

WATER TREATMENT *Solutions*



BT-77 Boiler Treatment

- Preventive scale and corrosion action in steam boilers
- Sludge polymeric treatment
- Contains oxygen scavengers to prevent metal pitting
- CFIA certified to use in steam generation systems of processing food plant



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CARE FOR WORK ENVIRONMENTS[®]

BT-77

Boiler Treatment

BT-77 is a combination of powerful scale and corrosion inhibitors in conjunction with an oxygen scavenger to provide a complete steam boiler program. This unique combination of oxygen scavenger, phosphate and polymer-based inhibitors prevents scale and promotes the formation of light, fluffy sludge that can be easily removed from the boiler system through regular bottom blow down. BT-77 prevents energy-robbing scale and reduces sludge, allowing for efficient fuel usage to minimize your energy costs. The oxygen scavenger in BT-77 controls damaging oxygen corrosion common in steam boiler systems. The BT-77 corrosion control program protects your steam system investment and maximizes the life of your equipment. BT-77 Stop is certified through NSF and CFIA for treating boilers or steam lines (G6) where steam produced may contact edible products.

DIRECTIONS FOR USE

Use sufficient BT-77 to achieve an ortho phosphate level of 30 - 60 ppm, and a sulfite test level of 30 - 60 ppm. Additional Sulfite treatment is required for low feed water tank temperature. Product should be added to the feed water tank for best results. No product mixing or dilution is needed, however, a day tank dilution system can be used if desired. Use the State Water Treatment test kit #113721 to test for product and boiler conditions. To measure ortho phosphate in the steam boiler use State Test Kit #124663. If the above tests are out of range on the low end, increase product usage. Perform bottom blow down at specified periods to remove solids accumulations. System TDS levels are determined by the quality of the fresh make-up water available. Generally, TDS levels should be maintained below 3500 ppm. Your State Chemical representative will review the water conditions for the boiler system and recommend a TDS limit for your system.

SULFITE TEST RANGE: 30-60 ppm
BOILER WATER TDS: 3500 ppm
Max HYDROXIDE ALKALINITY: >200 ppm
OH P-ALKALINITY: 300-600 ppm
TOTAL ALKALINITY: 700-ppm max
ORTHO PHOSPHATE RANGE: 30 - 60 ppm

TECHNICAL DATA:

SPECIFIC GRAVITY: 1.11
DENSITY: 9.26 lbs./gal
pH: 10.0+/- 1.0
CONTROLS: 30-60 ppm of phosphate
APPEARANCE: brown liquid

PACKAGING

102458	51 GL Drum
102459	20 GL Drum



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

