s max.) for each organic peroxide product.

Ts Max.	30°C (86°F)
Note	When stored under these recommended storage conditions, Perkadox L-W35 FCC will remain within the Nouryon specifications for a period of at least three months after delivery.

Packaging and transport

Perkadox L-W35 FCC is packaged in closed head HDPE drums, 425 lbs. per drum or 2,125 lb. net recyclable FIBCs. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Perkadox L-W35 FCC is classified as Organic peroxide type F, liquid, Division 5.2; UN 3109.

Safety and handling

Keep containers tightly closed. Store and handle Perkadox L-W35 FCC 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 Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Perkadox L-W35 FCC. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at <https://polymerchemistry.nouryon.com>.

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.