

## ZI-CHEM 21C0 Cooling Water Antifoulant

### HIGHLIGHTS

ZI-CHEM 21C0 is a concentrated organic polymeric dispersants for inhibition of calcium phosphate, zinc and iron deposits in heat exchangers and other water using equipment.

ZI-CHEM 21C0 is highly effective in stressed systems and is designed as an important support component of the ZI-TECHASIA plant efficiency management program in water systems.

ZI-CHEM 21C0 is a designed to function in high and low temperature applications and a wide variety of water conditions maintaining optimum efficiency of water using heat exchangers, pipelines and other process applications.

This product has been developed specifically to inhibit the formation of calcium phosphate based scale. As such, it is an important adjunct to any phosphate-based corrosion control program.

### TYPICAL PROPERTIES

- Appearance: Clear to Slightly Hazy Colorless to Pale Yellow Liquid
- Specific gravity: 1.1 – 1.2
- pH (neat) 4.0 – 4.5
- Flash point: None
- Freeze point: 0°C

### PRIMARY APPLICATIONS

The primary feed points for cooling towers is continuous to the cooling tower basin added in proportion to the makeup water. Other applications require continuous addition upstream of primary scale deposition areas.

### FEEDING & CONTROL

ZI-CHEM 21C0 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 specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

### THE BENEFITS

- Improved heat transfer capacity
- Extended equipment life
- Reduced water costs
- Avoid unscheduled downtime

### COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Power generating facility
- Pharmaceutical
- Pulp & Paper processing
- Petrochemical 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.

