



AC-103™

PRODUCT DESCRIPTION

AC-103™ is a heavy-duty liquid alkaline detergent for CIP, bottlewashing and boil out applications.

BENEFITS

Saves Money

- ▲ Highly concentrated to provide optimal use-cost performance.
- ▲ Non-corrosive to stainless steel at recommended use dilutions to help protect equipment investment.

Saves Time

- ▲ No mixing or dissolving necessary.
- ▲ Fast soil penetration and emulsification to speed cleaning applications.

Promotes Quality Assurance

- ▲ Enhances finished product quality and shelf life when used in a total Ecolab product and professional services program.
- ▲ Maintains effectiveness even during high temperature recirculation and boil out cleaning.
- ▲ Ideal for bottlewashing applications and CIP of all types of stainless steel process equipment.

Environmental Implications

- ▲ Formula ingredients contain no phosphorus.

AC-103™

PROPERTIES	Form	clear to slightly hazy liquid	pH 1.0% solution	12.5
	Color	pale tan	pH of 0.1% solution	11.7
	Odor	none	Alkalinity:	
	Foam	none	Active as Na ₂ O	37.4%
	Spec. Grav. @ 68°F (20°C).....	1.515	Total as Na ₂ O	37.6%
	Pounds per gallon.....	12.62 (5.73 kg)		

Formula ingredients contain no phosphorus.

Store AC-103 above 50°F to prevent crystallization.

DIRECTIONS FOR USE To prepare a 1.0% active caustic solution, use 1.4 gallons of AC-103 for each 100 gallons (14 mL/L) of water.

For CIP of product lines, use 32-36 oz. of AC-103 per 100 gallons (2.5-2.8 mL/L) of 150°-165°F (66°-74°C) water to provide 0.25-0.28% total product (0.18-0.20% active caustic) for a minimum of 10 minutes at temperature per spur.

For CIP of cold product storage tanks, use 32-36 oz. of AC-103 per 100 gallons (2.5-2.8 mL/L) of 135°-140°F (57°-60°C) water to provide 0.25-0.28% total product (0.18-0.20% active caustic).

Large tankers:	8-10 minutes at temperature
Small tankers:	8 minutes at temperature
Horizontal tanks:	10 minutes at temperature
Silos:	15-20 minutes at temperature

To CIP of processing vats, use 89-142 oz. of AC-103 per 100 gallons (7.0-11.1 mL/L) of 160°-165°F (71°-74°C) water to provide 0.70-1.1% total product (0.5-0.8% active caustic) for 40-45 minutes.

For CIP HTST units, use 160-194 oz. of AC-103 per 100 gallons (12.5-15.2 mL/L) of 178°-180°F (79°-82°C) water to provide 1.25-1.5% total product (0.9-1.1% active caustic) for 45-60 minutes.

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

For cautionary and first aid information, consult the Material Safety Data Sheet (MSDS) 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 as indicated in USDA's Sanitation Performance Guideline is available from your Ecolab representative.

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