



BOILER WATER TREATMENT BT-4450

DESCRIPTION

BT-4450 is a liquid, neutral pH 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 boilers feed waters. It also can be used to dechlorinate process waters.

APPLICATION

BT-4450 should be applied as early in the system as possible, following any mechanical deaeration available. The product must be fed continuously to the boiler feed-water or process steam to provide proportional treatment.

PHYSICAL PROPERTIES

Color & form Clear, light pink liquid
Specific Gravity 1.262
pH..... 6.13
Density 10.52 lbs./gallon
Odor Sulfite

DOSAGE & FEEDING

BT-4450 should be applied at 26 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-4450, 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-4450 has a neutral pH, it is non-corrosive. It can therefore be fed through a variety of metallurgies, although polyethylene or stainless steel is always preferable.

HANDLING & PRECAUTIONS

BT-4450 is mildly irritating to skin, eyes, nose and throat. Avoid excessive breathing of vapors. In case of body contract, 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-4450 is packaged in:

5-gallon pails	net weight 50 lbs.
30-gallon drums	net weight 310 lbs.
55-gallon drums	net weight 590 lbs.