

ZI-CHEM 2310

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 2310 is a solution of hydrochloric acid used as a co-reactant in the ZI-OX on-site oxidizing biocide generator for the high efficiency generation of chlorine dioxide biocides.

This product has a wide range of uses in many applications as a disinfectant, biocides, 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 oxidizing 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: | Colourless light yellow liquid |
| • Specific gravity: | 1.2 – 1.3 |
| • pH (1%) | < 1.0 |
| • Freeze point: | -20 °C |
| • Odour | Sharp, pungent, Irritating |

PRIMARY APPLICATIONS

ZI-CHEM 2310 is fed inline with other chemicals and used by the ZI-OX generator to rapidly form a concentrated solution of chlorine dioxide.

FEEDING & CONTROL

ZI-CHEM 22G0 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 dosage will depend on the operating conditions and the chemistry of the water being treated. Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

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
- Food industries
- Petrochemical plant

PACKAGING

- 28kg pails
- 220kg drums
- 1,100kg 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.

