

ZI-CHEM 2610

Cooling Water Suspended Solids Dispersant

HIGHLIGHTS

ZI-CHEM 2610 is a non-ionic, organic penetrating and dispersant agent used to disperse oil, silt, clay, and biological material in many industrial water systems, from heavy industrial, petrochemical to food processing.

ZI-CHEM 2610 is particularly effective when used in conjunction with a micro biocide to control biofilm and microbiological growth. It can be used to reduce fouling in critical areas of water using plant including cooling water systems, or in heated water systems up to (150°C). By reducing surface tension ZI-CHEM 2610 also exhibits antifoam properties.

TYPICAL PROPERTIES

- Appearance: Clear colorless liquid
- Specific gravity: 1.0 – 1.2
- pH (neat) 4.5 – 7.5
- Freeze point: 0°C
- Flash point: None

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 2610 will depend on the degree of fouling. Light fouling can be easily controlled at 1 – 2 mg/L, while in extreme circumstances, up to 50mg/L may be required. Short term on-line cleaning can be facilitated at dose rates up to 5,000 mg/L. Actual dose will depend on the conditions and the results required.

FEEDING & CONTROL

ZI-CHEM 2610 can be either fed continually or slug dosed periodically to recirculating or once through water systems. It should be added to a point of good agitation (e.g.: circulating pump). Optimum results can be achieved if addition point is just upstream of critical areas. A corrosion resistant chemical metering pump will provide best result for reliable addition.

PRODUCT REGISTRATION

ZI-CHEM 2610 is registered to the NSF Nonfood Compounds Registration Program under Category Code G5 (Cooling and retort water treatment products – all food processing areas).

THE BENEFITS

- Cleaner, more efficient heat transfer
- Reduces maintenance cost
- Extended equipment life
- Avoid unscheduled downtime

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Power generation facility
- Tire & Rubber manufacturing
- Cement manufacturing
- 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.

