

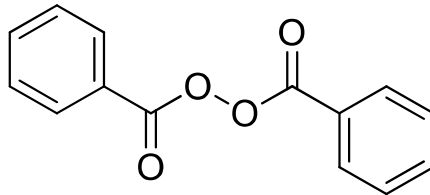
# Technical Data Sheet (TDS)

**BENOX®L-40LV-EU**  
Thermoset (TS)

## **BENOX®L-40LV-EU**

Dibenzoyl peroxide  
CAS#94-36-0  
White 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 time than MEKP systems
- Lower exothermic than MEKP systems
- Less “packing” in spray equipment designed / modified for spraying dibenzoyl peroxide dispersions
- More stable and less separation than other BPO dispersions on market
- little viscosity drift

BENOX®L-40LV-EU may also be used as a polymerisation initiator for monomers (e.g. styrene, acrylates, etc.).

### Technical Data

Appearance	white dispersion
Desensitising agent	phthalate free
Assay	ca. 40 % w/w
Active oxygen (AO)	ca. 2.64 % w/w
Density at 25 °C	ca. 1.1 g/cm <sup>3</sup>
Viscosity (Haake Rheo #4 spindle; 100 rpm; 20 °C)	ca. 350-450 mPa·s
Critical temperature (SADT)	ca. 50 °C
Recommended storage temperature	0 °C to 25 °C ●
Storage stability as from date of delivery	12 months

### Standard Packaging

20 kg (45 lb) in HDPE canisters (blue)

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## Application

BENOX®L-40LV-EU is a low viscosity dispersion and may separate slightly when storing too long. It will remix easily and should always be stirred prior to use.

Continuous stirring during use in spray equipment will aid to maintain a uniform dispersion. BENOX®L-40LV-EU can be flushed from spray equipment using isopropanol, ethanol or acetone (careful: danger when solubilizing org. peroxides in org. solvents!) followed by soap and water.

The BENOX®L-40LV-EU dispersion is very well suitable for the curing of acrylic resins (*i.e.* road marking paints).

To successfully spray BENOX®L-40LV-EU through equipment normally used for MEKP systems, the peroxide 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 separate and "pack" in the catalyst delivery systems. However, when the system is shut down for long periods of time (*e.g.* overnight, weekend) and there are no provisions to recirculate the BENOX®L-40LV-EU, the hardener section should be depressurized.

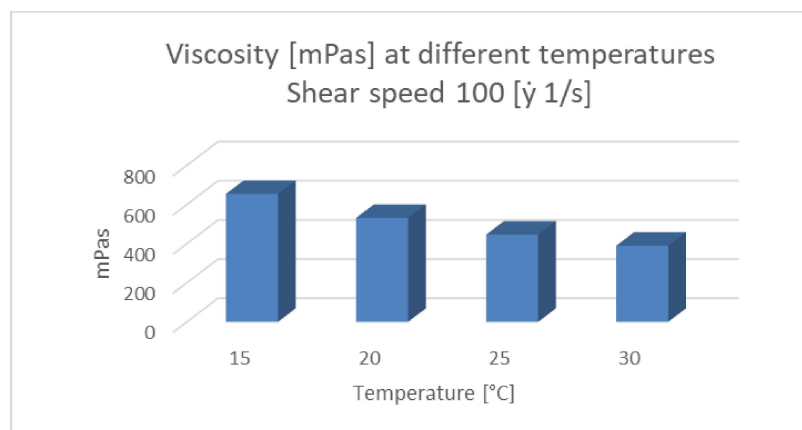
## Decomposition Products

Possible detectable decomposition products: benzene, benzoic acid, biphenyl

## Storage

Avoid any source of heat, light, humidity and protect the product from impurities. Keep within save temperature limits.

## Measurements



## Disclaimer:

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