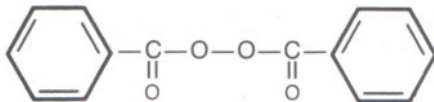


BENOX[®] L-40LV-EU

Dibenzoylperoxide
CAS#94-36-0
40 % dispersion

Structural Formula



Description

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

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

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

To successfully spray BENOX[®]L-40LV-EU 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-EU 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-EU, 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 size of BENOX[®]L-40LV-EU is 20 kg (45 lb) PE-bottles. 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.

United Initiators
EU
T: +49 89 74422 237
F: +49 89 74422 6237
cs-initiators.eu@united-in.com

United Initiators
Nafta
T: +1 800 231 2702
F: +1 440 323 0898
cs-initiators.nafta@united-in.com

United Initiators
China
T: +86 20 6131 1370
F: +86 139 2503 8952
cs-initiators.cn@united-in.com

United Initiators
Australia
T: +61 2 9316 0046
F: +61 2 9316 0034
cs-initiators.au@united-in.com

www.united-initiators.com

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