

Mandate™ Plus

PRODUCT DESCRIPTION

MANDATE™PLUS is an EPA-registered, low-foaming acid sanitizer with antimicrobial efficacy. The product is designed for automated CIP systems.

Promotes Quality Assurance

- Remains soluble in use solution for longer periods of time than most other acid sanitizers.
- Enhances finished product quality and shelf life when used in a total Ecolab product and professional service program.
- Leaves equipment surfaces shining – mixture of anionic and nonionic surfactants provide better wetting and rinsing than other acid sanitizers.
- Non-corrosive to stainless steel equipment at recommended use concentrations.

Saves Time and Labor

- Superior sheeting action provides spotless, film-free equipment.
- Performs acid rinse and sanitizing in one step.
- Low-foaming formula enables effective CIP flow.

Environmental Implications

- Low phosphate level.
- Product contains no iodine, chlorine, quats.
- Sanitizes during the acid rinse cycle, reducing water volume and related changes during clean-up.

Mandate™ Plus

PROPERTIES

Form liquid
Color light yellow
Odor pungent
Foam low
Wetting ability..... good
Spec. Grav. @ 68°F (20°C) 1.170
Pounds per gallon..... 9.75 (4.43 kg)

ACTIVE INGREDIENTS:

Nonanoic Acid..... 6.30%
Decanoic Acid 1.09%

INERT INGREDIENTS 92.61%

TOTAL..... 100.00%

U.S. Patent No. 6,472,358

Formula ingredients contain not more than 2.6% phosphorus, 0.2 g per gallon of average recommended use concentration.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For Dairy and Food Processing Equipment, Tanks, Vats, Pails, Pipelines, and Closed Systems: Remove all gross food particles and soil by a pre-flush or pre-scrape, and when necessary, a presoak treatment. Clean all surfaces thoroughly with proper detergents and rinse with potable water.

Sanitize CIP or COP equipment by immersion, circulation or coarse spray sanitizing techniques, as appropriate. For sanitizing by immersion or circulation, use MANDATE PLUS at 1.0 to 1.1 ounces per 6 gallons (1.30 to 1.43 mL per Liter) of water. For coarse spray sanitizing, use 0.9 - 1.0 ounces per 3 gallons (2.34 to 2.60 mL per Liter) of water. All surfaces should be exposed to sanitizing solutions for a period of not less than 2 minutes. Drain thoroughly and then air dry. Regular use of Mandate Plus will prevent the formation of milkstone or mineral stone on processing equipment.

Follow state and local Health Department regulations for cleaning and sanitizing food processing and dairy equipment.

NOTE: For mechanical operations, repeated use solutions may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

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).

A Letter of Guaranty as indicated in USDA's Sanitation Performance Guideline is available from your Ecolab representative.

Ecolab Inc., Food & Beverage Division
370 Wabasha Street N.
St. Paul, Minnesota 55102-1390 U.S.A.
www.ecolab.com 1-800-392-3392

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