Perovion®

Product Name : Perovion® MIBKP LHM

CAS number : 37206-20-5

Chemical Type : Methyl isobutyl ketone peroxide (MIBKP)

Business Unit : Organic Peroxides

1. Product Description

Perovion® MIBKP LHM is a liquid methyl isobutyl ketone peroxide formulation designed for the curing of unsaturated polyester resin systems. It can be used with or without a cobalt accelerator over a wide temperature range and provides controlled reactivity at elevated temperatures.

2. Typical Applications

- Curing of unsaturated polyester (UP) resins
- Filament winding
- Production of flat and corrugated sheets
- Pultrusion (as a kicker in combination with a low-reactivity peroxide)

Perovion® MIBKP LHM can be used with a cobalt accelerator when long gel time at ambient temperature and fast cure at elevated temperatures are required. Without a cobalt accelerator, it shows high reactivity at elevated temperatures, making it suitable where discoloration from cobalt systems is not acceptable.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Color	Pt-Co	≤50	Internal
Total active oxygen	%	10.0 – 10.3	Internal
Density	g/cm³	~0.99	Internal
Viscosity (20 °C)	mPa·s	~12	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® MIBKP LHM depend on resin formulation, accelerator selection, and processing temperature. Processing conditions should be evaluated and validated by the user prior to production use. Standard organic peroxide handling and dosing procedures must be followed.

5. Packaging & Logistics

Perovion® MIBKP LHM 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® MIBKP LHM 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® MIBKP LHM 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, driers, and metal soaps). Refer to the SDS for detailed safety and handling instructions.

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