

## ProPure BioF ERBIOCIDE-FW (MICROORGANISM CONTROL)

Sea Water Cooling System Additive.

### Description

ProPure BioF is applied in cooling systems to prevent and eliminate bacteria, fungi, oysters, mussels, aquatic plants, and similar organisms. It operates by destroying cellular structures within the system. As organisms attempt to regenerate, the product acts like an abrasive, inhibiting growth and forming a thin, inert layer formed by dead organisms. It is used to protect cooling systems from marine-derived fouling.

### Directions For Use/Applications & Dosage Rates General Cleaning

If your system is contaminated with shelled organisms, a pre-cleaning is recommended before starting ProPure BioF usage; otherwise, ProPure BioF will start to kill shelled organisms rapidly, and these dead shells will block cooling blocks.

ProPure BioF must be added as 1 Kg to 100 tons at least once in 2-3 days in coastal waters and at least once in 6-7 days in open sea (10 g/ton). Dosage should be made gradually in 2 hours with a dosage pump. The best injection place of ProPure BioF is just after seachest. In such an application, the product will penetrate into all parts of the sea water system.

### Cooling Water Treatment

#### Summary

- It reduces biological contamination and abrasion (corrosion), which helps prolong the system's output and lifespan.
- Maintains optimal heat transfer performance, resulting in higher output.
- Lowers maintenance and breakdown costs, along with the expenses associated with continuous monitoring.
- Easy to implement and provides cost-effective solutions.

#### A) Organic Properties

##### Appearance

Physical State (20°C): Liquid  
Color : Yellow, green  
Odor : Odorless

#### B) Physical Properties

pH : 2.0 – 4.0  
Molecular weight : -  
Explosion Limit : None  
Flash point : None  
Relative Density : 1.10-1.20 g/cm<sup>3</sup>  
Solubility : Completely soluble in water.

#### Storage Conditions

Packaging Type : 25-30-35-70-200 liters original plastic drums  
Storage Period : 3 years

#### Approvals & Certificates



Product No : SP-KS-016