

Technical Data Sheet

B-442F BOILER SCALE AND CORROSION INHIBITOR

GENERAL DESCRIPTION:

B-442F is an effective boiler scale and corrosion inhibitor and is approved for use where steam contact with food occurs. Use B-442F with a conductivity control system, water softener and blowdown to maintain boilers free of scale and corrosion. Use B-442F with B-542 oxygen scavenger and B-9A neutralizing amine to protect the complete system. Suggested maximum boiler pressure is 900 psig.

PHYSICAL PROPERTIES:

Appearance (concentrate)..... Water White Liquid
Solubility Complete in Water
Specific gravity..... 1.125
Density..... 9.37 lbs/gal

FEEDING: B-442F should be feed via a metering pump into the boiler feed water after the deaerator. Dose boiler feed water at an initial rate of 180 ppm. Adjust the feed as needed to maintain the phosphonate level in the boiler water at 6-10 ppm range as measured using the BWI microwave test. Maintain the boiler water within the following parameters:

Conductivity	<3500 μ S
P-Alkalinity	300-600 ppm
Silica	<150 ppm
Phosphonate	6-10 ppm
Sulfite	20-50 ppm
Hardness	0 ppm

SAFETY AND HANDLING:

Please refer to Material Safety Data Sheet for further safety information. Wear protective gloves, apron and goggles when handling.

PACKAGING:

B-442F is available primarily in 30 and 55-gallon natural poly drums. Other sizes are available upon request. F.O.B. shipping point.

STORAGE INSTRUCTIONS: Store at room temperature - keep from freezing.