Perovion®

Product Name : Perovion® MEKP-CHP L28R

CAS number : 1338-23-4; 80-15-9

Chemical Type : Mixture of methyl ethyl ketone peroxide and cumyl hydroperoxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® MEKP-CHP L28R is a liquid organic peroxide blend based on methyl ethyl ketone peroxide (MEKP) and cumyl hydroperoxide (CHP), formulated with a vanishing red (VR) indicator system. It is designed for curing unsaturated polyester and vinyl ester resin systems at ambient conditions in conjunction with a metal accelerator. The VR system provides temporary visual indication during dosing and mixing, while leaving the cured end product colorless.

2. Typical Applications

- Curing of unsaturated polyester (UP) resins
- Curing of vinyl ester (VE) resins
- Curing of acrylic thermosetting resins
- Hand lay-up, spray-up, and other ambient-cure composite processes

The red indicator allows visual confirmation of initiator presence, mixing uniformity, and cure progression, and disappears during curing.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear red liquid	Visual
Total active oxygen	%	8.8 – 9.0	Internal
Density (20 °C)	g/cm³	~1.16	Internal
Viscosity (20 °C)	mPa·s	~23	Internal

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

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4. Recommended Use

The dosage and curing system of Perovion® MEKP-CHP L28R depend on resin formulation, accelerator type, ambient temperature, and processing method. Accelerator selection and curing profiles should be evaluated and validated by the user prior to production use. Standard MEKP handling and dosing procedures must be followed.

5. Packaging & Logistics

Perovion® MEKP-CHP L28R is supplied in standard industrial liquid packaging formats, subject to confirmation at the quotation stage.

Minimum order quantities depend on packaging configuration and destination requirements.

- Incoterms: FOB / CFR / CIF (as specified in the quotation)

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

6. Quality & Documentation

Each batch of Perovion® MEKP-CHP L28R is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

Safety Data Sheets (SDS) 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

Perovion® MEKP-CHP L28R should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended maximum storage temperature: ≤25 °C

Avoid contact with reducing agents, acids, alkalis, amines, or heavy metal compounds (e.g. accelerators and metal soaps). Refer to the SDS for detailed safety and handling instructions.

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