

# Conquest™

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## PRODUCT DESCRIPTION

Conquest™ is a heavy duty liquid alkaline detergent for use in recirculation cleaning (CIP) in the dairy and food processing industry.

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## BENEFITS

### Promotes Quality Assurance

- Maintains effectiveness during high temperature recirculation and spray cleaning.
- Low foaming surfactants reduce foaming in CIP systems to improve cleaning efficiency.
- Quickly penetrates, suspends and rinses toughest soils for fast, thorough cleaning.

### Saves Time and Money

- Requires no additional additives in most water conditions.
- Provides high detergency and performance under heavy soil load conditions.
- Eliminates additional additive product inventories, equipment and labor.
- Non-chlorinated formulation permits wide variety of application to consolidate product inventories.

### Environmentally Responsible

- Very low phosphorous content ( $\leq 0.3\%$ ).

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## PROPERTIES

Form .....	liquid	Pounds per gallon .....	11.25 (5.10 kg)
Color .....	light amber	pH of 1% of solution .....	12.7
Odor .....	none	Active alkalinity Na <sub>2</sub> O.....	22.9%
Foam .....	low	Spec. Grav. @ 68°F (20°C) .....	1.351
Defoam properties .....	yes	Freeze Point .....	-4°F (-20°C)

Formula ingredients contain not more than 0.3% phosphorus, 0.2 g per gallon of average recommended use concentration.

## TO USE

To prepare a 1% active caustic solution, use 3.2 ounces of Conquest for each one gallon (25mL/L) of water.

To CIP product lines, use 0.65 ounces of Conquest per one gallon (5.1 mL/L) of 150-165°F/66-74°C water for 30-90 minutes (minimum of 12 minutes at temperature per circuit). To CIP cold product storage tanks, use 0.65 ounces of Conquest per one gallon (5.1 mL/L) of 135-140°F/57-60°C water.

To CIP processing vats, use 1.6-2.5 ounces of Conquest per one gallon (1.25-19.5 mL/L) of 160°F/71°C water for 40-45 minutes.

To CIP HTST, use a 0.75-1.0% active caustic solution of Conquest; use 2.4-3.2 ounces of Conquest per one gallon (18.7-25 mL/L) of 178-180°F/81-82°C water for 45-60 minutes.

Conquest should be used at a concentration of up to 2% causticity in water at 150°F/66°C for 30 minutes in a soak tank, or less time if agitation is applied. The concentration and cleaning time may vary, depending on the nature and quality of soil. Drain solution and rinse thoroughly with cold water.

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

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

## FOOD & BEVERAGE DIVISION

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