

ZI-CHEM 21E0 Cooling Water Scale Inhibitor

HIGHLIGHTS

ZI-CHEM 21E0 antifoulant is designed as an important support component of the ZI-TECHASIA plant efficiency management program in water systems.

ZI-CHEM 21E0 is a concentrated blend of organic terpolymeric dispersant and organophosphorous compounds 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 enhance the performance of zinc based corrosion inhibitors by extending solubility and improving surface contact.

TYPICAL PROPERTIES

- Appearance: Clear amber-coloured aqueous liquid
- Specific gravity: 1.1 – 1.2
- pH (neat) 4.0 – 5.0
- 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 21E0 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
- Reduced water costs
- Avoid unscheduled downtime

COMMON APPLICATIONS

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

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.

