



# Product Data Sheet STEAM BOILER TREATMENT BT-4440

## DESCRIPTION

BT-4440 is a liquid, catalyzed sodium sulfite-type oxygen scavenger for use in steam and high temperature hot water boilers. Its rate of reaction is 20 to 500 times faster than that of commercial sulfites. Its convenient liquid form eliminates mixing and stirring; and simplifies feeding. This product is an effective reducing agent for all levels of oxygen in all boiler feed waters. It also dechlorinates process waters.

## APPLICATION

BT-4440 should be applied as early in the system as possible, following any mechanical deaeration available. The product must be fed continuously to the boiler feedwater or process steam to provide proportional treatment.

## PHYSICAL PROPERTIES

Color & form .....Pink liquid  
Specific Gravity ..... 1.17  
pH..... 7.0  
Density .....9.75 lbs./gallon  
Odor ..... Sulfite

## DOSAGE & FEEDING

BT-4440 should be applied at 40 to 42 ppm per ppm of oxygen to be removed, plus enough to result in a control level,

or residual, for testing and control of the program. For dilution feeding of BT-4440, use the best available quality water under 100°F. The use of a chemical metering pump to feed neat, directly from the shipping container is preferred.

Since BT-4440 has a neutral pH, it is non-corrosive. It can therefore be fed through a variety of metallurgy's, although polyethylene or stainless steel is always preferable.

## HANDLING & PRECAUTIONS

BT-4440 is mildly irritating to skin, eyes, nose and throat. Avoid excessive breathing of vapors. In case of body contact, flush with water. If eyes are affected, flush well with water and obtain medical attention. Keep container closed when not in use.

Suggested in-plant storage is 6 months.

Refer to the Material Safety Data Sheet for additional safe handling information.

## PACKAGING

BT-4440 is available in:  
5-gallon pails ..... net wt. 45 lbs.  
30-gallon drums ..... net wt. 285 lbs.  
55-gallon drums ..... net wt. 550 lbs.