

ZI-CHEM 24F0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 24F0 is a highly effective broad spectrum micro-biocide for controlling bacteria in many industrial applications. This includes air washers, industrial scrubbing systems, recirculating cooling, heat transfer systems, process waters, decorative fountains.

Many organisms are effectively controlled including algae that may grow in wetted areas that are exposed to sunlight. This “third” generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

ZI-CHEM 24F0 also exhibits a lower foaming tendency compared to other similar biocides which minimizes potential disruption in certain recirculating industrial applications.

TYPICAL PROPERTIES

- Appearance: Clear colorless liquid
- Odor: Ethanol like
- Specific gravity: 0.9 – 1.0
- pH (10%): 6.0 – 9.0
- Freezing point: -20 °C

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 24F0 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 24F0 at a rate of 12 – 18 fluid ounce per 1000 gallon of system volume for initial dose, and 6 – 9 fluid ounce per 1000 gallon of system volume for subsequent slug doses. A corrosion resistant chemical metering pump will provide best results.

APPROVAL

FDA acceptable in accordance with 21 CFR Section 178.1010 for use as no rinse, food contact sanitizers at 150 ppm active.

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.

