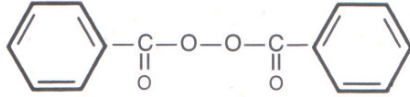


BENOX[®]L-40LV

Dibenzoylperoxide
CAS#94-36-0
40 % dispersion

Structural Formula



Description

BENOX[®] L-40LV is a low viscosity, sprayable dispersion of dibenzoyl peroxide.

BENOX[®]L-40LV is specifically designed for use in “curing” unsaturated polyester and vinyl ester resins and offers the following advantages:

- Low water content
- Faster gel to peak than MEKP systems
- Lower exotherm than MEKP systems
- Less “packing” in spray equipment designed/modified for spraying dibenzoyl peroxide dispersions
- More stable and less separation than the common BPO dispersions on the market
- Less viscosity drift

BENOX[®]L-40LV may also be used as a polymerization initiator for vinyl monomers, (e.g. styrene, acrylate, etc.).

Technical Data

| | |
|---|-----------|
| Dibenzoyl Peroxide | 40% |
| Active oxygen | 2.64% |
| Color | White |
| Density at 25 °C/4 °C | 1.2 |
| Viscosity (Brookfield HBT #4spindle 50 rpm 25 °C) | ~1000 cps |
| Critical temperature (SADT) | >50 °C |
| Recommended storage temperature | 0-25 °C |
| Maintenance of activity as from date of delivery | 12 months |

Application

BENOX[®]L-40LV is low viscosity dispersion and may separate slightly on standing. It will remix easily and should be stirred immediately prior to use. Continuous stirring during use in spray equipment will

maintain a uniform dispersion. BENOX[®]L-40LV may be flushed from spray equipment using isopropanol, methanol or acetone followed by soap and water.

The BENOX[®]L-40LV is very suitable for the cure of road marking paints based on acrylic resins.

To successfully spray BENOX[®]L-40LV through equipment normally used for MEKP, the catalyst delivery system **must** be modified. Spray equipment suppliers can recommend the proper modifications for their equipment. Under normal spray equipment operating conditions, BENOX[®]L-40LV should not be expected to separate and “pack” in the catalyst delivery systems. However, when the system is shut down for long periods of time (i.e., overnight) and there are no provisions to recirculate the BENOX[®]L-40LV, the catalyst section should be depressurized.

Storage

Storage at 21 °C (70 °F) or below is recommended. Protect from freezing. Store in original containers away from flammables and all sources of heat, sparks, or flames; out of direct sunlight; and away from reducing agents, e.g., amines, strong acids or bases, heavy metal compounds (e.g., accelerators and promoters).

Packaging

The standard package sizes of BENOX[®]L-40LV are 20 kg (45 lb) PE-bottles or 22.5 kg pails or 200 kg (440 lb) poly drums. Weights are on a net weight basis.

Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. 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.

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