

BACKGROUND

Marine recirculating water systems are susceptible to microbiological contamination from bacteria, algae and fungi. The growth of these organisms can cause a variety of problems in cooling water systems, including: degradation of water treatment additives, corrosion, reduction of heat transfer, plugging of pipes, and noxious odors.

Bacterial biofilms that accumulate on heat transfer surfaces impede heat transfer by a tenfold factor compared to calcium carbonate and calcium sulfate scales of equal thickness. This increases engine temperatures causing mechanical stress, oil breakdown, and further accelerates corrosion. Chemical conditions under biofilms can become corrosive to metals, through acidification and other mechanisms.

Kathon™ WT offers broad spectrum efficacy that kills free floating bacteria and penetrates the surface of adherent bio-films. Kathon WT controls spore and non-spore forming bacteria, nitrifying bacteria, sulfate reducing bacteria (SRB's), and many other problematic organisms. The product provides long lasting effects across a wide pH range, and it is compatible with water treatment additives.

DESCRIPTION

Kathon WT can be used in closed loop recirculating waters such as cooling water for marine diesel engines and auxiliary cooling water systems.

Initial dose: when systems are noticeably fouled, the initial feed rate should be between 150 ml to 350 ml per ton of water in the system. Repeat this dosage every 2 to 3 days until control is achieved. Badly fouled systems should be cleaned prior to treatment.

Subsequent dose: when microbial control is evident, add 75 ml to 175 ml per ton of water every seven days or as needed to maintain control.

FEATURES

- Broad spectrum activity
- Effective at 75ml-350ml/Ton
- Stable in the presence of cooling
- Readily biodegradable

MONITORING

A general view of biocidal effectiveness can be monitored using the Drew Dual Assay Microbiological Assay Slides (PCN 6923016). These easy-to-use dip slides offer a quick and semi-quantitative measurement of bacterial and fungal levels in water samples. Consult with a Drew Marine representative for additional information.

TYPICAL PHYSICAL PROPERTIES

Appearance:	Light blue to light green liquid
Odor:	Pungent
pH:	2 - 4
Specific Gravity:	1.02

Note: Always wear the appropriate personal protective equipment when using this product.

Use biocides safely. Always read the label and product information before use.

PRECAUTIONARY STATEMENTS

WARNING: Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Workers applying this product must wear a long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves. During handling of product, a chemical-resistant apron and goggles or face shield must also be worn. Harmful if swallowed.

PACKAGING/ORDERING INFORMATION

- **To order in USA (except California):**
Kathon WT 1.5% Biocide, 19 liter pail (PCN 0077389)
- **For delivery out of California:**
Kathon WT 1.5% Biocide (CA), 19 liter pail (PCN 0077207)

BENEFITS

- Effective tool for microbial control
- Cost effective
- Long lasting
- Low environmental impact



Contact your Drew Marine representative for more information

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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