

3-Chloroperoxybenzoic Acid

Wet organic-peroxide oxidizing reagent for selected technically controlled organic-synthesis applications.

CAS No. 937-14-4	EC / List No. 213-322-3	Transport Class 5.2 — Organic peroxide
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Product Information

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Specifications

Parameter	Specification
Appearance	Almost-white wet crystalline powder
Purity	≥75 %
Moisture	≤25 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C7H5ClO3
Molecular weight	172.57 g/mol

Applications

Epoxidation chemistry: Oxidizing reagent for technically supervised epoxidation development.

Baeyer–Villiger oxidation: Reagent for qualified oxidation of suitable carbonyl substrates.

Fine-chemical oxidation: Organic-peroxide reagent for selected nitrogen-oxidation and specialty synthesis routes.

Packaging / Storage

Item	Information
Packing	25 kg fibre drums with compatible inner liners
Storage	Store refrigerated at 2–8°C in compatible original containers. Protect from sunlight, heat and ignition sources. Segregate from reducing agents, strong bases, metals and combustible materials. Keep the wet stabilized form; do not dry.
Handling	Use trained personnel, temperature control and compatible clean tools. Prevent dust, friction, impact and contamination. Wear suitable chemical-resistant gloves, goggles and a face shield. Do not dry the material or remove wetting agents.

Company Contact

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