

BOILER AID 386X

LIQUID ULTRA-CONCENTRATED HUMIDIFICATION BOILER WATER TREATMENT



PRODUCT APPLICATION GUIDE

BOILER AID 386X a 90% active Ultra-Concentrated Tannin/Reducing Agent based Humidification or similar Steam Boiler Treatment where NO amine compounds are required!

BOILER AID 386X reduces corrosion from dissolved oxygen entrained in boiler feed water. When maintained in its proper control range BOILER AID-386 alleviates the significant corrosion problems and failures associated with oxygen pitting in boilers. BOILER AID-386 based on world-wide proven tannin & reducing agent chemistries forms a molecular bond with iron to defuse corrosive oxygen from the metal surface.

BOILER AID 386X is a more efficient boiler water treatment unlike Sulfite based treatments because it does not grossly contribute to dissolved solids/conductivity in the operating boiler.

BOILER AID 386X is far more resilient vs. competitive Sulfite based products in that it does not require copious amounts of chemical product – sulfite reactions are 10:1 vs. dissolved oxygen!

BOILER AID 386X contains polymeric anti-scalants & dispersants to control hardness scaling potential. Soft water make-up and high quality condensate are always preferable but when there is hardness leakage to the boiler, BOILER AID-386X will prevent short-term build-up of heat transfer robbing Calcium salts.

BOILER AID 386X will disperse accumulated particulate scaling salts in boiler. BOILER AID-386 has the ability to disperse and remove Phosphate, Sulfate and Iron Oxide corrosion deposits that may form or have accumulated in the lower flow areas of the boiler.

BOILER AID 386X does NOT contain any volatile neutralizing amine components to reduce condensate and steam line corrosion. SteamShield-398 or SteamShield-399 could be applied as separate feed components.

BOILER AID 386X acceptable for Food, Drug & Cosmetic plant applications as governed by FDA.

BOILER AID 386X eliminates the handling nuisance encountered with handling the irritating dust from powdered Sulfites. For individuals who may be sensitized and reactive to Sulfite compounds in general, BOILER AID-386X relieves the issue since they never come in contact with the material.

Application & Control

- Generally, BOILER AID-386X is applied to the storage section of the De-aerator or injected directly into the boiler feed water tank (below the water line). A good starting point application rate for steam boilers operating at 10 cycles of concentration would be 35 ppm of BOILER AID-386 per 1,000 gallons or 1.1 pound per 4,000 gallons of make-up water to achieve 350 ppm BOILER AID-386 present in the operating boiler. Residual Tannin control in the boiler water is generally 75-150 ppm. "P" Alkalinity values of 300 ppm or more and/or minimum Free Hydroxide "OH" values of 200 ppm maintained in the boiler water. Condensate return pH control of 7.5-9.0.
- Product Control accomplished using one of the following: 8559-Total Reducing Agent Control Drop Count Test Kit (1 drop = 10ppm Tannin) or any similar Reducing Agent Test Method.

PHYSICAL PROPERTIES:

Color/Form: Amber Liquid
Odor: Characteristic
Density: 1.15+/-
pH of 1% Solution = <12
Freeze Point: <32F+/-
Freeze/Thaw: Full Recovery

GHS CODE: Corrosive



DOT Class:



ChemREADY, a Division of Zinkan Enterprises, Inc.

1919 Case Parkway North, Twinsburg, OH 44087

P 800-229-6801 F 330-425-8202 W www.GetChemREADY.com