



## FCA1100 Corrosion and Scale Inhibitor

FCA1100 can be used for water quality stabilization treatment in circulating cooling water systems.

### Product Features

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- ❖ This product is a multifunctional composite water stabilizer composed of organophosphates, corrosion inhibitors, multi-component copolymer dispersants, and additives. It exhibits good scale inhibition and dispersion even in water with high hardness and high alkalinity, and provides excellent corrosion protection for carbon steel, stainless steel, copper, and aluminum. It also shows good compatibility with commonly used bactericides, exhibiting a synergistic effect. This product is low in toxicity, easy to use, and safe.

### Physicochemical Properties

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The following represent typical properties of FCA1100 for reference only and are not guaranteed supply specifications.

Refer to official technical documentation for certified data.

Item	Index
Appearance	Light yellow transparent liquid
pH (1% aqueous solution)	≤4.5
Density (20°C) (g/cm <sup>3</sup> )	≥1.10
Solid Content (%)	≥21.0
Total Phosphates (as PO <sub>4</sub> <sup>3-</sup> ) (%)	≥6.0
Azole Compounds (%)	0.8
Minimum Storage Temperature (°C)	-5

\*For specialized applications or customized solutions, please contact FFM Inc. directly.

### Dosage Instructions

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- ❖ This product, used as a corrosion and scale inhibitor for circulating cooling water, exhibits excellent corrosion and scale inhibition properties even in water systems with high hardness, high alkalinity, and high pH. It can be used in open circulating cooling water systems in power, metallurgy, oil refining, and chemical industries. It is suitable for materials such as carbon steel, copper, stainless steel, and aluminum. Continuous addition is recommended, with the concentration varying depending on water quality conditions, generally around 50-80 mg/L. The applicable pH range is 7.0-9.2.

### Packing and Storage

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## Product Data Sheet- Membrane & Water Treatment Chemicals

Calibrated Chemistry, Constant Capability

25 kg plastic drums; custom packaging available upon request. Store in a cool, dry, well-ventilated area away from direct sunlight and high temperatures.

### Shelf Life

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12 months.

### Safety and Protection

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Weakly acidic liquid. Wear protective gloves, goggles, and workwear during handling. Avoid skin/eye contact. In case of contact, rinse immediately with ample water for  $\geq 15$  minutes; seek medical attention if irritation persists.