

MEMBRANE ACID 100

Acid Cleaner for RO/UF Membrane Systems Product Number 1866

Purpose and Use

Membrane Acid 100 is a phosphate free strong nitric acid detergent for CIP applications in dairy, food, and UF/RO processing facilities. It is colorless and contains no dyes making it highly suitable for use in cleaning membrane systems.

How Membrane Acid 100 Works

Membrane Acid 100 penetrates and dissolves mineral scale, while helping to maintain the oxide film on stainless steel to prevent corrosion.

Benefits

- Achieves very low pH levels to remove residues quickly and efficiently
- May be used to protect stainless steel through a passivation process
- High purity ensures safe use
- Preserves membrane integrity and protects equipment investment
- Does not contain phosphates so its use will not contribute to phosphate in waste water treatment effluent

Discussion

Membrane Acid 100 is the ideal choice for whey evaporators and other high temperature processing equipment such as Separators, HTST Systems, Cheese Processing Equipment, Aseptic Processing Equipment, COP Cleaning Systems, CIP Cleaning Systems, Foam Cleaning Systems and Cook Kettles.

Features

- Specifically formulated mineral acid designated for U.S. in UF/RO units
- Pure in formulation - contains no dyes or wetting agents that could damage membrane performance



Directions for Use

Membrane Cleaning

Method

For use in circulation cleaning of many RO/UF membrane systems.

Concentration

0.2% to 0.4% solutions. During cleaning cycle maintain 1.8 to 2.2 pH (Check specific membrane manufacturer's tolerances on pH). Use dilution is 0.25 to 0.5 oz. per gallon of water

Temperature

80°F to 130°F. Not to exceed 130°F. (Some membranes may not exceed 102°F. Always check membrane manufacturer's tolerances on temperature).

Cleaning Time

20 to 30 minutes, depending upon operating conditions and products processed.

Directions for Use

CIP Cleaning Food Processing Equipment

Method

CIP and soak. After cleaning, post-rinse with potable water. Sanitize as required.

Concentration

0.50% to 2.0% by volume

Temperature

110°F to 180°F.

Cleaning Time

10 to 60 minutes for most soils or as required

For use in food and dairy facilities in accordance with product label and documented use applications. Consult your DeLaval representative for guidance.

Safety Information

IF ON SKIN (or Hair)

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor/physician.

IF SWALLOWED

Rinse mouth. DO NOT induce vomiting.

IF INHALED

Immediately move to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

For more information about this product or any of our other products and services please visit our website at www.delavalcleaningsolutions.com or contact us at 1-800-447-8370.



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