

ZI-CHEM 25E0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 25E0 is a single-feed, stabilized bromine-based biocide for industrial water treatment applications. Product halogen activity is approximately 7% as Br₂.

In aqueous systems, this solution is effective in controlling algae, bacteria, and fungi, and can minimize the formation of troublesome slimes.

Systems where this chemistry is most effective include: recirculating cooling tower systems, food industry & brewery pasteurizers, once through seawater cooling systems, air washers, pulp & paper mills, wastewater treatment systems.

The activity of hypobromous acid is not affected by pH as much as chlorine-based biocide treatments, however its performance is maximized if the pH of the water is maintained below pH 8.0.

TYPICAL PROPERTIES

- Appearance: Clear yellow to amber liquid
- Specific gravity: 1.2 – 1.4
- pH (neat) 12.0 – 14.0
- Freeze point: -8°C
- Flash point: None

PRIMARY APPLICATIONS

ZI-CHEM 25E0 is fed directly to the cooling tower basin or upstream of target treatment area. 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.

FEEDING & CONTROL

ZI-CHEM 25E0 should be fed directly from the container it is supplied in using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon.

THE BENEFITS

- Improved heat transfer capacity
- Extended equipment life
- Prevent water borne life taking diseases such as legionella disease
- Avoid unscheduled downtime

COMMON APPLICATIONS

- Metals smelting
- Packaging facilities
- Power generating facility
- Pulp & Paper processing
- Automotive
- Petrochemical Plant

PACKAGING

- 30kg pails
- 240kg drums
- 1,200kg IBC's or in bulk

HANDLING & SAFETY

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

