



ALKALINITY CONTROL™

DESCRIPTION

ALKALINITY CONTROL is a concentrated alkaline solution, designed to regulate boiler water Alkalinity. It prevents corrosion and assists in converting the hard scale deposits to soft, non-adherent sludge, making it easier to remove by bottom blowdown. Furthermore, it is used as a neutralizing agent against other products, acidic by nature.

ADVANTAGES AND CHARACTERISTICS

- Efficient in the prevention of corrosion.
- Ideal for salt-scale control.
- Can be combined with Phosphate.
- Easy to apply and use.
- Achieves optimum results regarding natural oils and fats.

PHYSICAL PROPERTIES

ALKALINITY CONTROL is an exceptionally alkaline solution. This inorganic, non-volatile alkali attacks Aluminum, Zinc, Magnesium and Tin. There is no known effect on rubber and plastic.

When dissolved, with any proportion of water, heat may be released.

Appearance / Color	: Clear, colorless liquid
Specific gravity	: 1.25 gr/cm ³ at 15°C
pH	: 13-14
Odor	: Odorless

PACKAGING

Order Number	: 673001 (30 ltrs)
Container	: Plastic jerrican

APPLICATION AND USE

A. Dosing Procedure

Dosage is proportional to p-Alkalinity and/or pH. A proper level of treatment is maintained by testing for p-Alkalinity. For instance, a 100ml portion of **ALKALINITY CONTROL** in one ton of water raises alkalinity by 50-60ppm as CaCO₃. Initially, use 150ml of **ALKALINITY CONTROL** per ton of water. Note that high-pressure boilers and water boilers should sustain a 100-150ppm as CaCO₃ concentration.

Daily test results should be taken into account prior to regulating treatment by either additional chemical dosage or surface blowdown.

B. Testing Procedure

1. Test water sample from the water boiler as described in the directions of **WT ALKA TEST KIT**.
2. Determine the present alkalinity value expressed as ppm CaCO₃.
3. Consult the test result table, as shown in the **WT ALKA TEST KIT** manual, this will advise on dosage per ton needed, to reach the desired level of 100-150 ppm as CaCO₃.
4. A control test for the alkalinity of the water should be conducted after 3-6 hours from the application.

C. Feeding Procedure

Low-Pressure Boilers (up to 28 bars)

Dissolve the desired volume of **ALKALINITY CONTROL** into 5 litres of feed-water, which should then be passed through the boiler feed water via chemical pump or hot well tank.

High-Pressure Boilers (28 to 60 bars)

Dissolve the desired volume of **ALKALINITY CONTROL** into 5 litres of feed-water, which then should be passed to the stream or water drum through the chemical pump.



SAFETY AND HANDLING

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Possibility of serious damage upon contact. Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek immediate medical attention.
Skin Contact	Possibility of serious damage upon contact. Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek immediate medical attention.
Inhalation	Possibility of serious damage if inhaled Avoid inhalation of vapors. Otherwise, seek fresh air source at once. Seek immediate medical attention.
If swallowed	Possibility of serious damage if swallowed. Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek immediate medical attention.
GENERAL INSTRUCTIONS	Avoid mishandling. Precautionary measures for body protection are strongly recommended before use.

Read the Material Safety Data Sheet before using this product.

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

MARICHEM MARIGASES Worldwide Services or any subsidiary or associated companies warranties of merchantability and competence, if any, along with any expressed warranties concerning this merchandise, shall not be actionable or pertinent or effective if the good is used contrarily or differently to the directions herein and in no other way due to impending hazards from inappropriate use of the good explained herein. Merchandise might vary insubstantially depending on country of origin. The information provided concerning merchandise is exclusively presented to the customer.