

ZI-CHEM 6251

Membrane Maintenance Dispersant

HIGHLIGHTS

ZI-CHEM 6251 is a non-ionic, organic penetrating and dispersant agent used as part of the ZI-CHEM membrane efficiency program.

ZI-CHEM 6251 is used in offline cleaning solutions to disperse oil, silt, clay, and biological material from reverse osmosis membranes.

When used in conjunction with an alkaline solution, the ZI-CHEM 6251 is particularly effective for removing greasy organic deposits.

TYPICAL PROPERTIES

- Appearance: Off white powder
- Specific gravity: 1.0 – 1.1
- pH (neat) 7.0 – 10.5
- Solubility: 0.8 g/l in water
- Flash point: None

PRIMARY APPLICATIONS

The desired dose rate of ZI-CHEM 6251 will depend on the degree of fouling. Light fouling can be removed at 1.0 kg per 1000 L, while heavy deposits require up to 2.5 kg per 1000 L.

FEEDING & CONTROL

ZI-CHEM 6251 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

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.

