Perovion®

Product Name : Perovion® EHP L-60

CAS number : 16111-62-9

Chemical Type : Di(2-ethylhexyl) peroxydicarbonate

Business Unit : Organic Peroxides

1. Product Description

Perovion® EHP L-60 is a liquid organic peroxide supplied as an approximately 60% aqueous emulsion. It is designed for the (co)polymerization of vinyl chloride and vinylidene chloride, particularly in suspension polymerization processes. The water-based emulsion format supports enhanced safety, pumpability, and ease of handling in closed-reactor technologies.

2. Typical Applications

- Suspension polymerization of vinyl chloride (PVC)
- Polymerization of vinylidene chloride (PVDC)

Typical operating temperature range: ~40–65 °C, subject to formulation and reactor design.

Perovion® EHP L-60 can be used in combination with other peroxides (e.g., cumyl peroxyneodecanoate, dilauroyl peroxide) to improve reactor efficiency and broaden the effective temperature window.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	White to off-white emulsion	Visual
Assay	%	59.0 – 61.0	Internal
Active oxygen (total)	%	2.72 – 2.82	Internal
Active oxygen (peroxide)	%	~4.62	Calculated
Density (0 °C)	g/cm³	~0.980	Internal
Viscosity (–10 °C)	mPa·s	200 – 1000	Internal

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Property	Unit	Typical Value	Test Method
Molecular weight (active)	–	346.5	Calculated

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

4. Recommended Use

Perovion® EHP L-60 is typically used as an initiator for PVC suspension polymerization within the moderate temperature range noted above. Initiator combinations, dosage, and temperature profiles should be evaluated and validated by the user prior to production use. Standard organic peroxide handling procedures must be followed.

5. Packaging & Logistics

Perovion® EHP L-60 is supplied in standard industrial packaging formats, subject to confirmation at the quotation stage.

- Typical packaging: 30-L HDPE containers (~25 kg emulsion); IBC options may be available by destination
- 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® EHP L-60 is released under Innovexar Quality Assurance standards and is accompanied by a batch-specific Certificate of Analysis (COA).

7. Handling & Storage

Perovion® EHP L-60 should be stored in its original, tightly closed containers in a dry, well-ventilated area away from heat sources and direct sunlight.

- Recommended storage temperature range: ~−25 °C to −15 °C
- Ts max.: ~−15 °C (−20 °C for IBC)

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