

CARETREAT BACTERIA

A microbiological control agent for use in water, lube oil and fuel oil systems

- * Effective against bacteria and algae in oil and contaminated water.
- * Special surface active component ensures complete coverage over large areas.
- * Simple control and monitoring program.
- * Easy to use liquid.

Application

Caretreat Bacteria is used in cooling water systems and oil storage facilities which have problems due to bacteria colonization and/or algae in the oil/water interface.

Caretreat Bacteria is ideally suited to the sterilization of Marine Diesel Engine Cooling Water Systems which have bacteria and/or algae infection.

Diesel Cooling Systems have been prone to this, due to the common occurrence of lubricating and/or fuel oil mixing with cooling water. This gives an oil/water phase ideal for bacteria to colonize rapidly. Water containing bacteria leaks into the lube oil system due to faulty glands, joints and seals or during routine maintenance.

Small amounts of infested water/oil sludges in the storage and circulatory parts of the lube oil system can quickly lead to major failure of bearing surfaces due to acidic conditions and degradation of the oils lubricating properties.

Directions for use

Sterilization of the water system:

The system should be drained and refilled with fresh water treated with Caretreat Bacteria at 500-700 ml to each m³ of water.

Let the Caretreat Bacteria react for 48 hours under circulation with the separate cooling water pump or with the unloaded engine.

During this operation, careful attention should be paid to blanked pipes and bypass loops, etc. to ensure that they also receive adequate treatment.

After 48 hours, drain the system as quickly as possible through all outlets.

Refill the system with distilled water and add Caretreat 2 Diesel to give the correct corrosion inhibition levels and add 500 ml Caretreat Bacteria to each m³.

The product is not to be used in potable water systems without special instructions from Marine Care.

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Sterilization of lube oil systems:

After serious contamination, all areas possible should be cleaned manually to remove sludge and slime.

On large engines, cleaning with undiluted Careclean Heavy Duty Split of the casing frame followed by opening and thoroughly cleaning the sumps is strongly recommended.

This should be followed by flushing of the entire lubricating oil system with a flushing oil containing 500 - 700 ml of Caretreat Bacteria for every m³.

Sterilization of fuel storage tanks:

The action of bacteria in fuel during storage is widely misunderstood and its results often thought to be that of stratification of blended fuels due to incompatibility.

If bacteria is suspected, water drawn from the fuel storage tank bottoms should be tested with the Marine Care "Dip Slide Test" and the bacteria count established.

If it is above 10⁵/ml, there is a good chance that colonization has taken place throughout the fuel. In that case, treat at 700 - 1000 ml of Caretreat Bacteria to each m³ of fuel.

NOTE: These basic instructions are intended to give a reasonable guide to the actions required.

* Please contact Marine Care for more details and specific recommendations.

Properties

A light greenish liquid.

Specific gravity	: 1.01
Flash point	: None
pH (conc.)	: approx. 3
IMO-Code	: None.

NATURE OF SPECIAL RISKS AND SAFETY ADVICE

In accordance with the latest E.E.C. Council directives this product is not subject to any official recommendation.

Voluntary Marine Care recommendation:

Harmful by inhalation and if swallowed.

In case of contact with skin/eyes, wash immediately with plenty of water.

Wear suitable gloves and eye/face protection.