Perovion®

Product Name : Perovion® DBPH L14-85

CAS number : 1068-27-5

Chemical Type : 2,5-Dimethyl-2,5-di(tert-butylperoxy) hexyne-3

Business Unit : Organic Peroxides

1. Product Description

Perovion® DBPH L14-85 is a bifunctional organic peroxide supplied as an approximately 85% solution in mineral oil. It is designed for high-temperature crosslinking applications and provides controlled radical generation with good scorch safety.

2. Typical Applications

- Crosslinking of natural rubber
- Crosslinking of synthetic rubbers
- Crosslinking of polyolefins

Indicative processing characteristics include good scorch safety at elevated temperatures and efficient crosslinking performance, subject to formulation and processing conditions.

3. Key Characteristics (Typical)

Property	Unit	Typical Value	Test Method
Physical form	–	Clear liquid	Visual
Assay (active ingredient)	%	83.0 – 86.0	Internal
Active oxygen content	%	~11.2	Calculated
Molecular weight (active)	–	286.4	Calculated

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

4. Recommended Use

Indicative curing characteristics:

© 2026 Innovexar. All rights reserved.

- Safe processing temperature: ~145 °C (rheometer ts_2 > 20 min)
- Typical crosslinking temperature: ~185 °C (rheometer t_{90} ≈ 12 min)

The dosage and processing conditions of Perovion® DBPH L14-85 depend on polymer type, formulation, and equipment, and should be evaluated and validated by the user prior to production use.

5. Packaging & Logistics

Perovion® DBPH L14-85 is supplied in standard industrial liquid packaging formats, 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® DBPH L14-85 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® DBPH L14-85 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: ~10 °C to 30 °C

If crystallization occurs, the product may be melted by indirect heating only under controlled conditions. Avoid contact with reducing agents, acids, alkalis, amines, or heavy metal compounds. Refer to the SDS for detailed safety and handling instructions.

© 2026 Innovexar. All rights reserved.