

## **BOILER DEOXY-372** SIMPLICITY LIQUID ULTRA-CONCENTRATED ORGANIC OXYGEN SCAVENGER & CORROSION INHIBITOR





## PRODUCT APPLICATION GUIDE

BOILER DEOXY-372 a concentrated Tannin/Reducing Agent based Oxygen corrosion protection product for Steam Boiler applications.

BOILER DEOXY-372 reduces corrosion from dissolved oxygen entrained in boiler feed water as well as internally to the boiler itself. When maintained in its proper control range BOILER DEOXY-372 alleviates the significant corrosion problems and failures associated with oxygen pitting in boilers. BOILER DEOXY-372 based on world-wide proven tannin & reducing agent chemistries forms a molecular bond with iron to defuse corrosive oxygen from the metal surface.

BOILER DEOXY-372 is a more efficient boiler water treatment unlike Sulfite based treatments because it does not grossly contribute to dissolved solids/conductivity in the operating boiler.

BOILER DEOXY-372 is far more resilient vs. competitive Sulfite based products in that it does not require copious amounts of chemical product – sulfite reactions are 10:1 vs. dissolved oxygen!

BOILER DEOXY-372 does NOT contain any heavy metal catalysts that might precipitate or react in feed water tanks or the boiler.

BOILER DEOXY-372 easily utilized as part of a three part boiler water program in conjunction with BoilerShield-383 & SteamShield-398 or 399.

BOILER DEOXY-372 acceptable for food plant applications as governed either by FDA or USDA. BOILER DEOXY-372 eliminates the handling nuisance encountered with handling the irritating dust from powdered Sulfites. For individuals who may be sensitized and reactive to Sulfite compounds in general, 372 relieves the issue since they never come in contact with the material.

BOILER DEOXY-372 eliminates the potential loss of product content from over mixing powdered Sulfites.

## Application & Control

- Generally, BOILER DEOXY-372 is applied to the storage section of the Deaerator or injected directly into the boiler feed water tank. A good starting point application rate for steam boilers operating at 10 cycles of concentration would be 30 ppm of BOILER DEOXY-372 per 1,000 gallons or 1 pound per 4,000 gallons of make-up water to achieve 300 ppm BOILER DEOXY-372 present in the operating boiler. Residual Tannin/Reducing Agent control in the boiler water is generally 75-150 ppm.
- Product Control accomplished using one of the following: 8559-Total Reducing Agent Control Drop Count Test Kit (1 drop = 10ppm Tannin) or any similar Tannin Test Method along with colorimetric pH testing of condensate return (Phenol or Cresol Red).



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