

### Supraclean 8814 – Powdered, Acidic Cleaner for Membranes

#### Product Description

Supraclean 8814 is a targeted powder cleaner that quickly and easily mixes with water to make an easy to use cleaning solution that is specifically formulated for removing aluminum, iron, and other metal silicates, including reactive and colloidal foulants and coagulated polymers. Compatible with thin film composite, cellulose acetate, and polysulfone membranes.

- Targeted performance silica cleaner.
- Removes reactive and colloidal silicate foulants and coagulated polymers.
- Specifically formulated for removing aluminum, iron, and other metal silicates.
- Compatible with RO, NF, MF and UF membranes from all major manufacturers.

#### Effectively Removes



#### Specifications

Appearance : Powder  
Product pH (neat) : 3.0 – 4.0



#### Usage And Application Instructions for Supraclean 8814

The standard dilution ratio is 25 grams of 8814 per liter of water.

1. Inspect all cleaning system components to include CIP tank, hoses, and cartridge filters. Flush or replace if necessary.
2. Fill cleaning tank with RO permeate or DI water. Turn on agitator or tank recirculation pump.
3. Slowly add Supraclean 8814 to cleaning tank 25 grams of 8814 for every 1 liter of water and mix thoroughly.
4. The solution should be heated up to max. 40°C to improve cleaning efficacy. Do not exceed the membrane manufacturer's temperature limits.
5. Circulate solution in the same direction as the feed flow. Typical circulation times are 30-90 minutes.
6. Maximum flow rate per pressure vessel is 152 Lpm for 8-inch elements and 38 Lpm for 4-inch elements. Maximum pressure for cleaning is 60 psig.
7. In cases of heavy fouling, the first return flow (up to 15% of the cleaning tank volume) should be diverted to drain to prevent redeposition of removed solids.
8. Rinse with RO permeate before returning system to service. When returning unit to service, divert product water to drain until any residual cleaning solution has been rinsed from system.

#### Handling

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

Please read the label and Material Safety Data Sheet before handling this product.



#### Logistics

Packaging  
10 kg (net weight) Plastic drums

