

Pinane Hydroperoxide

Organic hydroperoxide initiator for controlled industrial polymerization.

CAS No. 28324-52-9	EC / List No. 248-969-0	Transport Class 5.2 — Organic peroxide
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Product Information

Organic hydroperoxide initiator for controlled industrial polymerization.

Specifications

Parameter	Specification
Appearance	Colorless to pale-yellow liquid
Peroxide content	50.0–55.0 %
Active oxygen	4.70–5.18 %
Refractive index,20°C	1.4700–1.4900
pH of extract	≥4.0
Density,20°C	0.960–0.990 g/mL

Supply limits follow the matching older ZXCHEM technical specification; test conditions and grade order are retained.

Typical Properties

Property	Typical Value
Molecular formula	C10H18O2
Molecular weight	170.25 g/mol

Applications

Controlled polymerization: Organic hydroperoxide initiator for qualified monomer systems.

Redox initiator development: Ingredient for technically supervised initiator packages.

Industrial process qualification: Concentrated peroxide for supervised application trials.

Packaging / Storage

Item	Information
Packing	185 kg net in 210 L plastic drums / 925 kg net in 1,000 L IBC; dispatch subject to peroxide packaging approval
Storage	Use dedicated cool, ventilated organic-peroxide storage away from sunlight, ignition and contamination. Follow the actual supplier package temperature limits; no SADT is inferred.
Handling	Trained personnel only. Use clean dedicated compatible equipment, splash protection and chemical gloves. Exclude ignition and contamination; never return contaminated material to supply packaging.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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