

ProPure BioS ERBIOCIDE-SW (MICROORGANISM CONTROL)

Sea Water Cooling System Additive

Description

ProPure BioS protects cooling water systems and applied in cooling systems to prevent and eliminate bacteria, fungi, oysters, mussels, 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 organism, a pre-cleaning is recommended before starting ProPure BioS usage. Otherwise ProPure BioS will start to kill shelled organisms rapidly and those dead shells will block cooling blocks.

ProPure BioS must be added as 1-1.5 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 (10-15 g/ton). Dosage should be made gradually in 2 hours with a dosage pump. The best injection place of ProPure BioS 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 : Yellowish liquid

Odor : Sulfur odor

B) Physical Properties

pH : 9.5 – 10.5

Molecular weight : -

Explosion Limit : None

Flash point : None

Relative Density : 1.05-1.15 g/cm³

Solubility : Completely soluble in water.

Storage Conditions

Packaging Type : 25-30-35-70-200 liters original plastic jerry cans

Storage Period : 3 years

Approvals & Certificates



Product No : SP-KS-014