

ZI-CHEM 8211

Chemical Cleaning Corrosion Inhibitor

HIGHLIGHTS

ZI-CHEM 8211 is an inhibited citric acid based powder cleaner specifically designed for the removal of iron-based deposits from industrial water systems. This acts as a chelating/sequestering agent which selectively acts on deposits of iron, copper, calcium and magnesium.

ZI-CHEM 8211 can also be used as an on-line cleaner for cooling systems experiencing high iron levels in the make-up or recirculating water.

ZI-CHEM 8211 is less aggressive than mineral acids such as hydrochloric acid or sulphuric acid. In contrast to hydrochloric acid, ZI-CHEM 8211 can be dissolved and diluted without danger of violent spattering and "bumping". ZI-CHEM 8211 can be measured, weighed and transferred in small quantities with no risk to personnel from splashing or spillage as with a liquid.

TYPICAL PROPERTIES

- Appearance: White crystalline solid
- Density: 1.5 – 1.7
- pH: Not available
- Boiling point: N/A

PRIMARY APPLICATIONS

The dosage rate for ZI-CHEM 8211 will be based on the amount of deposit to be removed and the size of the system. Normal use concentration is 1 to 10% concentration of the recirculating water. Your ZI-TECHASIA technical field representative will determine the correct feed rate for your conditions.

FEEDING & CONTROL

ZI-CHEM 8211 can be added directly to a balance tank constructed of polyethylene or similar resistant material and containing ambient temperature water. It is preferable that a mechanical agitator be used to assist with dissolution of the product. Please refer to the procedure specific for your application provided by your ZI-TECHASIA technical field representative.

THE BENEFITS

- Easily removes iron based deposits and carbonate scale
- Low corrosion risk to most common metals
- Safe, easy to handle powder

COMMON APPLICATIONS

- Condenser
- Preheaters
- Head Exchangers
- Evaporators

PACKAGING

- 25kg open top pails with lid
- 25kg nylon bags

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.

