Perovion®

Product Name : Perovion® MEKP L50R

CAS number : 1338-23-4

Chemical Type : Methyl ethyl ketone peroxide (MEKP)

Business Unit : Organic Peroxides

1. Product Description

Perovion® MEKP L50R is a medium-reactive, general-purpose methyl ethyl ketone peroxide (MEKP) designed for the curing of unsaturated polyester resins in the presence of a cobalt accelerator at room and elevated temperatures. The product is formulated with controlled water content and incorporates a vanishing red indicator system, which is visible during the mixing stage and typically fades during the curing process.

2. Typical Applications

- Curing of unsaturated polyester resins (UPR)
- GRP and composite manufacturing systems
- Applications using cobalt accelerators
- Room-temperature and elevated-temperature curing processes

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Appearance	–	Red liquid	Visual
Total active oxygen	%	8.8–9.0	Internal
Density (20 °C)	g/cm³	~1.18	Internal
Viscosity (20 °C)	mPa·s	~24	Internal

Note: Typical values are indicative only and do not constitute a specification.

4. Recommended Use

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Perovion® MEKP L50R provides the typical curing performance associated with standard MEKP products and is intended for use in a wide range of polyester resin systems. The vanishing red indicator assists visual control during peroxide addition and mixing, while not remaining in the cured laminate. Actual curing behavior depends on resin formulation, accelerator system, dosage, and processing conditions, which should be validated by the user.

5. Packaging & Logistics

Perovion® MEKP L50R is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage. Packaging and transport comply with applicable international regulations for organic peroxides.

- UN classification: Organic peroxide type D, liquid (UN 3105)
- Incoterms: FOB / CFR / CIF (as specified in quotation)

Lead time: Indicative lead time provided at quotation and confirmed upon order acceptance

6. Quality & Documentation

Each batch of Perovion® MEKP L50R is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA). Safety Data Sheets and relevant transport documentation are provided in accordance with destination regulatory requirements. Full batch traceability is maintained through digitized QA documentation systems

7. Handling & Storage

To minimize quality loss, Perovion® MEKP L50R should be stored in its original, tightly closed containers under controlled conditions.

- Recommended maximum storage temperature (Ts max.): 25 °C
- Store in a dry, well-ventilated area, away from heat sources, ignition sources, and direct sunlight
- Avoid contact with reducing agents, acids, alkalis, and heavy metal compounds

Detailed handling and safety instructions are provided in the Safety Data Sheet (SDS) and should be reviewed prior to use.

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