

ZI-CHEM 8531

Membrane Maintenance Deposit Removal

HIGHLIGHTS

ZI-CHEM 8531 is a sodium hydrosulfite 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 that selectively acts on deposits of iron, copper, calcium and magnesium.

ZI-CHEM 8531 is less aggressive than mineral acids such as hydrochloric acid or sulfuric acid. ZI-CHEM 8531 is easy to handle powder which makes possible the acid cleaning of membranes and 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 8531 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 powder
- Density: 0.8 – 1.02
- pH: 7.0 – 9.0
- Boiling point: N/A

PRIMARY APPLICATIONS

The dosage rate for ZI-CHEM 8531 will be based on the amount of deposit to be removed and the size of the system. Normal use concentration is 0.5 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 8531 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

- 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.

