



## Ultrasil™ 67

### PRODUCT DESCRIPTION

Ultrasil™ 67 is a neutral, enzymatic liquid cleaner designed to be used with an Ultrasil membrane approved alkaline cleaner in a two-part cleaning program for reverse osmosis, nanofiltration, ultrafiltration and microfiltration membrane systems.

### BENEFITS

#### **Saves Time and Labor**

- ▲ Helps reduce total wash time and water usage during the cleaning of the membrane system.
- ▲ Liquid product allows for simple and accurate dosing.
- ▲ Concentrated formula enables low use cost applications.

#### **Promotes Quality Assurance**

- ▲ Ultrasil 67 is a unique liquid combination of stabilized enzymes and surfactants, leading to better soil penetration and protein breakdown.
- ▲ Wetting agents help provide rapid removal of fatty soils.

#### **Effluent Reduction**

- ▲ Use of Ultrasil 67 and Ultrasil membrane approved alkaline cleaner as the main part of a cleaning program can eliminate the need for chlorine for protein removal.
- ▲ The overall pH profile of the wastewater can be lowered using the mildly alkaline Ultrasil 67 plus membrane approved alkaline cleaner program.

#### **Wide Range of Compatibility**

- ▲ Compatible with most commonly used membranes such as polysulfone, fully aromatic polyamide, polyacrylonitrile, polyvinyl difluoride, polypiperazine amide, polypropylene, polyether urea, aluminum oxide, zirconium dioxide and electro dialysis membranes.
- ▲ Not intended to be used with cellulose acetate membranes, as they may be irreversibly damaged.

# Ultrasil™ 67

<b>PROPERTIES</b>	Form .....	liquid	Spec. Grav. @ 20°C (68°F).....	1.020
	Color .....	yellow/amber	Pounds per gallon.....	8.50 (3.85 kg)
	Foam .....	moderate	100% solution pH .....	7.8

Formula ingredients contain no phosphorus.

**DIRECTIONS FOR USE** To maximize enzyme activity, first add the proper amount of an Ultrasil membrane approved caustic to achieve a use solution pH of 9.75-10.5 and then slowly add the proper amount of Ultrasil 67 (0.2 - 0.5% v/v). Circulate solution through system for 30-60 minutes at the following temperature RO/NF: 115-118° (46-48°C); MF/UF: 118-122° (48-50°C).

**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.

Ultrasil™ 67 is registered for use in federally-inspected food establishments in Canada provided it is in keeping with the instructions outlined on the label.

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