Perovion®

Product Name : Perovion® TMCH L29

CAS number : 6731-36-8

Chemical Type : 1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane

Business Unit : Organic Peroxides

1. Product Description

Perovion® TMCH L29 is a liquid organic peroxide initiator containing approximately 90% active ingredient dissolved in an inert hydrocarbon carrier. It is intended for use as a free-radical initiator in polymerization and copolymerization processes, including thermoplastics, thermoset composites, and acrylic systems.

2. Typical Applications

- Polymer production processes
- Thermoset composite systems
- Acrylic and related resin systems

Perovion® TMCH L29 is suitable for applications requiring a liquid initiator with controlled decomposition behavior over a defined temperature range.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear to pale liquid	Visual
Assay	%	88.0 – 90.0	Internal
Active oxygen content	%	~9.3 – 9.5	Internal
Color	Pt-Co	≤50	Internal
Hydroperoxides (as TBHP)	%	≤0.10	Internal
Molecular weight	–	302.5	Calculated

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

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4. Recommended Use

The dosage and use conditions of Perovion® TMCH L29 depend on the polymer system, processing method, and operating temperature. Initiator selection and concentration should be evaluated and validated by the user prior to production use. Standard organic peroxide handling procedures must be followed.

5. Packaging & Logistics

Perovion® TMCH L29 is supplied in standard industrial liquid packaging formats (e.g., jerrycans), 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® TMCH L29 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® TMCH L29 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. Refer to the SDS for detailed safety and handling instructions.

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