



FCA1600 Corrosion and Scale Inhibitor

FCA1600 can be used for water quality stabilization treatment in circulating cooling water systems.

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.
- ❖ This product is a phosphorus-free formula, making it safe and environmentally friendly.

Physicochemical Properties

The following represent typical properties of FCA1600 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)	1.5–4.5
Density (20°C) (g/cm ³)	≥1.10
Solid Content (%)	≥21.0
Total Phosphates (as PO ₄ ³⁻) (%)	≤2.0
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. It is suitable for materials such as carbon steel, copper, stainless steel, and aluminum. It is added continuously, and the concentration varies depending on different water quality conditions, generally around 50-80 mg/L. The applicable pH range is 7.0-9.2.

Packing and Storage

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



Product Data Sheet- Membrane & Water Treatment Chemicals

Calibrated Chemistry, Constant Capability

high temperatures.

Shelf Life

12 months.