



**MARINE  
CARE**

# CARETREAT 5 SEAWATER

DISCOVER THE DIFFERENCE

**Sea cooling water corrosion inhibitor and growth preventer, based on natural filming amines**

## DESCRIPTION

Caretreat 5 Seawater, is designed as an environmental friendly growth preventer for seacooling water systems, box coolers, tanks (ballast, trim) and fire fighting systems. Caretreat 5 Seawater acts as a filming agent, at molecular level. This non-oxidizing, non-toxic tension-active emulsion with dispersant properties will prevent micro and macro fouling, scaling, corrosion, bio-life, mud.

## ADVANTAGE

Caretreat 5 Seawater has at the advised dosingrate no impact on the environment and is biodegradable. Caretreat 5 seawater has high filming capabilities (growth prevention), excellent dispersing, scale and corrosion inhibiting properties. Caretreat 5 Seawater can be used in flow through as in static systems like tanks and fire fighting lines.

## APPLICATIONS / DIRECTIONS FOR USE

*Sea Cooling water Systems:* In coastal waters, the product has to be metered into the sea-chests or strainers at a rate of 6 ppm over 1 hour every 24 hours (0,6 liters per 100 m<sup>3</sup>/h). In port when the cooling waterflow is much lower the dosing can be reduced to 6 ppm over 30 minutes per 24 hours. At deep-sea the product can be dosed at a rate of 6 ppm over 1 hour every 48 hours at the same dosing rate. In deep cold waters there is no need for dosing the product, but dosage should be started 3 days before entering shallow or warmer (> 12 °) waters.

*Box coolers:* The product should be dosed well spread over the cooler surface, at a dosing rate of 300 ppm calculated over the contents of the box.

Box contents 2 m<sup>3</sup>: product dosage 2 x 300 equals 600 ml (0,6 liters) dosed over a period of 10 minutes every 24 hours (dosing pump setting 3,6 l/h).

- Environmentally friendly

- Biodegradable

- Treatment of:
  - > Flow through systems
  - > Box coolers
  - > Tanks
  - > Fire fighting systems

- OCNS Registered



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# MARINE CARE

## CARETREAT 5 SEAWATER

**Tanks:** Ballast and Trim tanks can be treated against biofouling. The initial dosage should be 100 ppm (1 liters per 10m<sup>3</sup>), followed by a monthly dosage of 30 ppm.

**Fire Fighting Systems:** The product has to be dosed when the fire fighting pumps start for testing every week or every second week. The dosing rate is 30 ppm over a period of 30 minutes, calculated on the fire fighting pumps capacity. The product should be dosed in the inlet strainer or pump suction.

Caretreat 5 Seawater can safely be dosed in seawater that is used for freshwater productions over an evaporator. Caretreat 5 Seawater cannot be used on Reversed Osmosis systems and not in Potable water.

### DOSING SYSTEMS:

Marine Care supplies a complete range of dosing systems, from manual operated gravity systems, to custom built computer operated high tech systems, for every application.

### PROPERTIES

Article number	14405
pH	5
Density	0,94 g/cm <sup>3</sup>
Flashpoint	> 100 °C
Physical state	Liquid

### APPROVALS

- Caretreat 5 Seawater does not contravene I.M.O. regulations concerning over-board discharge
- Approved by the Norwegian Institute of Public Health
- OCNS registered, 24400, for Offshore applications

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

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