

## Product description

**CMC 5080** R.O Cleaner Acidic is a low pH Reverse Osmosis membrane cleaner for removal of metal oxides and inorganic scale

### Application:

**CMC 5080** is a liquid low pH membrane cleaner, specifically developed to remove metal containing deposits and secondary inorganic scale, metal Oxides/Hydroxides

### Great Value benefits:

The main product features are:

- Liquid product, simple to handle
- Blend of safe organic acids
- Dilutes quickly in water, reducing cleaning time
- Superior sequestering capacity
- Compatible with most leading membranes
- Biodegradable
- Reconditioning of your membrane system



### Recommended Use Directions:

Always follow the membrane manufacturer's recommendations for pH, cleaning temperature and contact time.

The typical dilution ratio for **CMC 5080** membrane cleaner is a 1- 10% range but never exceed membrane pH limitations, recommended PH 4.

Cleaning instructions are outlined in the cleaning procedures. All feeding equipment used to handle this product should be constructed of stainless steel, PP, PVC or PTFE.

### Cleaning Procedure :

Listed below, some standard cleaning procedures.

- Follow the membrane manufacturers' recommended guidelines for pH, temperature and contact time.

## Technical & Application Sheet

## CMC 5080

- Flush with permeate for 5-10 minutes to remove any service concentrate and feedwater foulants;
- Prepare cleaning solution:
  - Soft acid cleaning : 1-5% **CMC 5080**.
  - Adjust pH gradually with Ammonia if necessary;
- Circulate about 20 minutes at 30-35°C or 30 minutes at 20-25°C;
- Soak of 1-2 hours for light scale. Extend soak time for highly scaled systems. Elements should be soaked individually outside of the pressure vessel in a vertical position. Check pH and adjust as required, or replace cleaning solution.
- Drain the cleaning solution to disposal tank;
- Flush with permeate for 5-10 minutes, make sure all chemicals are flushed out;
- Restart the RO-production and reject the permeate for process until the necessary quality is reached. Measure after 1 hour the operating parameters to evaluate cleaning efficiency.

### Handling Precautions & Safety:

Wear suitable protective gloves and safety goggles. In case of contact immediately flush with plenty of water. After eye contact seek medical advice.

In case of spillage, absorb with sand or other absorbent materials and sweep up. Then flush the area with water.

Before use review the Safety Data Sheet for additional information.

### Packaging type:

PP containers sealed, Drums 25 Liter and IBC 1000 Liter

### Storage Conditions:

Store in a cool (recommended 35C°), dry and good ventilated place. Keep container tightly closed after opening. Prevent direct sun light.

**Storage Shelf life:** 24 Months under standard storage conditions.

