



WT-PDS-AP-AMERTROL 1100 ODT-R1

Amertrol™ 1100 ODT boiler water treatment

Product Description

Amertrol™ 1100 ODT boiler water treatment is a highly effective multifunctional liquid treatment for boilers. Amertrol 1100 ODT boiler water treatment provides protection against hardness-based scale formation and oxygen- induced corrosion as well as low pH corrosion associated with condensate systems. The combination of components in a single formulation makes Amertrol 1100 ODT boiler water treatment truly a one-drum treatment product.

The phosphate in the product precipitates calcium hardness as a soft, non-adherent sludge. The synthetic polymer in the product further conditions this sludge so that it can be effectively removed through bottom blowdown procedures. The polymer also helps to disperse suspended solids in the bulk boiler water thereby preventing them from adhering to internal heat transfer surfaces.

To prevent oxygen-induced corrosion and pitting, Amertrol 1100 ODT boiler water treatment contains sodium sulfite. The rapid reaction of sulfite with dissolved oxygen has made it an industry standard in the steam generating marketplace.

Corrosion inhibition is also achieved through condensate pH elevation provided by the neutralizing amine in Amertrol 1100 ODT boiler water treatment. In addition, antifoam is present in the product helping to prevent foam-induced carryover.

Product Application

Amertrol 1100 ODT boiler water treatment may be fed neat, directly from the drum or as a dilute solution to the pre-boiler section. Cooled condensate or softened water can be used for dilution, and continuous feeding through a metering pump provides the best control.

Testing and Control

A phosphate residual test is required for dosage regulation and adjustment. Additionally, a sulfite test should be used to check sulfite residuals in the boiler water. The control range for both phosphate (as PO₄) and sulfite (as SO₃) are typically 30-50 ppm in the boiler water. To ensure that the condensate system is adequately protected against low pH corrosion, the pH of the condensate should be checked regularly and is typically controlled in the 7.5 to 8.5 range. Your Solenis representative can provide detailed recommendations on the proper levels to maintain in your system.

Packaging

This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

Important Information

Typical Properties: Refer to the Safety Data Sheet (SDS).

Regulatory Information: Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.