

Barium Nitrate

Inorganic barium nitrate oxidizer and feedstock for glass, ceramic and barium-compound manufacture.

CAS No. 10022-31-8	EC / List No. 233-020-5	Transport Class 5.1 — Oxidizer; subsidiary risk 6.1
-----------------------	----------------------------	--

Product Information

Inorganic barium nitrate oxidizer and feedstock for glass, ceramic and barium-compound manufacture.

Specifications

Parameter	Specification
Appearance	White crystalline solid
Purity	≥99.5 %
Moisture	≤0.05 %
Insoluble matter	≤0.01 %
Iron	≤0.0005 %
Lead	≤0.0005 %
Chloride	≤0.001 %
pH	5–8
Calcium	≤0.004 %
Sulfate	≤0.004 %
Strontium	≤0.1 %
Retained fraction above 1,000 μm	≤1.0 %
Retained fraction above 76 μm	≤5.0 %

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

Typical Properties

Property	Typical Value
Molecular formula	Ba(NO ₃) ₂
Molecular weight	261.34 g/mol

Applications

Barium-compound manufacture: Feedstock for technically supervised barium-compound manufacture.

Glass and ceramic materials: Barium salt for selected glass, ceramic and electronic-material processes.

Licensed pyrotechnic industry: Oxidizing raw material used in the licensed pyrotechnic industry.

Packaging / Storage

Item	Information
Packing	25 kg bags
Storage	Keep locked up in tightly closed packages in a cool, dry, ventilated oxidizer store. Protect against heat and physical damage; segregate from combustibles, organic materials, reducing agents and incompatible chemicals.
Handling	Use enclosed transfer or suitable local extraction. Wear chemical-resistant gloves, goggles and protective clothing, and fitted particulate respiratory protection when required. Avoid dust inhalation and all ingestion; provide eyewash and emergency-response access.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com