

Membrane Acid 100

Acid Cleaner for RO/UF Membrane
Product Number 1866

Membrane Acid 100 is a phosphate free strong nitric acid detergent for CIP applications in dairy, food, and UF/RO processing facilities. Membrane Acid 100 penetrates and dissolves mineral scale, while helping to maintain the oxide film on stainless steel to prevent corrosion. Membrane Acid 100 is the ideal choice for whey evaporators and other high temperature processing equipment.

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

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

Properties

- Appearance Clear colorless liquid
- Nitric Acid 33.0 - 38.0 %w/w

Directions for Use

Method

Membrane Acid 100 is designed for soak and circulation cleaning in dairy, food, and UF/RO processing facilities. CIP and soak. After cleaning, post-rinse with potable water. Sanitize as required.

Concentration

Membrane cleaning: use 0.2 to 0.4% v/v solution. During cleaning cycle, maintain 1.8 to 2.2 pH (Check specific membrane manufacturer's tolerances on pH). Use membrane Acid 100 solutions at 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)

For CIP cleaning: use 0.5 to 10.0 ounces per gallon of water. Do not exceed 140°F.

For scale removal: use 0.5 to 20.0 ounces per gallon of water at temperature not exceeding 140°F.

Cleaning Time: 30 to 60 minutes for most soils as required

Usage rates may vary with the type and degree of soil.

Consult your DeLaval Cleaning Solutions representative for questions on specific applications.

Safety Information

UTILIZE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS PER SDS. HANDLE AND STORE AS INDICATED ON PRODUCT LABEL.

IF ON SKIN

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Wash clothes before reusing.

IF IN EYES

In case of contact, immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED

Drink large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention

IF INHALED

Immediately move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get immediate medical attention.


Consult your Safety Data Sheet for additional safety information

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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