



## **ALKALINITY CONTROL** **(ALKALINITY BOILER WATER TREATMENT)**

### **Product Description**

ALKALINITY CONTROL is a concentrated alkaline liquid product for corrosion and scale control in boilers.

This treatment is part of **Eurochem's Coordinated Treatment Program**. Alkalinity Control provides the alkaline conditions for Hardness Control to function correctly.

**ALKALINITY CONTROL is characterized as a safe additive in the preparation of steam that will contact food in accordance with U.S. regulations FDA (CFR code 173.310 Boiler Water Additives).**

### **Application**

ALKALINITY CONTROL is used for all boiler pressures mainly for providing the required alkaline conditions within the boiler for corrosion control, by neutralization of acid gases and by the establishment of passivating layer (magnetite).

### **Dosage**

The recommended initial dosage is 235-280 milliliters per ton of boiler water depending on the boiler pressure. Check P-Alkalinity and adjust according to the table below.

Proper treatment should normally give a pH between 9.5 and 11. These are recommended limits for levels of treatment.

**They are not intended to replace boiler manufacturer's specifications or company regulations.**

**USING THE TABLE:** Select the section corresponding to the pressure of the boiler to be treated and read across the table to obtain the level of treatment required.

**DOSE OF ALKALINITY CONTROL MILLILITERS PER TONNE OF WATER**

Pressure Range		P-alkalinity test result ppmCaCO <sub>3</sub>							Standard Range P. alkalinity	Initial Dose milliliters/Tone
		0-60	60-90	90-100	100-110	110-120	120-150	150+		
0-30 Bar 0-441Psi	Dose of alkalinity control milliliters per Tonne of water	225	110	70	Satisfactory No Dose	Satisfactory No Dose	Satisfactory No Dose	Blow Down	100-150	280
31-40 Bar 456-588Psi		190	80	60	Satisfactory No Dose	Satisfactory No Dose	Blow Down	Blow Down	100-130	260
41-60 Bar 603-882Psi		170	80	60	Satisfactory No Dose	Satisfactory No Dose	Blow Down	Blow Down	100-120	235

**Note:** 225 ml per tonne of water will raise the p-Alkalinity by 100 ppm.

### **Caution**

Contains alkaline materials. Avoid contact with eyes, skin and clothing.

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