

CoastalZinc™ Water Treatment Grade Zinc Chloride

Features:

Zinc chloride is easily soluble in water and hydrolyzes into insoluble colloidal particles, making the compound corrosion inhibitor colloidal and opaque. Over time, these insoluble colloidal particles react in the cathode area of the metal surface and form a film to prevent corrosion.

Applications:

The performance of recirculating cooling water system is critical for efficient and economical operation. The heat transfer surfaces must be kept as clean as possible to assure maximum heat transfer. In order to solve the problem of traditional phosphorus corrosion and scale inhibitors caused earth and water environment pollution. Zinc chloride and other zinc salts package corrosion and scale inhibitor is defined as more environmentally friendly than the common phosphate corrosion inhibitors which used in cooling tower, drinking water, oil and gas fields

Technical indicators:

PARAMETER	INDUSTRY	ENTERPRISE	INDUSTRY	ENTERPRISE
	STANDARD	STANDARD	STANDARD	STANDARD
	Powder		Solution	
Total Zinc (ZnCl ₂) w/%	≥98	≥98	40~50	48~50
Acid-Insoluble w/%	≤0.02	≤0.02	-	-
Basic Salt (ZnO) w/%	≤1.8	≤1.8	≤0.65	≤0.4*
Sulfate (SO ₄) w/%	≤0.01	≤0.01	≤0.01	≤0.0004*
Fe w/%	≤0.0005	≤0.0002*	≤0.0003	≤0.0002*
Pb w/%	≤0.0003	≤0.0002*	≤0.0003	≤0.0002*
Ba w/%	≤0.05	≤0.01*	-	≤0.001*
Ca w/%	≤0.2	≤0.1*	-	≤0.1*
Moisture w/%	≤0.5	≤0.5	-	-
pH	3~4	3~4	3~4	1.2~2.2*
Corrosion Test for Zinc Sheet	pass	pass	pass	pass
Density(25℃) g/cm ³	2.91	2.91	-	1.52-1.56*
Turbidity	-	-	-	≤0.3*
Compatibility	-	transparent*	-	transparent*

* Remarks: Heavy metals and other indicators can be strictly controlled according to customer demand

Packaging:

Zinc chloride powder: 25Kg / lined with double layer moisture- proof film, outer packing woven bag

Zinc chloride solution: 1250Kg / IBC tank