



FCA1400 Corrosion and Scale Inhibitor

FCA1400 can be used in circulating cooling water systems, especially for water quality stabilization in the power 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 DLT 806-2013 Class A low-phosphorus formulation.

Physicochemical Properties

The following represent typical properties of FCA1400 for reference only and are not guaranteed supply specifications.

Refer to official technical documentation for certified data.

Item	Index
Appearance	Light yellow to reddish-brown transparent liquid
pH (1% aqueous solution)	3.0±1.5
Density (20°C) (g/cm ³)	>1.15
Solid Content (%)	≥32.0
Total Phosphates (as PO ₄ ³⁻) (%)	2.0–4.0
Orthophosphate (as PO ₄ ³⁻) (%)	≤0.5
Phosphite (as PO ₄ 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 continuously added 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 power industry.



Product Data Sheet- Membrane & Water Treatment Chemicals

Calibrated Chemistry, Constant Capability

Packing and Storage

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.