

PRODUCT DATA

AMERSTAT® 10 fuel treatment microbiocide

Description

AMERSTAT® 10 fuel treatment microbiocide is a highly active fuel microbiocide for treatment of fuel in storage tanks. AMERSTAT 10 provides excellent control of hydrocarbon degrading bacteria and fungi which can degrade marine fuels.

AMERSTAT 10 is a blend of methylene bis (thiocyanate), dispersing and solubilizing agents in a solvent system. This combination results in a product which has a wide spectrum of

antimicrobial activity against petroleum degrading microbes.

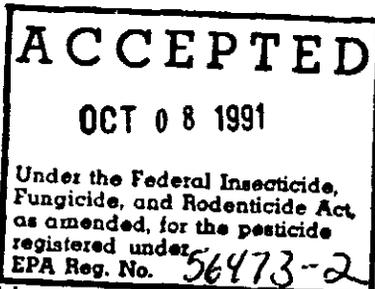
AMERSTAT 10 has multiple applications in marine diesel and gas turbine units, auxiliary boiler systems, and fuel storage and holding tanks. Further, by controlling biological growths, AMERSTAT 10 will maintain system flow specifications by preventing clogging of small passageways caused by degraded fuel by-products.



**Drew
Ameroid®
Marine**

Features

- Broad spectrum biocidal action



- Concentrated liquid

Benefits

- Kills a wide variety of microbiological growth in fuel systems; does not require multiple products.
- Inhibits corrosion in distillate fuel oil systems caused by biological infestation.
- Minimizes filter plugging caused by bacteria in storage tanks and feedlines.
- Minimizes the acidic effects of sulfate reducing bacteria.
- Minimizes clogging and sticking of injector nozzles.
- Easily dosed.

Application and Use

Because the bacteria and fungi live in the water phase layer, AMERSTAT 10 has been formulated to have a specific gravity greater than petroleum oils and to be dispersible in water. AMERSTAT 10 has an inherent characteristic which is known as "seeking the water phase" in an oil/water system.

Ideally, AMERSTAT 10 fuel treatment microbiocide should be fed to the water bottoms. This can be achieved by feeding through a water bottom drain valve or pouring down a sounding pipe prior to refilling the tank. If feeding to the bottom is not practical, it can be slug fed through the tank top ports or fed continuously during the tank filling operations.

Specific feeding points and schedules can be recommended by your Drew Service Engineer for your particular application.

The dosage of AMERSTAT 10 will depend on a number of factors such as the type of system being treated, the nature and extent of the microbial contamination and the degree of control required. Generally the dosage will vary between 100 to 200 ppm (1.0 to 2.0 liters per 10 tons of fuel to be treated). For routine control of bacteria a dosage of 100 ppm is recommended; for initial cleaning of already contaminated systems, 200 ppm is recommended for the first 30-90 days.

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Dosage Guide

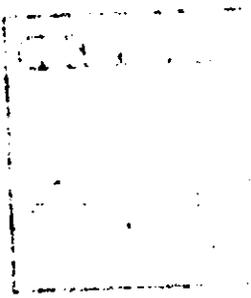
AMERSTAT 10 PPM	Ounces per 1000 U.S. Gals Diesel Fuel	Liters per 1000 Liters Diesel Fuel
200	26	0.20
150	20	0.15
100	13	0.10
50	7	0.05

Typical Physical Properties

Appearance: Clear to hazy liquid
 Flash Point (PMCC): 121.1°C (250°F) min.
 Odor: Aromatic
 Specific Gravity
 @ 25°C (77°F): 1.080-1.095
 pH - 1% aqueous
 solution: 5.5-6.5
 Solubility: Complete
 Storage: Avoid heating and freezing

Packaging

AMERSTAT® 10 fuel treatment
 microbiocide is normally supplied in 25
 liter pails.



AMERSTAT® 10 fuel treatment microbiocide is now being used by more than 500 vessels as part of their regular fuel treatment maintenance program. It is available in most major ports worldwide and is backed by individual service when and where needed. AMERSTAT® 10 microbiocide is manufactured to the highest specifications assuring consistent quality and performance.



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