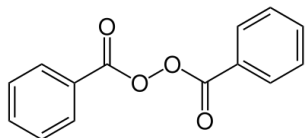


BENZOCLEAN 40 LLV

Dibenzoyl Peroxide (BPO) Liquid Dispersion

ACTIVE INGREDIENT STRUCTURAL FORMULA



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

DESCRIPTION – Physical and Chemical Characteristics

BENZOCLEAN is a phthalate-free line of product, based on a benzoate ester plasticizers not prohibited according to REACH Regulation and classified according to Regulation (EC) No. 1272/2008.

The hardener contains 40% of benzoyl peroxide homogeneously dispersed in plasticizer media with suitable rheological agents.

BENZOCLEAN 40 LLV is a low viscosity dispersion and, also in the right storing condition and handling, could show a separation which is physiological for this kind of formulation. If it occurs, it's enough to mix the dispersion with an appropriate spatula, to homogenize the product.

The standard product is white with a little beige shade, which turn to a strong tonality with ageing or thermal shock.

For the physical-chemical nature and percentage of active ingredient, this product must be protected from heat to avoid decomposition. A liquid dispersion is much more susceptible to degradation than a paste. For more information see the safety data sheet.

Dibenzoyl Peroxide (%)	40%
Active Oxygen	2.6%
Appearance	Liquid Dispersion
Odour	Distinctive
Density @25°C	1.1 g/cm ³
pH	Acid
SADT (Self Accelerating Decomposition Temperature)	50°C
Recommended storage temperature	5°-25°C

USE & APPLICATION NOTES

BENZOCLEAN 40 LLV can be used as a polymerization initiator and curing agent for monomeric vinyl, acrylic, styrene and unsaturated polyester/vinyl ester resins, and co-polymers of these resins, in combination with right accelerators, usually amines.

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

Possible application Area: Roof Covering, Floorings, Road Marking Paints, Moulding, Industry Process.

PACKAGING

BENZOCLEAN 40 LLV could be packed in pails, with size 20-25Kg and jerry can with size 20Kg as the customer needs. The packaging are in LDPE/HDPE polyethylene.

SAFETY PRECAUTIONS & STORAGE

Keep BENZOCLEAN 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 of this list element, could activate a less or more violent decomposition reaction resulting in a fire or explosion or may make the product unusable.

Recommended storage temperature: 5°-25°C.

Spontaneous decomposition, with consequent loss of active ingredient and reduced performances up to useless product, could gradually occur, if maintained during storage temperatures above the recommended temperature.

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

If kept below the recommended temperature, the dispersion can start freezing with a resulting damage of the emulsion.

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

Never store in refrigerators containing food and/or beverages.

Rotate stock, use oldest date first (F.I.F.O. Method).

Disclaimer

“This information and all further technical advice and data are presented in good faith and reflecting our present knowledge and experience based on inward/outward tests with available raw materials, with the purpose to inform about our products and known applications. They should serve only as approximate guidance and therefore customers are kindly advised to test and ascertain the performance of our products in the operating conditions existing at their end, to satisfy themselves about their suitability in a given industrial application. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights.

We reserve the right to make any changes according to technological progress or further developments.

Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.

Seller makes no warranty of any kind, expressed or implied, except that the goods sold under shall meet the specifications of the buyer. After goods are accepted by the buyer within the time specified, the buyer assumes all risk and liability for damage resulting from the use of the goods. Whether used by the buyer singly or in combination with other products, or if sold by buyer to third persons either in its original form or if repackaged by buyer and then sold to third persons.

The information contained in this bulletin supersedes and replaces all information contained in all previous bulletins.”

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