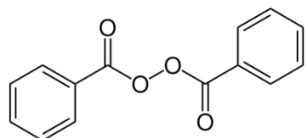


PERVELOX EVO 50

Dibenzoyl Peroxide (BPO) Paste

ACTIVE INGREDIENT STRUCTURAL FORMULA



Empirical Formula: C₁₄H₁₀O₄.
Molecular Weight: 242.2 g/mol.
CAS Number: 94-36-0.

DESCRIPTION – Physical and Chemical Characteristics

PERVELOX EVO is a line of product in which the now outlawed DIBP, previously used by wide and large, has been replaced by a phthalate ester plasticizer classified according to Regulation (EC) No. 1272/2008.

The hardener contains 50% of benzoyl peroxide homogeneously dispersed in plasticizer media with suitable phlegmatizing and rheological agents.

In the correct storing condition and handling, this product doesn't show any kind of separation or, at most, a little physiological one. In the latter case, it's enough to knead the tube by hand or mix the paste with an appropriate spatula, to homogenize the paste.

The standard product is white/lightly beige, but it is available also in red, blue and red brown. Coloured versions, in particular for car repairing, play the role of visual guide to ensure the user that the BPO paste is uniformly dispersed in the patching compound.

For the chemical nature and percentage of active ingredient, this product must be protected from heat to avoid decomposition. For more information see the safety data sheet.

Dibenzoyl Peroxide (%)	50%
Active Oxygen	3.3%
Appearance	Creamy Paste
Odour	Almost odourless
Insoluble in	Water
pH	Acid
SADT (Self Accelerating Decomposition Temperature)	50°C
Recommended storage temperature	5°-25°C

USE & APPLICATION NOTES

PERVELOX EVO is mainly used as a radical polymerization initiator and curing agent for monomeric vinyl, acrylic, styrene and unsaturated polyester/vinyl ester resins, and their copolymers, in combination with proper accelerators, usually amines.

In general, the hardening reaction is highly influenced by air moisture, filler/putty/resin composition, temperature, user dexterity: therefore Raichem recommends to test its products on the compound to be cured, even after being interfaced with its technical department.

Possible application Area: Car Repair, Marine, Marble&Stones, Wood, Industry Process.

PACKAGING

PERVELOX EVO could be packed in tubes, jars, pails, carton box, drums, according to the customer's need. Most of this packaging are in LDPE/HDPE polyethylene. Carton box and drums have a PE bag inside.

SAFETY PRECAUTIONS & STORAGE

Keep PERVELOX EVO stored, possibly in original containers, away from flammables and all source of heat, sparks or flames; out of direct sunlight; away from reducing agents, amines, strong acids or bases, sulphur-based compounds, accelerants and promoters (naphthenates or octoates Co, Mn, Fe, etc.), copper or heavy metal compounds, stabilizing agents, metallic soaps or driers, rust. Product contamination with one element of this list, could activate a more or less violent decomposition reaction resulting in a fire or explosion. Anyway, it might make the product unusable.

Recommended storage temperature: 5°-25°C.

A spontaneous decomposition, with consequent loss of active ingredient and performances reduced up to the point of unusable product, could gradually occur, if temperatures above the recommended one are kept during the storage.

This decay process is time and temperature-dependent: the higher the temperature and the longer the time at such temperature, the faster is the decomposition.

Conversely, if the product would be kept below the recommended temperature, it could freeze thus damaging the emulsion, and making the paste unusable.

Damaged packaging – Remove and isolate in a safe area. Refurbish in a new polyethylene package and, if necessary, dispose of the material according to official regulations.

Never store in refrigerators containing food and/or beverages.

Rotate stock, use older batches first (F.I.F.O. Method).

Limited responsibility declaration

"This information, any further technical explanation and all data are presented in earnest and to the best of our knowledge and experience. They are based on a series of internal and external tests, on currently available raw materials and their purpose is to provide a guideline on our lines of products and their possible application. This information makes up for a general guideline so we highly recommend customers to test and verify our products' performances in the specific conditions of use, so to satisfy the apt use for a specific industrial application. This technical sheet doesn't represent any warranty of the product, neither for its shelf life nor for any responsibility, even legal one, from Raichem's side, including to third party or intellectual property right, in particular for patents. We reserve ourselves the right to amend this data sheet accordingly to the technological progress and future developments. The application and use of our products compatibly to the provided technical indications is alien to our control and the responsibility is solely of the end user, which is not exempt from checking carefully and test the incoming goods for the purpose of verify their aptness to a specific use. The seller is not required to issue any kind of warranty, explicit or implicit, except for goods sold under specific requests and agreed with the buyer. Once the goods, within an established time frame, are accepted by the buyer, it is the latter who assumes all risks and responsibilities to any eventual damage deriving from the use of the goods. This is valid even in case the buyer would acquire the products in single package or in combination with other goods, or if they sell it to a third party, either if goods are sold in their original packaging or refurbished by the buyer then sold again to third parties. All information contained in this bulletin substitute any other information included in any previous technical data sheet."

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