

CAREFLOC

A general purpose dispersant for effective removal of mud and silt from ballast tanks, pipe line systems, open and closed cooling water circuits.

- * Non hazardous, chemically inert product
- * Prevents mud and silt from settling in tank
- * Removes already settled mud and silt sediments
- * Low dosage rates
- * Biodegradability above 99%.

Directions for use

Cleaning dirty ballast tanks

Marine Care Carefloc must be dosed to the tank at the rate of 1 ltr. product to 10m³ water. If possible water volume in the tank should be minimised to reduce product requirement. Maximum agitation should be provided by back flushing when pumping out.

Ballast tank treatment

To maintain good conditions in a clean tank Carefloc must be added at 1 ltr. product to 20 m³ water.

Both dosage recommendations should be considered as the minimum for full effectiveness.

Carefloc should be added via the tank covers, avoiding dispersion problems when dosed via vents or sounding tubes. If the latter is unavoidable, ensure that plenty of water is added directly after, to aid mixing.

Open cooling water systems

Dirty systems should be cleaned by injecting Carefloc at the rate of 1 ltr. product to 10 m³ circulating water flow over a one hour period every 24 hours. This rate can be reduced by 50% once a system is reasonably clean and requires maintenance of those conditions.

Diesel engine cooling water systems

Desludging must be carried out by injecting a minimum dose of 1 ltr. Carefloc to 10m³ water capacity. Small systems of less than 2.5 m³ should use 0.3 ltr. of Carefloc regardless of capacity. Carefloc should be injected into the system at a high dosing point, but if the header tank is used, ensure that the make-up valve is closed and water level lowered below the cylinder levels before Carefloc is added to the tank. Add the calculated volume of Carefloc to the empty tank and then open the make-up valve to refill the system. This ensures that the product enters the cooling circuit.

Circulate for 30 – 40 minutes then completely drain the system as quickly as possible using all drains and removing covers if practical. Addition of untreated water whilst draining will assist in removing treated sludge. Repeat the operation if sludge level is excessive.

Heat exchangers – sea water side

Static method

Isolate unit and add 1 ltr. Carefloc to 10 m³ water capacity. If possible, agitate with an air line or temporary circulation loop. After 30 minutes, flush thoroughly with water to remove all flocculated deposits.

Note: If “on load” cleaning of specific coolers is required, inject 1 ltr. Carefloc to 10 m³ cooler throughput upstream of the unit for 1 hour.

General hints

- A. Prolonged contact of Carefloc with sludge reduces its effective flocculation. This should be considered in ballast tanks which are not continuously being discharged. Sludge should be removed within seven days maximum.
- B. Above 60° C the effect of Carefloc is reduced and, if necessary, dosage rates must be increased.
- C. Carefloc will function over the full pH range, however, it is more effective in alkaline conditions.
- D. Do not use less than 1 ltr. of Carefloc to 20 m³ water.

Injection Equipment

Marine Care has a range of pump and tank units suitable for the injection of Carefloc.

Properties

Carefloc is a light yellow liquid.

Specific gravity (20°C)	: 1.3
pH	: approx. 7
Flash point	: none
IMO-Class	: non hazardous.

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.

For detailed information on safety and health, please refer to Material Safety Data Sheet and / or Product label.

The details of our products are given completely free of undertaking. Since their application lies outside our control we cannot accept any liability for the results.