

ZI-CHEM 24D0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 24D0 is a highly effective specialized algaecide for use in industrial cooling and ornamental water systems.

ZI-CHEM 24D0 is a dilute, that when used synergistically with biocides such as bromine based, provides:

- 8-times better algal inhibition than non-oxidizing biocides such as glutaraldehyde or DBNPA
- Selective control of all algal growth by inhibiting photosynthesis
- Elimination of many of the problems caused by unchecked algal growth (i.e. – loss of cooling efficiency, increased corrosion, blockages and unsightly visible contamination).
- Cost effective and prolonged protection against all identified strains of algae, even at low halogen levels.

TYPICAL PROPERTIES

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|---------------------|----------------------|
| • Appearance: | Off-white suspension |
| • Specific gravity: | 0.95-1.05 |
| • pH neat | 6.0 – 9.0 |
| • Viscosity | 400 – 1000 cPs |
| • Boiling point | 159 - 165 °C |

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 24D0 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

The desired dose rate of ZI-CHEM 24D0 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. The performance of ZI-CHEM 24D0 is improved if a halogen residual is present at the time of the dosing. Most effective results are achieved 2 weeks after commencing the addition program.

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.

