



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.

BENEFITS

Saves Time and Labor

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

Promotes Quality Assurance

- ▲ Remains soluble in use solution for long periods of time.
- ▲ 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.
- ▲ Non-corrosive to stainless steel equipment at recommended use concentrations.

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.

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
 EPA Reg. No. 1677-194

DIRECTIONS FOR USE

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 to 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.

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).

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