

ZI-CHEM 3100

Closed Cooling Water Corrosion Control

HIGHLIGHTS

ZI-CHEM 3100 is an essential component of the ZI-TECHASIA plant preventative maintenance management program in closed circuit cooling water systems.

ZI-CHEM 3100 is effective against corrosion by oxygen, carbon dioxide, and hydrogen sulfide. This formulation is non-foaming and performs well in calcium chloride, sodium chloride and potassium chloride brines. In many applications, it is designed as a component of a multi-component program designed to provide comprehensive control of corrosion.

TYPICAL PROPERTIES

- Appearance: Dark brown clear liquid
- Specific gravity: 1.25 – 1.50
- pH (10% solution) 2.5 – 5.0
- Solubility in water 100%
- Melting point: -5oC

PRIMARY APPLICATIONS

This product is added to achieve and maintain nitrite levels to the target range within the system being treated. A large single dose will be required when the system is first filled. Further doses will only be required if there are water losses from the circuit and the water is required to be topped up.

FEEDING & CONTROL

ZI-CHEM 3100 can be added to the makeup tank, bypass feeder, or chemical injection pump. Recommended chemical pump materials include PVC, polypropylene, Viton, Teflon and stainless steel.

The dosage will depend on the operating conditions and the chemistry of the water being treated. Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

THE BENEFITS

- Improved heat transfer capacity
- Extended equipment life
- Reduced maintenance cost
- Avoid unscheduled downtime

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Power generating facility
- Tire & Rubber manufacturing
- Commercial & Institutional Building
- Food Industries

PACKAGING

- 25kg open top buckets with lid
- 25kg nylon bags

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.

