

# Bac-Flush™

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## PRODUCT DESCRIPTION

Bac-Flush™ is a concentrated, iodine-based sanitizer providing 3.68% titratable iodine.

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## BENEFITS

### Promotes Quality Assurance

- Enhances finished product quality and shelf life when used in a total Ecolab product and professional services program
- Controls water hardness, helping to eliminate water spots on cans and jars
- Helps control microbial growth on sanitary filling equipment
- Helps prevent mineral deposits from forming with regular use due to low pH formulation
- Authorized for final sanitizing rinse of bottles or cans at 8 to 12 ppm.

### Saves Time and Labor

- Automatic and accurate dispensing through the Mikro Master® 300 proportioning equipment
- Economical use costs can be achieved because Bac-Flush is highly concentrated, 1 oz in 13 gallons of water provides 25 ppm iodine

# BAC-FLUSH™

## PROPERTIES

ACTIVE INGREDIENTS:	
Iodine*	3.65%
Phosphoric acid	23.70%
INERT INGREDIENTS:	72.62%
TOTAL:	100.00%

\*From polyethoxypolypropoxypolyethoxyethanol-iodine complex.

INDUSTRIAL AND AGRICULTURAL USE ONLY

Form	liquid	Available iodine	3.65% w/v
Color	dark brown	% Phosphoric acid	23.7%
Foam	low	pH 1% (distilled water)	2.20
Pounds per gallon	10.37 (4.70 kg)	pH 0.1% (distilled water)	2.75
Specific Gravity at 68°F	1.245	pH 25 ppm solution	2.90

EPA Reg. No. 1677-89

Formula contains not more than 7.9% phosphorus, 0.2 grams per gallon of recommended use concentration.

## DIRECTIONS FOR USE

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

### DIRECTIONS FOR SANITIZING DAIRY, BEVERAGE AND FOOD EQUIPMENT:

For equipment, tanks, vats, pails, pipelines and closed systems. After the equipment has been cleaned and rinsed, and just prior to use, sanitize with Bac-Flush at a concentration of 12.5 ppm titratable iodine for at least a 2-minute exposure time. Drain thoroughly. Bac-Flush may be used as a final sanitizing rinse for returnable and non-returnable bottles at 6 ppm titratable iodine.

### SANITARY FILLING:

For sanitizing bottles or cans in the final rinse application. Bac-Flush is proportioned into the final rinse water line of the container washer or rinser in concentration of 8-12 ppm. The exact concentration required will be determined by local conditions.

A Bac-Flush solution containing 20-25 ppm titratable iodine should be used in an external spraying application for the filler and closing machine. Bac-Flush is also recommended for use in the internal filler sanitation program. Drain thoroughly.

### DIRECTIONS FOR SANITIZING POULTRY AND MEAT PROCESSING EQUIPMENT:

For equipment. After washing and rinsing equipment and just before use, sanitize with a Bac-Flush concentration of 25 ppm titratable iodine for at least a 2-minute period. Drain thoroughly.

**NOTE: For mechanical operations.** Prepared use solutions may not be re-used for sanitizing but may be re-used for other purposes such as cleaning.

**For manual operations.** Fresh sanitizing solutions should be prepared as soon as they become diluted or soiled.

### SANITIZATION OF WATER SUPPLIED FOR POULTRY:

For poultry drinking water treatment. For every 52 gallons of water use 1 oz of Bac-Flush continuously proportioned into the water supply line to provide 6 ppm titratable iodine. This use of Bac-Flush is not intended to control the transmission of disease within the rearing area.

### MUSHROOM GROWING OPERATIONS:

Food contact surfaces. To sanitize growing trays, picking baskets, and picking utensils, thoroughly clean before sanitizing. Then spray thoroughly with a solution of 1 oz Bac-Flush per 13 gallons (0.6 mL/L) of water (provides 25 ppm titratable iodine) for at least 2 minutes. Drain thoroughly.

### NON-FOOD CONTACT SURFACES:

To disinfect, thoroughly clean unit (empty room, spawn and case corridors, growing corridor) before spraying with a solution of 11.5 oz Bac-Flush per 50 gallons of water (provides 75 ppm titratable iodine).

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.

### Use Dilution Table

BAC-FLUSH	WATER	TITRATABLE IODINE	USE
1 oz	13 gallons	25 ppm	sanitizing
1 oz	26 gallons	12 1/2 ppm	sanitizing
1 oz	30 gallons	10 ppm	sanitary filling
1 oz	52 gallons	6 ppm	final sanitizing rinse

Bac-Flush complies with Section 178.1010 of the U.S. Food and Drug Administration Food Additive Regulation. When used to sanitize food processing equipment and utensils at concentration of 25 ppm titratable iodine or less, a potable water rinse is not required.

## STATEMENT OF ASSURANCE

This product is safe and 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.

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