



# Product Data Sheet BOILER SYSTEM TREATMENT BT-4100

## DESCRIPTION

BT-4100 is a liquid formulation of polymeric dispersants and conditioning agents used to inhibit scale and corrosion in boiler water systems. Its complex nature maintains suspended particulates as a large, light floc to ensure removal through normal blowdown.

## APPLICATION

BT-4100 is used to control iron deposition in systems where the feedwater iron levels cannot be controlled. Also, it is used to inhibit phosphate deposition and deposition due to hardwater intrusion or makeup to the boiler feedwater system. It is compatible with other boiler water chemicals when used at the recommended level. This product is authorized by USDA: Boiler steam produced may contact edible products.

## PHYSICAL PROPERTIES

Color..... Dark amber liquid  
Specific Gravity ..... 1.190  
Density ..... 9.92 lbs./gal.  
pH..... 13.5  
Odor ..... Slight ammonia

## DOSAGE & FEEDING

BT-4100 is fed continuously, using a chemical feeding pump, to the boiler feedwater at 5 to 30 parts per million based on operational parameters and corrosion load. Proper treatment levels should be determined by your Clear Water Technologies representative.

## HANDLING & PRECAUTIONS

BT-4100 is an alkaline formulation and should be handled as such. Do not use in potable water systems. Keep container closed when not in use.

Avoid contact with eyes, skin, and clothing. Flush eyes and skin with large quantities of water in case of contact. Obtain medical attention for eyes. Refer to *Material Safety Data Sheet* for additional safe handling information.

## PACKAGING

BT-4100 liquid is available in:

5-gallon pails ..... net wt. 45 lbs.  
30-gallon drums ..... net wt. 295 lbs.  
55-gallon drums ..... net wt. 560 lbs.  
275-gallon totes..... net wt. 2580 lbs.  
BLK