

ZI-CHEM 24B0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 24B0 is a highly effective multi-functional micro-biocide for controlling bacteria in many industrial applications. This includes air washers, industrial scrubbing systems, recirculating cooling, heat transfer systems, process water, food processing applications including pasteurizers and bottle warmers, sugar mill processes, water based coatings, pulp and paper process, lubricants and metal working fluids, reverse osmosis membranes and wastewater including sludge holding tanks.

Many organisms are effectively controlled including slime-forming bacteria, sulphate reducing bacteria, fungi, yeast, and algae that may grow in wetted areas that are exposed to sunlight.

ZI-CHEM 24B0 exhibits inherent surfactant abilities, enabling the penetration and dispersion of slime and organic films. This enhances the performance of the biocide to address longer term fouling caused by microbiological biofilm.

TYPICAL PROPERTIES

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|---------------------|-----------------------------|
| • Appearance: | Colourless to yellow liquid |
| • Odour: | Aldehyde sharp |
| • Specific gravity: | 1.000 – 1.050 |
| • pH | 3.0 – 5.0 |
| • Boiling point | 101°C |

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 24B0 will depend on the specific application and a number of factors including microbiological contamination, degree of fouling, volume and makeup capacity of the system being treated, and associated retention time.

Actual dose will depend on the conditions and the results required. Specific recommendations will be provided by your ZI-TECHASIA technical representative.

FEEDING & CONTROL

Intermittent or slug dosing can be achieved by adding ZI-CHEM 24B0 at a rate of 100 – 200 mg/L based on system volume for initial dose, and 40 – 100mg/L for subsequent slug doses. A corrosion resistant chemical metering pump will provide best results for automatic chemical feed.

THE BENEFITS

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

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Power generating facility
- Petrochemical plant
- Pulp & Paper processing
- Geothermal plant

PACKAGING

- 25kg pails
- 200kg drums
- 1,000kg 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.

