



**MARINE
CARE**

CARETREAT 1 EVAPORATOR

- Environmentally friendly
- Excellent:
 - > scale distortion
 - > foam reduction

For the prevention of scaling in sea water evaporators

DESCRIPTION

In the production of distilled water in seawater evaporators, there are many conditions which can cause scaling. In the evaporator, the seawater is heated to the required temperature and is then partially evaporated at atmospheric or low pressure. It then condenses and is collected as distillate. Since the seawater contains large quantities of salt in solution it is evident that the heating and evaporation will very rapidly lead to scaling of the heat transfer surfaces. The scale deposits build up and lower the plant efficiency by severely impairing the heat transfer. Resulting in considerably reduced output. Scaling is prevented by the use of Caretreat 1 Evaporator.

ADVANTAGE

- Prevents scale formation at temperatures up to 160 °C
- Reduces foaming and maintains optimum plant performance
- Reduces carry-over
- Environmentally safe product

APPLICATIONS

Caretreat 1 Evaporator can be used on any type of evaporator.

DIRECTIONS FOR USE

Caretreat 1 Evaporator should be diluted in freshwater and fed continuously to the evaporator feed water line or directly to the evaporator shell using a recommended dosing system consisting of dosing tank with flowmeter and suitable eductor, or a metering pump system.



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DOSAGE

Caretreat 1 Evaporator is continuously dosed at a rate of 30 ml/ton distilled water produced.

DOSING SYSTEMS

Caretreat 1 Evaporator is normally dosed by a gravity dosingsystem consisting of a dilution tank, flowmeter, meteringvalve and injector.

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	14401
pH	7
Density	1,1 g/cm ³
Flashpoint	Not applicable
Physical state	Liquid

APPROVALS

Approved by the Norwegian Institute of Public Health

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

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