Water Treatment *Solutions*

SUPERHOT™ COMPLETE

Boiler Treatment

- Controls corrosion, prevents scale and sludge
- Maximizes equipment life, minimizes fuel consumption
- No mixing required

State® Since 1911

CARE FOR WORK ENVIRONMENTS®

SUPERHOT™ COMPLETE

Boiler Treatment

Oxygen pitting is one of the most devastating actions that can occur in steam boilers. Once corrosion starts to occur, it is difficult to stop and will eventually result in failure. The result is costly downtime, and even costlier repair.

Traditionally, oxygen pitting is controlled using an oxygen scavenger, such as sodium sulfite, to chemically remove dissolved oxygen. If all the oxygen is depleted, corrosion cannot occur. In the past, this approach has always worked well since boilers maintain system pressure continuously.

Today, however, boilers are not operated in the same way. Energy concerns have forced operations to cycle boilers "on/off"; this style of operation allows massive amounts of dissolved oxygen to enter the boilers. These high levels of dissolved oxygen can quickly deplete any residual sulfite, leaving the boiler vulnerable to oxygen attack.

SuperHot Complete™, in addition to providing effective scale control, utilizes a unique high-temperature, non-consumable corrosion inhibitor system. This system provides excellent protection against corrosion, regardless of the level of oxygen entering the boiler. As a matter of fact, the inhibitor system actually works with dissolved oxygen to promote corrosion protection.

SuperHot Complete™ is much easier to control and maintain than the conventional sulfite-based scale and corrosion inhibitors. SuperHot Complete will also protect the boiler during the late fall and early spring when low loads cause the boilers to be off-line for long periods of time.

SuperHot Complete is a complete boiler protection system and includes corrosion control, scale control, and steam line protection.

PACKAGING	
129071	260 GL Tote
121347	55 GL Drum
121346	15 GL Drum
121345	5 GL Pail

DIRECTIONS FOR USE:
Please review label and SDS for all product directions, precautions, and first aid information.

SuperHot Complete should be fed to the feed water tank or condensate receiver directly from the shipping container. No product dilution or mixing is required.

Feed SuperHot Complete to the feed water at a rate of 2.0 - 2.5 gallons per 1,000 gallons of boiler blowdown water. Maintain sodium molybdate at 80 - 160 ppm and condensate pH levels >8.0.

Perform bottom blowdown at specified periods to remove solids accumulation. System TDS levels are determined by the quality of the fresh water make-up available. Your State Industrial Products representative will review the water conditions for the boiler system and recommend a TDS for your system.

SuperHot Complete is a complete boiler program. No additional oxygen scavenger products are required.

Do not use sodium sulfite or metabisulfite products with SuperHot Complete.

SuperHot Complete should be added with a pump and controller similar to the State Industrial Products boiler controller. For systems with high-condensate return and low fresh water make-up requirements, a pump and timer system can be used.

For best results, it is recommended that the make-up water to the boiler system be softened.

TECHNICAL DATA:
APPEARANCE: clear, light amber liquid
ODOR: amine
DENSITY: 9.09 lb/gal
SPECIFIC GRAVITY: 1.09
pH: >13.0

PRODUCT TESTING AND CONTROL:
MOLYBDENUM TEST RANGE: 80-160 ppm
HYDROXIDE ALKALINITY: >200 ppm as OH
P-ALKALINITY: 300-500 ppm
TOTAL ALKALINITY: 700 ppm max

State® Since 1911

State Industrial Products
5915 Landerbrook Drive
Mayfield Heights, OH 44124
To Order Call: 1-866-747-2229
www.stateindustrial.com

Canada
6935 Davand Drive
Mississauga, Ontario L5T 1L5
To Order Call: 1-800-668-6513

Puerto Rico
Royal Industrial Park, Bldg "M"
Local #5, Carr 869, km 1.5 Palmas
Cataño, P.R. 00962
To Order Call: 787-275-3185

32R03
LIT800306