



Ultrasil™ 110

PRODUCT DESCRIPTION Liquid membrane cleaner specifically designed for cleaning reverse osmosis, ultrafiltration, nanofiltration and microfiltration membranes.

- BENEFITS**
- Promotes Increased Production**
 - ▲ Excellent soil removal properties helps improve membrane performance leading to production maximization.
 - ▲ Built formula provides quicker rinsing which reduces cleaning time.
 - Promotes Increased Efficiency**
 - ▲ Liquid formula allows for automatic dispensing and control, which helps reduce overusage and saves employee time.
 - ▲ Safer on membranes because it avoids high concentration spikes, even during chemical addition, which can help to prolong membrane life.
 - Promotes Employee Safety**
 - ▲ Liquid formula is easily dispensed and reduces employee handling concerns normally associated with powdered products.
 - Environmental Implications**
 - ▲ Formula ingredients contain no phosphorus.

Ultrasil™ 110

PROPERTIES	Form.....liquid	pH 0.3% solution (in DI water).....11.7
	Color.....light brown to light yellow	pH 0.5% solution (in DI water).....11.9
	Foamhigh	pH 0.7% solution (in DI water)..... 12.0
	Spec. Grav. @ 68°F (20°C)1.137	Alkalinity:
	Pounds per gallon..... 9.72 (4.41 kg)	Active as Na ₂ O5.5%
		Total as Na ₂ O.....6.5%

Formula ingredients contain no phosphorus.

DIRECTIONS FOR USE

Typical Use Conditions

<i>Membrane Type</i>	<i>Dosage</i>	<i>pH</i>	<i>Temperature</i>	<i>Time</i>
RO/NF	0.05 - 1%	10.5-10.8	115-118°F/46-48°C	30 minutes
UF/MF	0.05 - 1%	10.8-11.2	118-122°F/48-50°C	30 minutes

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

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

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

STATEMENT OF ASSURANCE

This product is 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 is available from your Ecolab representative.

Regional Office