Product Technical Data

ZI-CHEM

ZI-CHEM 21A0
Cooling Water Deposit Control

HIGHLIGHTS

ZI-CHEM 21A0 antifoulant is designed as a primary component of the ZI-TECHASIA plant efficiency management program in water systems.

ZI-CHEM 21A0 is designed to maintain heat transfer surfaces and recirculating water pipes clean and free of scale deposition. This is one of the highest performing products available today and is capable of operating in a wide variety of conditions including very high temperature, alkalinity and pH.

This product has been developed specifically to inhibit the formation of calcium carbonate and other calcium based scale deposits.

TYPICAL PROPERTIES

- Appearance: Clear to pale yellow liquid
- Specific gravity: 1.2 – 1.4
- pH (neat) 1.5 – 2.5
- Freeze point: 0℃
- Viscosity @20℃ 50 cps

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 21A0 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, and the nature and extent of the scale deposition present.

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
- Petrochemical plant

PACKAGING

- 30kg pails
- 220kg drums
- 1,200kg 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.

ISO 9001:2008 Certificate No.SG12/04040 ISO 14001:2004 Certificate No.SG12/04041

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