



**MARINE
CARE**

CARETREAT ALKALINITY CONTROL

- Environmentally friendly
- Low product consumption
- Simple testing

Boilerwater Alkalinity booster

DESCRIPTION

Caretreat Alkalinity Control is highly concentrated liquid hydroxide based product. The product creates residual alkalinity to protect to boiler for general acid corrosion. In conjunction with Caretreat Hardness Control and/or Caretreat Oxygen control, it prevents the boiler from scaling.

ADVANTAGE

- elevates p-Alkalinity, to protect the boiler from general corrosion
- environmentally safe, non-toxic product
- simple and accurate testing
- effective under all operating conditions

APPLICATIONS

Caretreat Alkalinity Control can be used in any type low and medium pressure boiler system.

Caretreat Alkalinity Control can be used in the following Make-up water:

- evaporated water
- reversed osmosis water
- demineralized water
- softened water

DIRECTIONS FOR USE

Standard water treatment:

Caretreat Alkalinity Control can be added directly to the feed water. We strongly recommend this is done by using a dosing pump. It is also recommended to continually dose Caretreat Alkalinity Control in conjunction with Caretreat Hardness Control and Caretreat Oxygen Control.



MARINE CARE BV
Oude Maasweg 35
Port number 4005
3197 KJ Rotterdam Botlek
The Netherlands
T. +31 (0)10 2950342
F. +31 (0)10 2950345
E. supply@marinecare.nl
W. www.marinecare.nl



MARINE CARE

CARETREAT ALKALINITY CONTROL

Control limits

The boiler water must meet the following conditions:

p-Alkalinity	: 100-280 ppm CaCO ₃	
Chlorides	: max. 300 ppm Cl ⁻	(Low pressure boilers)
	: max. 100 ppm Cl ⁻	(Medium pressure boilers)
pH	: 9.5 to 10.8	
Conductivity	: 400 to 2000 μS/cm	(Low pressure boilers)
	: 400 to 1000 μS/cm	(Medium pressure boilers)
Phosphate	: 25-45 ppm PO ₄ ³⁻	

Initial dosage

Caretreat Alkalinity Control should be dosed at a rate of 0.25 liter per ton boiler contents. Allow the boiler water to be conditioned for 24 hours and then carry out a p-Alkalinity test. Adjust product dosage if necessary to obtain a p-Alkalinity of 100 - 150 ppm. At the same time determine the chloride content. If the chlorides are too high, give the boiler a top and bottom blow down in a ratio in time 2 to 1.

Daily dosage

Caretreat Alkalinity Control should be dosed at a rate of 0.1 liter per ton boiler feed water.

DOSING SYSTEMS

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

TEST KIT

Alkalinity value can be analyzed with the Marine Care Boiler Test Kit.

PROPERTIES

Article number	14408
pH	14
Density	1.36 g/cm ³
Flashpoint	Not applicable
Physical state	Liquid

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

- Environmentally friendly
- Low product consumption
- Simple testing



MARINE CARE BV
Oude Maasweg 35
Port number 4005
3197 KJ Rotterdam Botlek
The Netherlands
T. +31 (0)10 2950342
F. +31 (0)10 2950345
E. supply@marinecare.nl
W. www.marinecare.nl