

ZI-CHEM 24J0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 24J0 is a broad-spectrum micro-biocide containing the active substance tetrakis (hydroxymethyl) phosphonium sulfate for controlling algae, bacteria and fungi in many industrial applications. This includes in the holding and processing tanks of industrial fresh-water systems, in water for pulp and paper mills, textile mills, in air-washer systems that have mist eliminating components, for use as a slimicide in the manufacture of paper and paperboard products and adhesives that do not come into contact with food, for use as a preservative to retard microbial growth in nonfood-contact, water-based coatings, starches, pigments, and filler slurries.

ZI-CHEM 24J0 is also effective in controlling sulfate-reducing bacteria and general aerobic bacteria, including microorganisms that contribute to biofilm formation in oil-field recovery, processing, and distribution applications and supporting systems.

TYPICAL PROPERTIES

- Appearance: Clear Colorless to Pale Yellow Liquid
- Specific gravity: 1.3 – 1.4
- pH: 3.0 – 5.0
- Flash point: > 96.1°C

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 24J0 will depend on the specific application and several 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 24J0 at a rate of 100 - 350 mg/L based on system volume for initial dose, and 35 – 150 mg/L for subsequent slug doses. A corrosion resistant chemical metering pump will provide best results.

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
- Pulp & Paper processing
- Petrochemical plant
- Geothermal plant

PACKAGING

- 30kg pails
- 250kg drums
- 1,250kg 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.

