

ZI-CHEM 25A0

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 25A0 is an aqueous solution containing 5% stabilized solution of the high efficiency biocidal chlorine dioxide,

This product has a wide range of uses in many applications as a disinfectant, biocidal, and high efficiency chemical oxidant. It maintains 100% performance at all pH levels, and also does not degrade in the presence of organic contamination like other oxidising biocides.

Some examples of industrial applications where this can be used include:

- Microbiological slime control in open evaporative cooling systems
- Mollusc & mussel control in once through seawater cooling systems
- Disinfection of waste water before discharge
- Destruction of phenol contaminants in wastewater prior to discharge
- Precipitation of iron, manganese and sulphides in well water or waste water

TYPICAL PROPERTIES

- | | |
|---------------------|------------------------------|
| • Appearance: | Clear slightly yellow liquid |
| • Specific gravity: | 1.1 – 1.3 |
| • pH (1%) | 11.5 – 12.5 |
| • Crystallization | -7°C |
| • Odour | Faint chlorine |

PRIMARY APPLICATIONS

ZI-CHEM 25A0 can be used directly from the pail or drum to the plant application. Alternatively enhanced results can be achieved by reacting with an acidifying c-reactant in a ZI-OX generator. The dosage will depend on the operating conditions and the chemistry of the water being treated.

FEEDING & CONTROL

ZI-CHEM 25A0 should be fed directly from the container it is supplied in using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, viton, Teflon. Control can be manual mass balance dose with manual free residual chlorine dioxide check, automatic programmable timer, or online ORP controller.

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.

