

SALES SPECIFICATION

TERT-BUTYLPEROXY2-ETHYLEXYL CARBONATE

Product Information

Chemical name: TERT-BUTYLPEROXY2-ETHYLEXYL CARBONATE CAS N°:
Click or tap here to enter text.

Product name: TERT-BUTYLPEROXY2-ETHYLEXYL CARBONATE HS code:
Click or tap here to enter text.

General description

Tert-Butyl Peroxy-2-Ethylhexyl Carbonate is a highly effective organic peroxide initiator used in the polymerization and crosslinking of unsaturated polyester resins, acrylics, and other thermosetting systems. It offers excellent thermal stability and controlled decomposition, making it suitable for medium- to high-temperature curing processes.

Properties

Property	Value
Name	TERT-BUTYLPEROXY2-ETHYLEXYL CARBONATE
Appearance	Clear Liquid
Form	Liquid
Assay (Purity)	97.50% – 100.00%
Active Oxygen Content	6.33% – 6.49%
Color (APHA/Pt-Co)	≤ 30
Total Chloride Content	≤ 75 mg/kg
Density (at 20°C)	0.930 g/cm ³

Storage and handling:

- **Storage Temperature:** 0–30°C in a **cool, dry**, and **well-ventilated** area.
- Store in **original containers**, tightly sealed and away from **heat, sunlight**, and **incompatible materials**.
- Avoid contamination with **acids, alkalis**, or **heavy metal compounds**.
- Wear **appropriate PPE** (gloves, goggles, flame-resistant clothing) during handling.
- Classified as **Class 5.2 (Organic Peroxide)** — observe all relevant safety protocols.