

ZI-CHEM 6241

Membrane Maintenance Deposit Removal

HIGHLIGHTS

ZI-CHEM 6241 is crystalline phosphate based product used as part of the cleaning program of reverse osmosis membranes.

ZI-CHEM 6241 is used to raise the pH of cleaning solutions to facilitate in the removal of organic debris and greasy deposits. It is most effective when used in conjunction with ZI-CHEM non ionic surfactant cleaners.

TYPICAL PROPERTIES

- Appearance: Clear white crystals
- Specific gravity: 0.6 – 1.0
- pH: 9.0 – 10.0
- Melting point: 43 °C
- Flash point: None

PRIMARY APPLICATIONS

ZI-CHEM 6241 should be added to adjust the pH of the recirculating cleaning solution to 9.0 – 10.0. The actual dose required to maintain this pH will depend on the type of foulants that will enter into the cleaning solution.

FEEDING & CONTROL

ZI-CHEM 6241 is added to the recirculation balance tank after permeate water is already added. This product should be pre mixed in a bucket or small tank to ensure the product is fully dissolved, and then that solution can be added to the recirculation mixing tank for cleaning the membranes.

Periodic checking of the pH of the recirculating cleaning solution should be carried out, and additional amounts of product added if the pH falls.

APPROVAL

The components of ZI-CHEM 6241 are FDA acceptable as a cleaning agent for RO membranes.

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