Perovion®

Product Name : Perovion® CHP L90

CAS number : 80-15-9

Chemical Type : Cumyl Hydroperoxide

Business Unit : Organic Peroxides

1. Product Description

Perovion® CHP L90 is a high-concentration cumyl hydroperoxide (CHP) organic peroxide designed for use as a free-radical initiator in a wide range of polymerization processes. It can be applied in emulsion, solution, and bulk polymerizations and may be activated with suitable reducing agents or metal compounds for low-temperature initiation. Without accelerators, it is suitable for polymerization over a broad elevated temperature range.

2. Typical Applications

Perovion® CHP L90 is typically used in polymer production processes, including the polymerization and copolymerization of (meth)acrylates and styrenics in bulk, solution, and emulsion systems. It may also be applied in thermoset composites and acrylics applications depending on formulation design and curing conditions. Actual suitability and performance depend on monomer system, initiator combination, and operating conditions applied by the user.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Liquid	Visual
Appearance	–	Clear liquid	Visual
Assay	%	~87–90	Internal Method
Active oxygen content	%	~9.1–9.5	Internal Method
Density (20 °C)	g/cm³	~1.05	ASTM D4052

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Property	Unit	Typical Value	Test Method
Viscosity (20 °C)	mPa·s	~11	Internal Method

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

4. Recommended Use

Perovion® CHP L90 is intended for use as a free-radical initiator in polymerization systems. Initiator dosage, temperature profile, and potential use of activators should be determined and validated by the user based on specific formulation and equipment requirements. Standard organic peroxide handling procedures must be followed. Detailed guidance on safe handling and storage is provided in the Safety Data Sheet (SDS).

5. Packaging & Logistics

Perovion® CHP L90 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® CHP L90 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® CHP L90 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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