

ZI-CHEM 6221

Membrane Maintenance Deposit Removal

HIGHLIGHTS

ZI-CHEM 6221 is an inhibited citric acid based powder cleaner specifically designed for the removal of iron and carbonate based deposits from reverse osmosis membranes. This acts as a chelating/sequestering agent which selectively acts on deposits of iron, copper, calcium and magnesium.

ZI-CHEM 6221 is less aggressive than mineral acids such as hydrochloric acid or sulphuric acid. ZI-CHEM 6221 is a safe, easy to handle powder - which makes possible the acid cleaning of metal equipment without the hazards which are normally associated with the use of ordinary mineral acids.

Because it is supplied and stored as a dry powder. ZI-CHEM 6221 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: Free flowing white powder
- Density: 1.6 – 1.7
- pH (1% solution) < 1.0
- Boiling point: N/A

PRIMARY APPLICATIONS

The dosage rate for ZI-CHEM 6221 will be based on the amount of deposit to be removed and the size of the system. Normal use concentration is 0.2 to 2.5 % concentration of the recirculating water.

Your ZI-TECHASIA technical field representative will determine the correct feed rate for your conditions.

FEEDING & CONTROL

ZI-CHEM 6221 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.

APPROVAL

ZI-CHEM 6221 can be used in food grade applications as it has an FDA approval for chemical cleaning in the food industry

THE BENEFITS

- Reduces water and power consumption
- Restores and prolongs membrane life
- Improves membrane reject and flow
- Eliminate membrane replacement cost

COMMON APPLICATIONS

- BWRO Plant
- SWRO Plant

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.



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