

# MC 105

## MEMBRANE CLEANER

### DESCRIPTION:

MC 105 is a enzyme-based membrane cleaner for use in RO systems and is effective in removing organic matter. MC 105 is a stabilized formulation that is effective in keeping the components of organic deposits in suspension and allowing them to be flushed from the membrane and feedwater spacer surfaces.

MC 105 is a slightly acidic product and can be used on both thin film composite membranes and cellulose acetate membranes. The product is NSF registered under Standard 60 to be used in RO potable water applications up to a maximum use of rate of 20 ppm.

### GENERAL APPLICATION:

MC 105 should be charged to the chemical cleaning solution tank at the rate of 0.5 - 1 pint / 100 gallons (approx. 500 – 1000 ppm) of oxidant-free permeate water. The pH of the cleaning solution should typically be adjusted to 7.5 – 8.0 by the addition of NaOH. The cleaning procedure must be performed in accordance with all recommendations and guidelines of the membrane manufacturer.

### ADVANTAGES:

- NSF Standard 60 Certification
- Enzyme-based dispersant
- For use on both cellulose acetate and thin film membranes.

### Typical Product Characteristics

Appearance .....	Clear liquid
Density at 25°C .....	1.02 g/ml
Weight per US gallon .....	8.5 lbs./gal
pH of product .....	< 2

### PACKAGING & HANDLING:

MC 105 is available in non-returnable 55-gallon DOT approved plastic containers.

### SAFETY & HANDLING:

Improper handling of this product can be injurious to workers. Observe all safety precautions shown on the label and in the Material Safety Data Sheet. Wear proper protective equipment listed on the MSDS. Follow the instructions of your KML Representative in the proper use of this product.

