

ZI-CHEM 24A0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 24A0 is a highly effective micro-biocide specifically designed to target the control of most common forms of algae that can often proliferate in dams, ponds, tanks air washers, industrial recirculation water cooling systems, water scrubbing systems, and process water.

Algae normally grow when water and/or submerged surfaces are exposed to direct sunlight. Many other biocides are less effective under these conditions.

In many cases, ZI-CHEM 24A0 is used in conjunction with other micro-biocide products to achieve comprehensive microbiological control of all microorganisms including slime-forming bacteria, sulphate reducing bacteria, fungi and yeast.

TYPICAL PROPERTIES

- Appearance: Clear blue solution
- Specific gravity: 1.1 – 1.2
- pH (neat) 1.5 – 3.5
- Boiling point: 100°C

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 24A0 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 24A0 at a rate of 10 - 25 mg/L based on system volume for initial dose, and 5 – 20mg/L for subsequent slug doses.

If a chemical metering pump is used, ZI-CHEM 24A0 should be added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon and stainless steel.

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.

