

# CARETREAT POTABLE WATER TREATMENT

- Prevents corrosion in potable water systems
- Prevents rusty appearance of water
- Stabilises excess hardness
- Economical, easy to dose liquid
- NON toxic (less than 10 ppm SiO<sub>2</sub>)

## INTRODUCTION

Caretreat Potable Water utilises polymer technology in combination with silica to provide a protective film on system surfaces, avoiding corrosion and scale formation.

The product can be injected into the discharge lines of the fresh water generator and/or reverse osmosis plant to avoid the problems of corrosion caused by the acidic distillate from these plants. If these lines are protected, the product is injected directly into the fresh water pumps' suction manifold. If a high percentage of shore water is used and the tanks are oxidising, the product must be slug dosed into the tanks prior to taking water.

## APPLICATION

### Dosage instructions

#### Initial dosage:

Inject the product at a rate of 50 ml. per m<sup>3</sup> water.  
Use the same rate (50 ml/m<sup>3</sup> water) for slug dosing tanks.

#### Continuing dosage:

Within a short period water outlets on the vessel will become clear.  
At this time, reduce the dosage to 25 ml. per m<sup>3</sup> water.

#### Dosing system operation:

To achieve the initial 50 ml/m<sup>3</sup> water the following routine must be carried out :

- a. Calculate average daily potable water consumption from vessel records.
- b. Using rate for initial dose (50 ml/m<sup>3</sup> water) calculate 24 hours requirement.
- c. Partly fill dosing tank with water and add the calculated volume of product, for each 24 hours of injection.
- d. Fill the tank to capacity, mix well and start dosing.

Example:

For 20m <sup>3</sup> per day	: initial dose
Pump	: PWT dosing unit
Max. output	: 10 litres/hr.
Tank capacity	: 60 litres

Dilution of product : 60 : 1

- \* Add 1 litre of POTABLE WATER
- \* Fill the tank to capacity (60 litres)
- \* Set pump stroke and cycles to discharge 60 litres/day
- \* Refill every day.

For further details on dosing units refer to the equipment information sheets.

## **PROPERTIES**

Aqueous colourless liquid. Completely miscible with water.

Specific gravity (20° C)	: 1.233
Flash point	: none
pH (1% solution)	: 10.4
IMO-Code	: no classification.

## **NATURE OF SPECIAL RISKS AND SAFETY REGULATIONS**

In accordance with the latest E.E.C. Council directives this product is not subject to any official recommendations.

### **Voluntary Marine Care recommendation**

Irritates the skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The details of our products are given completely free of undertaking. Since their application lies outside our control we cannot accept any liability for the results.