



FCA1200 Corrosion and Scale Inhibitor

FCA1200 can be used in circulating cooling water systems, especially for water quality stabilization in the chemical industry.

Product Features

- ❖ 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.
- ❖ It is formulated and manufactured entirely in accordance with the HGT 2430-2009 Class II chemical standard.

Physicochemical Properties

The following represent typical properties of FCA1200 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 ³)	1.10–1.18
Solid Content (%)	≥25.0
Total Phosphates (as PO ₄ ³⁻) (%)	≤6.0
Phosphite (as PO ₃ ³⁻) (%)	≤1.0
Minimum Storage Temperature (°C)	-5

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

Dosage Instructions

- ❖ As a scale and corrosion inhibitor for high-hardness, high-alkalinity, and high-pH circulating cooling water systems, it is used in open circulating cooling water systems in power, metallurgy, oil refining, and chemical industries. Suitable for materials such as carbon steel, copper, stainless steel, and aluminum, it is added continuously at a concentration that varies depending on water quality conditions, generally around 50-80 mg/L. It is suitable for pH levels of 7.0-9.2 and is particularly well-suited for use in circulating cooling water systems in the chemical industry.

Packing and Storage



Product Data Sheet- Membrane & Water Treatment Chemicals

Calibrated Chemistry, Constant Capability

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

Shelf Life

12 months.

Safety and Protection

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