

Barium Hydroxide Monohydrate

Inorganic barium-base intermediate for selected barium salts, resin additives and specialty material processing.

CAS No. 22326-55-2	EC / List No. 241-234-5	Transport Class 8 — Corrosive solid
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Product Information

Barium hydroxide monohydrate is an inorganic barium base with one water molecule per formula unit, CAS 22326-55-2. It differs from anhydrous and octahydrate grades, which have different formula weights and handling properties. Specify the hydration state when comparing barium hydroxide supply.

Specifications

Parameter	Specification
Appearance	White crystals
Assay	≥99.0 %
Barium carbonate	≤1.0 %
Chloride	≤1.0 %
Iron	≤15 mg/kg
Acid-insoluble matter	≤0.01 %

Supply specifications follow the stated ZXCHEM TDS. Select the grade against the intended process and evaluate the complete formulation.

Typical Properties

Property	Typical Value
Molecular formula	Ba(OH)2·H2O
Molecular weight	189.36 g/mol

Applications

Barium salt intermediates: Inorganic base for selected barium salt preparation. Evaluate dissolution, stoichiometry, impurity tolerance and reaction endpoint.

Resin and stabilizer chemistry: Ingredient for selected specialty resin and stabilizer processes. Test compatibility, colour, conversion and downstream quality.

Specialty materials processing: Intermediate for selected glass and ceramic material development. Evaluate barium loading and finished-material requirements.

Packaging / Storage

Item	Information
Packing	25 kg net drums with moisture-resistant liners
Storage	Keep tightly sealed in a cool, dry, ventilated corrosives storage area with restricted access. Protect liners from moisture and separate from acids, oxidizers and incompatible chemicals.
Handling	Use controlled enclosed feeding or extraction; prevent corrosive dust exposure. Wear compatible chemical gloves, tightly sealing goggles, face protection and protective clothing. Maintain emergency washing facilities.

Company Contact

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