

ZI-CHEM 14B0 Steam Boiler Corrosion Control

HIGHLIGHTS

ZI-CHEM 14B0 liquid corrosion inhibitor is an amine based solution. It is used to raise the pH in high purity boiler water.

This is an essential component of the ZI-TECHASIA boiler plant preventative maintenance program to prolong the life of the boiler plant by minimizing corrosion thereby prolonging plant life and reducing maintenance costs.

TYPICAL PROPERTIES

- Appearance: Clear colorless liquid
- Specific gravity: 1.00 – 1.10
- pH (neat) 12.0 – 13.0
- Freeze point -40°C
- Flash point (TCC) 96°C

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 14B0 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 can be refer to below tabel; pH Adjustment by Amines: Amine Concentration vs. pH

pH	MEA	pH	MEA
7.0	0.0	9.0	0.80
7.2	0.01	9.2	1.45
7.4	0.01	9.4	2.73
7.6	0.02	9.6	5.45
7.8	0.04	9.8	11.44
8.0	0.06	10.0	25.16
8.2	0.10	10.2	57.55
8.4	0.16	10.4	135.6
8.6	0.27	10.6	326.4
8.8	0.46	10.8	797.38

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 systems.
- Extended equipment life.
- Easy handling due to its liquid form

COMMON APPLICATIONS

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

PACKAGING

- 25L pails
- 220L drums
- 1,000L 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.

