



**MARINE  
CARE**

# CARETREAT OXYGEN SCAVENGER

**Quick acting oxygen Scavenger for boiler feed-water of low and medium pressure steam systems**

- Excellent oxygen Scavenger
- Prevents pitting
- Low product consumption
- Simple testing

## DESCRIPTION

Caretreat Oxygen Scavenger is a liquid highly concentrated product based on Sulfit. Caretreat Oxygen Scavenger reacts quickly with the Dissolved Oxygen in the boiler feed water, to protect as well the feedwater system as the boiler for corrosion.

## ADVANTAGE

- removes oxygen to protect the feedwater system and boiler from pitting and general corrosion
- environmentally safe, non-toxic product
- simple and accurate testing
- effective under all operating conditions

## APPLICATIONS

Caretreat Oxygen Scavenger can be used in any type low and medium pressure boiler system. Caretreat Oxygen Scavenger 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 Oxygen Scavenger has to be dosed in to the feedwater line before the suction side of the feedwater pump. We strongly recommend this is done by using a dosing pump. It is also recommended to continually dose to maintain a residual sulfite level of 30 to 50 ppm Sulfite  $\text{SO}_3$ . Do mind that the Alkalinity level has to accurately controlled, between P-Alk. of 100 - 200 ppm as  $\text{CaCO}_3$



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# MARINE CARE

## CARETREAT Oxygen Scavenger

### DIRECTIONS FOR USE (CONTINUED)

The Caretreat Oxygen Scavenger consumption is inverted proportional to the feedwater temperature. The feedwater should be as high in temperature as possible. Low temperature feedwater of 50 °C contains 5 x more dissolved oxygen as feedwater of 90 °C.

#### Control limits

30 - 50 ppm Sulphite SO<sub>3</sub>.  
100 - 200 ppm Sulphite SO<sub>3</sub> at cold lay-up

#### Initial dosage

Caretreat Oxygen Scavenger is dosed as initial dosage in **cold** feed water at a rate of 0,2 liter per ton boiler contents. In hot feedwater an amount of 0,1 liter per ton boiler contents is sufficient.

#### Daily dosage

Caretreat Oxygen Scavenger is dosed at a feed water temperature of 50 - 60 °C at a rate of 0,1 liter per ton feedwater.

### 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.

### PROPERTIES

|                |                        |
|----------------|------------------------|
| Article number | 14409                  |
| pH             | 4,2                    |
| Density        | 1,29 g/cm <sup>3</sup> |
| 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.

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