



FCA2400 Biocide And Algicide

FCA2400 is a high-efficiency slime stripper produced specifically for industrial recirculating cooling water systems, with core functionality focused on rapid removal of biological slime and soft deposits. Leveraging cationic active groups for strong adsorption and interfacial dispersion, it deeply penetrates and disintegrates slime structures while simultaneously suppressing anaerobic microorganisms such as sulfate-reducing bacteria (SRB). This significantly restores heat transfer efficiency and extends equipment service life. Widely deployed across petrochemical plants, thermal/nuclear power stations, and metallurgical facilities, FCA2400 delivers critical support for system cleanliness and operational reliability in high-load water environments.

Product Features

- ❖ Targeted Slime Removal: Cationic active groups selectively adsorb to biofilm interfaces, efficiently stripping stubborn deposits and preventing blockages or under-deposit corrosion.
- ❖ Integrated Microbial Control: Concurrently inhibits bacteria, algae, and SRB during stripping, breaking the cycle of microbial regrowth.
- ❖ Broad Water Compatibility: Performance unaffected by water hardness, pH (6.0–9.0), or temperature fluctuations—ideal for diverse industrial conditions.
- ❖ Superior Storage Stability: Resistant to light, heat, and pressure; maintains quality under sealed storage (note: moisture-sensitive—store sealed).
- ❖ Safe & Eco-Conscious: Low-toxicity formula with no bioaccumulation risk; non-corrosive to carbon steel, copper, stainless steel; compliant with industrial environmental standards.
- ❖ Operational Efficiency: Excellent water solubility enables direct shock dosing; recommended 50–100 mg/L; compatible with standard biocides for cost-effective integrated treatment.

Physicochemical Properties

The following represent typical properties of FCA2400 for reference only and are not guaranteed supply specifications. Refer to official technical documentation for certified data.

Item	Index
Appearance	Light yellow transparent liquid
Active Matter Content (%)	44.0–46.0
pH (Neat)	6.0–8.0
Ammonium Salt Content (%)	<4.0



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

Instructions for Use

- ❖ Application Scope: Designed for biofilm stripping and microbial control in industrial cooling systems (petrochemical, power generation, metallurgy, fertilizer), especially where sulfate-reducing bacteria (SRB) contamination is a concern.
- ❖ Dosing Method: Shock dosing recommended. Standard dose: 50–100 mg/L (based on system water volume), injected directly into sump or return header. For severe fouling, increase dosage and enhance blowdown to remove dislodged residues. Alternate with oxidizing/non-oxidizing biocides for optimized results.

Packing and Storage

25 kg plastic drums. Store sealed in a cool, dry, well-ventilated area. Strictly moisture-proof and light-protected.

Shelf Life

12 months.

Precautions

Wear chemical-resistant gloves, goggles, and protective clothing. Avoid skin/eye contact. Rinse immediately with ample water for ≥ 15 minutes if exposed; seek medical care if irritation persists. Do not store or mix with strong oxidizers.