

# TECHNICAL DATA REPORT

HS 2520

## RO 2520 Thin Film Composite RO Membrane Alkaline Cleaner

**DESCRIPTION:**

RO 2520 is a granular organic alkaline compound.

**PURPOSE:**

RO 2520 is a stable, non-foaming, surfactant-free, alkaline compound specifically designed for TFC type RO membranes and membrane systems.

**HOW TO USE:**

Acid cleaning with RO 2510 should be performed first, even when alkaline cleaning is desired. When system performance recovers with acid cleaning, then alkaline cleaning is not necessary.  
Add 10 grammes RO 2520 per litre of water to the cleaning tank, to bring the pH to 11 - 12. Operate system at 50 psi for 10 minutes. During the first 10 minutes of the cleaning cycle, the flow rate should be maintained at less than 1 GPM for 2.5" elements, less than 3 GPM for 4" elements, and 12 GPM for 8" elements, to allow the foulants to loosen. The flow rate should then be increased to 3 GPM for 2.5" elements, 9 GPM for 4" elements, and 40 GPM for 8" elements, for 20 minutes to clear foulants from the system. Do not let tank run dry, add more water and cleaner if necessary.  
Dispose of the cleaning solution after adjusting the pH as per local regulations. Fill tank with clean water and flush system to drain for 10 - 15 minutes. Add clean water as necessary. Rinse the system until the concentrate pH is almost the same as the clean water pH.  
For detailed instructions read the RO cleaning procedures manual.

**MAIN USERS:**

Plumbing contractors, food processing industries, hospitals, pharmaceutical plants.

**ADVANTAGES:**

- 1) Effective on many types of common mineral scales associated with membrane fouling.
- 2) Effective at temperatures from 3 to 50°C.
- 3) Safe to store, non fuming.
- 4) Biodegradable.
- 5) Spent solutions can be flushed in sewage systems after simple neutralisation if necessary.

**PRECAUTIONS:**

Avoid contact with eyes, contains mildly alkaline components. In case of contact with eyes, flush for 15 minutes with water and get medical attention. Can cause skin irritation, wear rubber gloves when handling undiluted material. Harmful if swallowed. Keep out of reach of children. Read Material Safety Data Sheet.

**SPECIFICATIONS:**

Physical form	Granules
Foam	Nil
pH (1% solution)	11 - 12
Solubility	Complete
Stability	Indefinite when stored in closed containers
Biodegradable	Yes