Summary Technical Data Sheet

Zinc Chloride

Product Name: Zinc Chloride
CAS Number: 7646-85-7
Formula: $ZnCl_2$
Molecular weight: 136.30 g/mol
Grade: Technical

Typical Properties

Appearance: white powder or granular
Odor: odorless
Melting Point: 290 °C approx.
Boiling Point: 732 °C sublimes
Specific Gravity: 2.91 g/cm^3
Solubility: 423 g/100g in water (25 °C)

Product Specifications

Properties	Specifications
Zinc Chloride (as $ZnCl_2$)	≥ 98.0 %
Basic salt (as ZnO)	1.8 ~2.2%
Ferrum (as Fe)	≤ 5 ppm
Heavy metals (as Pb)	≤ 5 ppm
Cu	≤ 1 ppm
Sulfate (as SO_4)	≤ 0.01 %
Barium (as Ba)	≤ 0.1 %
Moisture	≤ 0.35 %

Zinc Chloride is used for different applications: zinc plating, processing, preparing metals to be tin coated, galvanized or soldered. Zinc chloride, in combination with water-soluble alkali metal silicate, is used to coat substrates normally infested by algae, such as concrete roofing tiles and other silicate-containing building materials, to prevent or minimize algal infestation that imparts a dark, unsightly appearance. It is also one of the three components to prepare color development materials used for pressure-sensitive copying papers and thermo-sensitive recording papers.

Zinc chloride in concentrated aqueous solutions is used in the textile and paper industries since it effectively dissolves cellulose, starch, and silk. Zinc chloride also has applications as a fire retardant and is added to fabric fresheners.

Storage and Handling: Store in a cool and dry place and in tightly closed container.

Packaging: 55 lb / 25 kg bags

Transport Regulations: UN #: 2331; Hazard class: 8; Packing group: III.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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Revised 2023/10/02 **www.aquabond.ca**