



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

AUG 21 2002

Mr. Brian C. Brodahl, Manager  
North American Registrations  
**Ecolab Inc.**  
370 N. Wabasha Street  
St. Paul, Minnesota 55102-1390

Subject: **Bac-Flush**  
EPA Registration Number 1677-89  
Application Dated May 20, 2002

Dear Mr. Brodahl:

The following amendments, submitted in connection with registration under section of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable with comment:

**Proposed Amendments**

- Revised basic Confidential Statement of formula (See CSFs dated 5/20/02)
- Add "hand sanitizing" to directions for use

**General Comments**

The revised basic CSF dated May 20, 2002 is acceptable. a copy has been inserted in your file for future reference.

The basic CSF dated May 20, 2002 supersedes all previously accepted basic formulas.

CONCURRENCES

SYMBOL							
SURNAME							

**Other Comments** UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

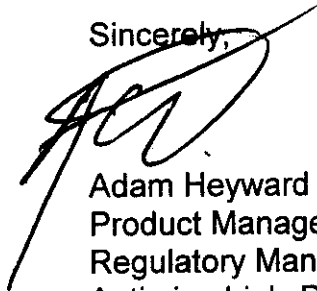
In accordance with PR Notice 2001-1, add the following statement to the first aid statements: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Add the following statement under the Storage and Disposal subheading: "Do not contaminate water, food or feed by storage or disposal".

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions concerning this letter, please contact me at (703) 308-6422 or Renae Whitaker at (703) 308-7003.

Sincerely,



Adam Heyward  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

Enclosure

**CONCURRENCES**

SYMBOL							
SURNAME							

# BAC-FLUSH

Concentrated Iodine Based Sanitizer

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

3 7 5

AUG 21 2002

## ACTIVE INGREDIENTS

Iodine\* ..... 3.68%  
.....Phosphoric Acid ..... 23.70%  
INERT INGREDIENTS ..... 72.62%

TOTAL ..... 100.0%

\*From Polyethoxypolypropoxypolyethoxyethanol-iodine complex

Formula provides 3.68% titratable iodine equivalent to approximately 42,000 ppm weight/volume  
For Industrial & Agricultural Use Only

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1677-89

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: CORROSIVE:** Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### ENVIRONMENTAL HAZARDS (only 5 gallons or greater)

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR EMERGENCY MEDICAL INFORMATION, CALL 1-800-328-0026

OUTSIDE NORTH AMERICA, CALL 1-651-222-5352

### 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 rinse in a concentration of 8 to 12 ppm. The exact concentration required will be determined by local conditions.

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A *Bac-Flush* solution containing 20 to 25 ppm 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.

**SANITIZATION OF WATER SUPPLIED FOR POULTRY:**

For poultry drinking water treatment, for every 52 gallons of water use 1 ounce 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.

**NOTE:** FOR MECHANICAL OPERATIONS, prepared use solutions may not be reused for sanitizing but may be reused for other purposes such as cleaning.

**FOR MANUAL OPERATIONS**, fresh sanitizing solutions should be prepared as soon as they become diluted or soiled.

**DAIRY FARMS:**

**FOR UDDER WASHING** – Use a 25 ppm titratable iodine solution applied as a spray or wash with individual paper towels.

**FOR 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 1.0 ounce *Bac-Flush* per 13 gallons 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 ounces *Bac-Flush* per 50 gallons of water (provides 75 ppm titratable iodine).

**USE DILUTION TABLE**

BAC-FLUSH	WATER	TITRATABLE IODINE	USE
1 oz.	13 gallons	25 ppm	Sanitizing
1 oz.	26 gallons	12 ½ 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 Regulations. When used to sanitize food processing equipment and utensils at concentrations of 25 ppm titratable iodine or less, a potable water rinse is not required.

**HAND SANITIZING:** After hands have been washed and rinsed, apply a *Bac-Flush* solution containing not more than 25 ppm titratable iodine. The hands need not be rinsed after use of *Bac-Flush*.

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**STORAGE & DISPOSAL**

**Pesticide Storage:** Store only in original or properly marked container. Keep container closed between uses.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:**

(1 gal.): Do not reuse empty containers. Wrap container and put in trash.

(15 gal., 204.5 L, 55 gal., 300 gal.): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(Tote): Verify that the tote is empty. Do not rinse or clean. Seal tote and contact Ecolab for return.

Net Contents:	1 U.S. Gal. (3.78 L)
	15 U.S. Gals. (56.8 L)
	30 U.S. Gals. (113.5 L)
	50 U.S. Gals. (189 L)
	204.5 L
	55 U.S. Gals. (208.2 L)
	300 U.S. Gals. (tote)

Manufactured by:  
Ecolab Food & Beverage Division  
Ecolab Inc.  
370 Wabasha Street N.  
St. Paul, MN 55102-1390 U.S.A.

EPA Reg. No. 1677-89  
EPA Est.: 1677-IL-2 (J), 1677-NJ-1 (WI),  
1677-TX-1 (D), 1677-GA-1 (M), 1677-CA-1 (S)  
1677-MN-1 (P), 1677-PR-1 (B), 11321-CA-1 (C)  
1677-OH-1 (H), 1677-CA-2 (R), 1677-MO-1 (K),  
1677-WV-1 (V).  
Superscript refers to first letter of date code.