

ZI-CHEM 1270 Steam Boiler Corrosion Inhibitor

HIGHLIGHTS

ZI-CHEM 1270 corrosion inhibitor is an essential component of the ZI-TECHASIA maintenance protection program of the boiler and after boiler systems.

This product a blend of 15% hydrazine and organic catalyst to increase reaction rates, particularly in the low temperature parts of the steam generating system. This product is formulated to chemically remove oxygen from feedwater, boiler water, and condensate system.

TYPICAL PROPERTIES

- Appearance: Clear colourless to light amber liquid
- Specific gravity: 1.0 – 1.2
- pH (neat) 10.5 – 12.5
- Flash point 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 1270 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 an excess of 0.05 – 0.5 mg/L of hydrazine as N₂H₄ in the feed water.

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

THE BENEFITS

- Avoid unscheduled shutdown due to corrosion problem in the boiler, steam and condensate systems.
- Extended equipment life.
- Provide corrosion protection to the after boiler sections of the system.
- Easy handling due to its liquid form

COMMON APPLICATIONS

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

PACKAGING

- 25L pails
- 220L drums
- 1,000L IBC's or in bulk

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.

