

HARDNESS CONTROL

Boiler Water Conditioner Preventing Scale Formation of Calcium and Magnesium Salts

Technical Information

Physical Data

Appearance:	White powder
Flash Point:	None
pH 1%:	8.8
Compatibility:	No known effect
Solubility:	100 g/l

Description

HARDNESS CONTROL is a dry phosphate-based powder used for the reduction of hardness in boiler water systems, and to convert these salts into non-adherent sludge.

Application

The product is formulated to maintain an optimum phosphate level in the boiler. Under these conditions, calcium and magnesium hardness salts cannot be formed, and the precipitant compounds can be easily blown down.

Direction for Use

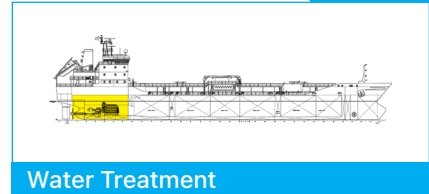
- ▶ HARDNESS CONTROL should be dissolved in hot water (50°C). The solubility of the product is 100 g/litre. Ensure the treatment is fully dissolved.
- ▶ For optimal results, dose HARDNESS CONTROL directly to the boiler via the bypass pot-feeder installed in the boiler water feed line. In low-pressure boilers, HARDNESS CONTROL may be dosed to the hot well (condensate return tank).

Dosage

The initial dosage for untreated water is 100 g of HARDNESS CONTROL per ton of water. Dosage will be increased or reduced in accordance with the results of hardness and phosphates tests. The recommended limits are:

1. Hardness value must be zero.
2. Phosphate value:
 - 10 – 25 ppm for high-pressure boilers
 - 20 – 40 ppm for low-pressure boilers
3. Water tests can be easily conducted with the UNIservice test kit. Consult our water treatment manual for detailed instructions.

USAGE AREAS



PACKAGING



APPROVALS



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Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

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