

1677-89

03/19/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

MAR 19 2001

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Brian C. Brosdahl
Manager, North American Registrations
ECOLAB Inc.
370 N. Wabasha Street
St. Paul, MN 55102

Dear Mr. Brosdahl:

Subject: Updated Label in Response to PR Notices
Bac-Flush
EPA Registration Number 1677-89
Your Amended Application Dated February 12, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Note the appropriate storage and disposal statement for label sizes. Add the word "Pesticide" before storage.

<p>STORAGE AND DISPOSAL</p> <p>Do not contaminate water, food, or feed by storage and disposal</p> <p>Pesticide Storage....</p> <p>Pesticide Disposal...</p> <p>Container Disposal...</p>
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If you have any questions concerning this letter, please contact Renae Whitaker at (703) 308-7003.

Sincerely,

A handwritten signature in black ink, appearing to read "Adam Heyward".

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

Enclosure

BAC-FLUSH

Concentrated Iodine Based Sanitizer

ACCEPTED
with COMMENTS
in EPA Letter Dated:
MAR 19 2001

ACTIVE INGREDIENTS

Iodine*	3.65%
..... Phosphoric Acid	23.00%
INERT INGREDIENTS	73.35%
TOTAL	100.0%

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

*From Polyethoxypolypropoxypolyethoxyethanol-iodine complex
Formula provides 3.5% titratable iodine equivalent to 42,000 ppm weight/volume
For Industrial & Agricultural Use Only

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.

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 19 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act of
1972, for the period of
10/1/97 to 9/30/01

1677-89

STORAGE & DISPOSAL

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 19 2001
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticides,
registered under EPA Reg. No. 1677-89