

ULTRASIL® 76

PRODUCT DESCRIPTION

Ultrasil® 76 is a nitric acid based detergent developed specifically for acid cleaning low pH tolerant reverse osmosis, ultrafiltration and microfiltration membranes.

BENEFITS

Maintains Production Capacity

- Helps prevent milkstone, alkaline film and hard water scale build-ups which can foul membranes.
- Special formula helps maintain membrane flux rates.
- Non-foaming formulation for improved cleaning efficiency.

Saves Labor and Time

- Concentrated liquid easily dispensed to reduce labor and cleaning time.
- Rinses quickly and completely to reduce cleaning time.

Reduces Cost

- Economical use cost at recommended use dilution.
- Surfactant-free formulation helps assure compatibility with membranes to extend membrane life.

Distributed by:

NELSON JAMESON
INC.
800-826-8302 nelsonjameson.com

ECOLAB®

ULTRASIL[®] 76

PROPERTIES

Form..... clear liquid
Color colorless
Foam none
Specific gravity@ 75°F (25°C) 1.210
Pounds per gallon 10.08 (4.57 kg)
pH of 0.2% solution (in DI water) 1.9
pH of 0.3% solution (in DI water) 1.7
pH of 0.5% solution (in DI water) 1.5
Acidity as phosphoric acid..... 26.5%

Formula ingredients contain not more than 0.2% phosphorus,
0.03 g per gallon of average recommended use concentration.

TO USE

For acid cleaning of low pH tolerant membranes..

Typical Use Conditions

Membrane

<u>Type</u>	<u>Dosage</u>	<u>Temperature</u>	<u>Time</u>
RO	0.3%	~115° F/46°C	20-30 minutes
UF/MF	0.3%	~120° F/49°C	20-30 minutes

Ultrasil 76 can also be used as a CIP acid for high temperature equipment.

Consult your Ecolab representative for specific use instructions and recommended dispensing equipment.

NOTE: Observe the recommendations of the membrane manufacturers for maximum temperature, pH, and time limits.

Not for use with ceramic membranes. Not recommended for use with nanofiltration membranes.

For cautionary and first aid information, consult the Material Safety Data Sheet (MSDS) or product label.

STATEMENT OF ASSURANCE

This product is safe and effective under the intended conditions of use as outlined on the product label or specified in a Sanitation Standard Operating Procedure (SSOP). This product will not adulterate food product provided that before using it, food products and packaging materials are removed from the room or carefully protected and after using these compounds, surfaces are thoroughly rinsed with potable water.

A Letter of Guaranty as indicated in USDA's Sanitation Performance Guideline is available from your Ecolab representative.

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