

Zinc Chloride

Hygroscopic inorganic salt for metal treatment, synthesis and battery-electrolyte formulation.

CAS No. 7646-85-7	EC / List No. 231-592-0	Transport Class 8 — Corrosive
----------------------	----------------------------	----------------------------------

Product Information

Hygroscopic inorganic salt for metal treatment, synthesis and battery-electrolyte formulation.

Specifications

Parameter	Specification
Appearance	White crystals or powder
Assay, as ZnCl ₂	≥98.0 %
Basic chloride, as ZnO	1.2–2.2 %
Sulfate, as SO ₄	≤0.01 %
Barium, as Ba	≤0.01 %
Iron, as Fe	≤0.0005 %
Lead, as Pb	≤0.0005 %
HCl-insoluble matter	≤0.01 %

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

Typical Properties

Property	Typical Value
Molecular formula	ZnCl ₂
Molecular weight	136.30 g/mol

Applications

Metal treatment and fluxes: Component for qualified metallurgical flux and metal surface-treatment formulations.

Industrial chemical synthesis: Lewis-acid and dehydrating reagent for technically supervised synthesis.

Battery electrolyte formulations: Zinc chloride raw material for selected electrolyte systems.

Packaging / Storage

Item	Information
Packing	25 kg bags
Storage	Store tightly closed in a cool, dry, ventilated corrosives area. Protect from atmospheric moisture and use compatible secondary containment. Separate from strong acids, strong bases, cyanides and sulfides; avoid unprotected metal containers.
Handling	Use enclosed transfer and effective local exhaust. Wear chemical-resistant gloves, splash goggles, face protection and protective clothing. Avoid dust and all skin or eye contact; provide accessible eyewash and emergency washing facilities.

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