Perovion®

Product Name : Perovion® BCHPC P16

CAS number : 15520-11-3

Chemical Type : Di(4-tert-butylcyclohexyl) peroxydicarbonate (BCHPC)

Business Unit : Organic Peroxides

1. Product Description

Perovion® BCHPC P16 is a peroxydicarbonate organic peroxide designed for use as an initiator in low- to medium-temperature polymerization processes. It provides controlled radical generation and is particularly suited for suspension and mass polymerization systems where efficient initiation within a moderate temperature window is required.

2. Typical Applications

Perovion® BCHPC P16 is typically used as an initiator for the suspension and mass polymerization of vinyl chloride and related monomers in the temperature range commonly applied for these processes. It may be used alone or in combination with other organic peroxides to optimize reactor efficiency and polymerization control. 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	–	Solid	Visual
Appearance	–	White powder	Visual
Assay	%	~94–97	Internal Method
Bulk density (20 °C)	kg/m³	~450–480	Internal Method
Density (20 °C)	g/cm³	~1.13	Internal Method

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

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4. Recommended Use

Perovion® BCHPC P16 is intended for use as a polymerization initiator in temperature-controlled processes. Initiator dosage, polymerization temperature, and potential combination with other initiators should be determined and validated by the user based on specific reactor design and formulation 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® BCHPC P16 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® BCHPC P16 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® BCHPC P16 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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