

## MULTI 143

### ALL-IN-ONE BOILER WATER TREATMENT

#### DESCRIPTION

MULTI 143 is a multifunctional boiler water treatment with the following features:

- Complete boiler treatment in a single product for softened or RO water.
- Appropriate for boiler feed water without de-aerator.
- Mix of catalyzed sulfite and organic oxygen scavenger that control oxygen corrosion in feed water system and boiler.
- Passivates the iron and copper metal surfaces for greater operational reliability.
- Blend of polymers for avoiding scale and deposits of hardness, iron and silica.
- Neutralizing amine blend provides effective system wide protection.
- Ingredients meet FDA guidelines for use in treating boilers where steam may come in food contact.
- Easy control program.

#### APPLICATIONS AND DOSING

The product is designed for use in boilers operating in the low and medium pressure range, with softened or reverse osmosis or make up water.

The feed rate of MULTI 143 will depend on the feed water temperature (dissolved oxygen) and the specified residual level of scavenger in water.

Depending on the dose of product there is a maximum hardness allowed in the feed water.

#### TECHNICAL DATA

Appearance:	Yellowish to amber liquid
Odor:	Amine
pH (20 °C):	11 – 13
Density (20 °C):	1,07 – 1,11 g/cm <sup>3</sup>
Freezing point:	< 0 °C
Solubility:	Soluble in water

#### INSTRUCTIONS

MULTI 143 should be added continuously and directly from the original container by means of a metering pump in the boiler feed water tank.

In case of dilution use good quality water (make-up or condensate) and cover the blending tank to maintain oxygen scavenger efficiency.

#### STORAGE, SAFETY AND TRANSPORT

MULTI 143 is an alkaline product for industrial use and the typical precautions of handling these products must be adopted.

Avoid contact with skin and eyes. In case of contact wash immediately the zone affected.

For further information, refer to the material safety data sheet.

Store MULTI 143 in the original container. Keep container tightly closed and maintain at ambient temperatures: 5 - 30°C. Keep protected from direct sunlight.

## **FURTHER INFORMATIONS**

Our recommendations regarding our products are based on in-depth tests developed by our Technical Department.

They are given in good faith and no liability can be derived from them.

Always read the label and product information before use.