

ULTRASIL® 10

PRODUCT DESCRIPTION

Ultrasil® 10 is a powdered buffered alkaline detergent developed specifically for cleaning alkaline tolerant reverse osmosis, nanofiltration, ultrafiltration and microfiltration membranes.

BENEFITS

Maintains Production Capacity

- Special formula maintains membrane flux rates.
- Chelated and buffered alkalinity effectively removes fouling agents from alkaline tolerant RO and UF membranes.

Saves Labor and Time

- Dissolves freely to reduce labor and cleaning time.
- Easy to use balanced formulation eliminates need for adding separate additives or boosters.
- Rinses quickly and completely to reduce cleaning time.

Reduces Cost

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

ECOLAB®

Distributed by:

NELSON JAMESON
INC.

800-826-8302 nelsonjameson.com

ULTRASIL[®] 10

PROPERTIES

Form powder
Color white to off-white. May contain brown and some gray/black particles.
Foam high
pH of 0.2% solution (in DI water) 12.0
pH of 0.3% solution (in DI water) 12.1
pH of 0.5% solution (in DI water) 12.4
Alkalinity:
 Active as Na₂O 16.2%
 Total as Na₂O 19.8%
Formula ingredients contain not more than 2.8% phosphorus,
0.5 g per gallon of average recommended use concentration.

TO USE

Completely pre-dissolve in warm water before adding to system.
To assist in removing undissolved detergent particles, it is recommended to filter powdered product solutions prior to addition to the membrane systems.

Typical Use Conditions

Membrane

<u>Type</u>	<u>Dosage</u>	<u>Temperature</u>	<u>Time</u>
RO/NF	0.2%	~115° F/46°C	30 minutes
UF/MF	0.2%	~120° F/49°C	30 minutes

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.

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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