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# ALKALINITY CONTROL 25 LTR

Product group: **655** Product number: **571307**

Optimal Corrosion and Scale Control for Boiler Systems



Alkalinity Control is a concentrated liquid alkaline product designed to provide effective corrosion and scale control in boilers.

## Product information

### Why Choose Alkalinity Control?

Choosing Alkalinity Control means opting for reliable performance that provides essential pH and alkalinity control for your boiler systems. Its user-friendly liquid formulation simplifies dosing and application, making maintenance straightforward. This cost-effective solution reduces maintenance costs and enhances system efficiency, offering long-term savings.

Invest in Alkalinity Control today to ensure your boiler system operates efficiently and remains protected from corrosion and scale.

Enhance system performance and reliability with our advanced treatment solution.

### Features

**Convenient Liquid Treatment:** Provides the necessary pH alkalinity for effective corrosion and scale control. **Precipitation and Blowdown:** Assists in the removal of magnesium and calcium salts. **Silica Suspension:** Helps keep silica in suspension, preventing scale formation. **Simple Testing:** Easy-to-conduct tests to determine treatment levels. **Versatile Use:** Suitable for boilers of all pressures and can be used as a neutraliser after acid cleaning operations.

### Benefits

**Maintains Efficiency:** Ensures optimal boiler performance by preventing corrosion and scale buildup. **Reduces Maintenance:** Minimises maintenance requirements, leading to lower operating costs. **Enhanced System Protection:** Protects boiler systems from corrosion and scale, extending their lifespan.

## Specification

### General

<b>Invent Hazard Material (IMO/IU) classification</b>	C-9
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### Physical properties

<b>Appearance</b>	Colourless
<b>Density [g/ml]</b>	1,3
<b>Form</b>	Liquid
<b>pH</b>	13 to 14

### Technical data

<b>Not Compatible</b>	Corrosive to aluminium, magnesium, zinc and tin.
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## Documents

[SDoC and MD for IHM](#)

## Directions for use

NALFLEET™ Alkalinity Control provides alkaline conditions in the boiler water for optimum control of corrosion and scale deposition and should be used as part of a multi-product treatment programme.

### Dosing method

For optimum results dose NALFLEET™ Alkalinity Control direct to the boiler with an automatic dosing unit, or via the bypass pot-feeder installed in the boiler feed line.

### Dosage and control

A proper level of treatment is maintained by testing for p-Alkalinity. The level is determined by the pressure and type of boiler. Refer to the dosage table below for correct dose rates. The normal method of raising the alkalinity level is by adding the required quantity of NALFLEET™ Alkalinity Control after testing for p-Alkalinity. 225 ml/ton will raise the p-Alkalinity by 100 ppm.

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.

Dosage of Alkalinity Control in ml/ton boiler volume

<b>* P-Alkalinity Test Result PPM CaCO<sub>3</sub>*</b>							
<b>Pressure Range</b>	<b>0-50</b>	<b>50-100</b>	<b>100-150</b>	<b>150-300</b>	<b>&gt;300</b>	<b>Range P-Alkalinity</b>	<b>Initial Dose ml/Tonne</b>
<18 bar	340ml	225ml	110ml	Satisfactory	Reduce dose rate	150 to 300	450
18 to 31 bar	340ml	225ml	110ml	Satisfactory	Reduce dose rate	150 to 300	450
31 to 42 bar	225ml	110ml	Satisfactory	Reduce dose rate	Reduce dose rate	100 to 150	340
42 to 60 bar	110ml	Satisfactory	Reduce dose rate	Reduce dose rate	Reduce dose rate	50 to 100	170

Proper treatment should normally give a pH between 9.5 and 11. These are recommended values based on experience and are in no way intended to replace the boiler manufacturer's specifications or company regulations.

#### Sampling and testing

A representative sample of boiler water should be drawn for analysis daily. The sample should always be taken from the same point after blowdown, cooled and tested immediately. Follow the WSS Test Kit instructions and log the results in Waterproof. The results should be sent to WSS as stated in the Waterproof instructions. It is important that regular testing is carried out to ensure levels of treatment are correct.

#### Related products

Is frequently bought together with

**680843**

COOLTREAT AL 25 LTR

**571364**

VAPTREAT 25LTR

**571356**

ROCOR NB LIQUID 25 LTR

**735977**

MAR-71 BIOCIDE (BOX: 3x5 LTR)

**638676**

EVAPORATOR DEFOAMER 4X5 LTR

**698720**

AUTOTREAT - 25 LTR

**698712**

OXYGEN SCAVENGER PLUS 25 LTR

**777710**

NALFLEET 2000 25 LTR

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