



# CARETREAT 5 SEAWATER

## Sea cooling water anti-foulant, based on natural filmforming amines

### DESCRIPTION

Caretreat 5 Seawater, is designed as an environmental friendly anti-foulant for seacoolingwater systems, boxcoolers, tanks (ballast, trim) and fire fighting systems. Caretreat 5 Seawater controls effectively fungi, algae, bacteria and crustacean fouling in seawatersystems.

### ADVANTAGE

Caretreat 5 Seawater has, besides being an anti-foulant, excellent dispersing, scale and corrosion inhibiting properties. Caretreat 5 Seawater is non-corrosive. Caretreat 5 Seawater can be used in flow through as in static systems like tanks and fire fighting lines.

### APPLICATIONS / DIRECTIONS FOR USE

*Sea Coolingwater 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 coolingwaterflow is much lower the dosing can be reduced to 6 ppm over 30 minutes per 24 hours. At deepsea the product can be dosed at a rate of 6 ppm over 1 hour every 48 hours at the same dosingrate. 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.

*Boxcoolers:* The product should be dosed well spread over the cooler surface, at a dosingrate 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 (dosingpump setting 3,6 l/h).

- Eco-friendly
- Biodegradable
- Treatment of:
  - > Flow through systems
  - > Box coolers
  - > Tanks
  - > Fire fighting systems
- OCNS Registered

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**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 pumpsuction.

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 overboard 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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