

ZI-CHEM 125A

Steam Boiler Corrosion Inhibitor

HIGHLIGHTS

ZI-CHEM 125A is an organic non volatile corrosion inhibitor that is an essential component of the ZI-TECHASIA maintenance protection program of the boiler and after boiler systems.

ZI-CHEM 125A is a multi-use liquid treatment based on food grade erythorbate technology formulated to chemically remove oxygen and form a passivating film on metal surfaces in feedwater, boiler water and condensate in steam generating systems. It is also used in hot water and hydrostatic sterilizer systems, rotary cookers and still retorts.

TYPICAL PROPERTIES

- Appearance: Clear off-white to pale yellow liquid
- Specific gravity: 1.0 – 1.2
- pH (neat) 7.0 – 7.5
- Freeze point 0°C
- Flash point (PMCC) None

PRIMARY APPLICATIONS

The primary feed point for steam boilers is continuous to the deaerator storage vessel via stainless steel injection quill. Alternate location is the feedwater line.

FEEDING & CONTROL

ZI-CHEM 125A should be injected to boiler or pre-boiler added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon and stainless steel.

The dosage will depend on the operating conditions and the chemistry of the water being treated. The normal dosage of treatment is regulated to maintain a residual in the feedwater, boiler or condensate.

Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

APPROVAL

FDA acceptable in accordance with 21 CFR Section 182.3041- Substances Generally Recognized As Safe.

THE BENEFITS

- Avoid unscheduled shutdown due to corrosion problem in the boiler, steam and condensate systems.
- Extended equipment life.
- Suitable for food industries
- Easy handling due to its liquid form

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Pharmaceutical
- Food Industries
- Pulp & Paper processing
- Timber processing

PACKAGING

- 25kg pails
- 200kg drums
- 1,000kg IBC containers

HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

