

## ALKALINITY CONTROL

**Product Code : Q00003**  
**Product Group: BOILER WATER TREATMENT**  
**Packaging: 25L**

### 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 food additive in accordance with U.S. regulations FDA (CFR code *173.310 Boiler Water Additives*).

### APPLICATION, DOSAGE & CONTROL

#### 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 acidic gases and by the establishment of passivating layer (magnetite).

#### Dosage

The recommended initial dosage is 200-250 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.**

### BENEFITS

- Characterized as a safe food additive in accordance with the U.S. regulations FDA (CFR code 173.310 Boiler Water Additives)
- Maintains alkalinity within optimum limits.
- Assists in precipitation and blowdown of magnesium and calcium salts.
- Neutralises acid conditions.
- Can be used with most treatment chemicals, in conjunction with a coordinated treatment programme.
- Can be used in boilers of all pressures.
- Can be used as a neutralizer after acid cleaning operations in different systems.

**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 TON OF WATER**

Pressure Range		P-alkalinity test result ppm CaCO <sub>3</sub>							Standard Range P.alkalinity	Initial Dose milliliters/Ton
		0-60	60-90	90-100	100-110	110-120	120-150	150+		
0-30 Bar 0-441Psi	Dose of alkalinity control milliliters per Tone 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 ton of water will raise approximately the p-Alkalinity by 100ppm.

**HEALTH SAFETY**

Please refer to the Material Safety Data Sheet and Product Label for specific information.

**LIMITATION OF LIABILITY**

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