Perovion®

Product Name : Perovion® MEKP L50

CAS number : 1338-23-4

Chemical Type : Methyl Ethyl Ketone Peroxide (MEKP)

Business Unit : Organic Peroxides

1. Product Description

Perovion® MEKP L50 is a medium-reactive, general-purpose methyl ethyl ketone peroxide (MEKP) initiator designed for the curing of unsaturated polyester resins in the presence of cobalt-based accelerators. It is suitable for curing at both room and elevated temperatures and is widely used in thermoset composite applications requiring balanced reactivity and processing robustness.

2. Typical Applications

Perovion® MEKP L50 is typically used in gelcoat resins, laminating resins, castings, and related glass fiber reinforced polyester systems. It is suitable for common composite processing methods such as hand lay-up, spray-up, and other thermoset composite processes. Actual suitability and performance depend on the specific resin system, accelerator selection, dosage level, and processing conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Liquid	Visual
Active oxygen content	%	~8.8–9.0	Internal Method
Density (20 °C)	g/cm³	~1.18	ASTM D4052
Viscosity (20 °C)	mPa·s	~24	Internal Method
Solubility	–	Soluble in most polyester	Practical test

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

4. Recommended Use

The recommended dosage of Perovion® MEKP L50 depends on the resin formulation, curing system, processing method, and ambient conditions. Accelerator systems and curing profiles should be evaluated and validated by the user prior to production use. Direct mixing of organic peroxides with accelerators should be avoided, and standard peroxide handling and dosing procedures must be followed. Detailed guidance on safe handling and storage is provided in the Safety Data Sheet (SDS).

5. Packaging & Logistics

Perovion® MEKP L50 is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage. Minimum order quantities depend on packaging configuration and destination requirements. The product is offered under standard Incoterms such as FOB, CFR, or CIF, as specified in the quotation. Indicative lead times are provided at quotation and confirmed upon order acceptance.

6. Quality & Documentation

Each batch of Perovion® MEKP L50 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

Perovion® MEKP L50 should be stored in its original, tightly closed containers, away from heat sources and direct sunlight. Storage temperatures should be maintained within recommended limits to preserve product integrity. Contamination must be avoided, and peroxide-specific safety procedures should be strictly observed during handling and storage. Refer to the SDS for detailed safety instructions.

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