

1677-164

10-29-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 29 2001

Brian Brosdahl
Ecolab Incorporated
370 North Wabasha Street
St. Paul, MN 55102-1390

Subject: Oxy 15
EPA Reg. No. 1677-164
Your Amendment Dated 9/25/2000; received 12/6/2000; (Related to SLN CA000011)

The subject amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to provide revised labeling which adds use directions for treating seeds intended only for research purposes, and at a use concentration 20 times that previously cleared, is acceptable with the conditions listed below:

Conditions

- 1. The submitted proposed label dated 9/25/2000 must be revised as follows:
 - A. Update the "Statement of Practical Treatment" to reflect PR Notice 2001-1.
 - B. Specify in the seed treatment title or section that only seeds of the crops listed on the label are allowed.

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

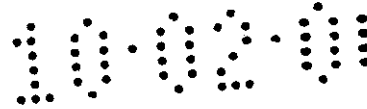
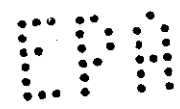
If you have any questions about the comments in this letter, please feel free to contact me at 703-308-6341, or Tony Kish at 703-308-9443.

Sincerely,
Tony Kish for
Marshall Swindell,
Product Manager Team 33,
Regulatory Management Branch I
Antimicrobials Division (7510C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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Oxy-15

Water Additive for Controlling the Growth of Microorganisms that cause decay and spoilage On Fresh Cut, Post Harvest, and Further Processed Fruits and Vegetables in transport, storage and processing

Active Ingredients:	
Peroxyacetic acid.....	15.0%
Hydrogen peroxide.....	11.0%
Inert Ingredients: 74.0%	
Total:	100.0%

ACCEPTED with COMMENTS in EPA Letter Dated:

OCT 29 2001

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

1677-164

**KEEP OUT OF REACH OF CHILDREN
DANGER**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE: Causes severe eye damage and skin burns. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear chemical goggles, rubber gloves, and protective clothing if handling concentrate. Wash thoroughly with soap and water after handling. Remove any contaminated clothing and wash before re-use.

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush immediately with cold water. Remove contact lenses. Hold eyelids open and flush with water for 15 minutes. Get medical attention immediately.

IF SWALLOWED: DO NOT induce vomiting. Immediately drink large quantities of water. Avoid alcohol. Never give anything by mouth to an unconscious person. CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.

FOR EMERGENCY MEDICAL INFORMATION CALL TOLL-FREE: 1-800-328-0026

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PHYSICAL AND CHEMICAL HAZARDS:

Strong oxidizing agent. Corrosive. Do not use in concentrated form. Mix only with water according to label instructions. Never bring concentrate in contact with other sanitizers, cleaners or organic substances.

ENVIRONMENTAL HAZARDS: This product is toxic to birds, fish, and aquatic invertebrates. 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.

**FOR COMMERCIAL OR INSTITUTIONAL USE ONLY
STRONG OXIDIZING AGENT**

Net Contents:
50 U.S. Gals. (189 Liters)
or 300 U.S. Gals. (tote)

Manufactured by:
Food & Beverage Division
Ecolab Inc.
370 N. Wabasha Street
St. Paul, MN 55102

EPA Reg. No. 1677-164
EPA Est.: 1677-MN-1 (P), 60156-IL-1 (SI)
1677-CA-2 (R), 1677-TX-1 (D), 1677-OH-1 (H)
1677-IL-2 (J), 1677-PR-1 (B), 1677-CA-1 (S)
1677-NJ-1 (W), 1677-GA-1 (M)
Superscript refers to first letter of date code

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U.S. Patent No. 5,409,713 Other Patents Pending

Oxy-15 is intended for use in the control of microorganisms (or bacteria) which cause decay (and/or spoilage) and that may be present in the process water and on the surface of fresh cut and post-harvest fruits and vegetables, as well as processed fruits and vegetables. Examples of process water are flumes, chill tanks and wash water systems. This product is not intended for control of any public health organisms.

DIRECTIONS FOR USE

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

FOR TREATMENT OF PROCESS WATER SYSTEMS:

A. Batch systems with no makeup water added:

1. Fill vessel containing fruits or vegetables with known amount of water.
2. Ensure that water is recirculating in vessel.
3. Add Oxy-15 to no more than 533 ppm (wt/wt) total product (80 ppm residual peroxyacetic acid) in use solution. This can be accomplished by initially adding 53.3 grams (47.8 mls) Oxy-15 per 100 liters of water, or 1.0 fluid ounce Oxy-15 per 16.4 gallons of water.
4. Contact time of 45 seconds minimum is recommended.

B. Continuous systems with constant addition of makeup water:

Initial dose: (this brings the recirculating process water up to an initial properly dosed level of Oxy-15).

1. Ensure that system is recirculating with known amount of water in vessels and piping.
2. Add initial dose of Oxy-15 to no more than 533 ppm (wt/wt) total product (80 ppm residual peroxyacetic acid) in use solution. This can be accomplished by adding 53.3 grams (47.8 mls) Oxy-15 per 100 liters of water, or 1.0 fluid ounce Oxy-15 per 16.4 gallons of water.
3. Contact time of 45 seconds minimum is recommended.

Continuous dose: (ensures steady state dosing of Oxy-15 is maintained). Meter no more than 533 ppm (wt/wt) Oxy-15 total product (80 ppm residual peroxyacetic acid) in proportion to the fresh makeup water added to the system. For example, makeup water flow rates of 16.4 gallons per minute would require a maximum of 1 fluid ounce (29.6 mls) per minute of Oxy-15. Makeup water flow rates of 100 liters per minute would require a maximum of 53.3 grams (47.8 mls) per minute of Oxy-15. Contact time of 45 seconds minimum is recommended.

FOR TREATMENT OF FRUIT AND VEGETABLE SURFACES:

Mix Oxy-15 with water either batchwise or continuously to no more than 533 ppm (wt/wt) total product (80 ppm residual peroxyacetic acid) in use solution. This can be accomplished by initially adding 53.3 grams (47.8 mls) Oxy-15 per 100 liters of water, or 1.0 fluid ounces Oxy-15 per 16.4 gallons of water. The fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining.

FOR TREATMENT OF SEEDS NOT INTENDED FOR HUMAN OR ANIMAL CONSUMPTION:

Apply to seeds as directed to control seedborne microorganisms that cause plant disease or spoilage and decay of developing seedlings. Mix Oxy-15 with clean water either batchwise or continuously to no more than 10,600 ppm (wt/wt) total product (1600 ppm residual peroxyacetic acid) in use solution. This can be accomplished by adding 1,066 grams (957 mls) Oxy-15 per 100 liters of water, or 20 fluid ounces Oxy-15 per 16.4 gallons of water.

The volume of treatment solution should be at least two times greater than the volume of seeds to be treated. The seeds should be submerged in the treatment solution and agitated for 30 minutes. Following treatment, remove seeds from treatment solution and dry.

ACCEPTED
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in EPA Letter Dated:

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STORAGE & DISPOSAL:**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL****STORAGE:** Product should be kept cool and in a vented container to avoid any explosion hazard.**PESTICIDE 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:**

[50 gallon drum] 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.

[300 gallon tote] Verify that the tote is empty. Do not rinse or clean. Seal tote and contact Ecolab for return.

Oxy-15 can be used on the following types of fresh, post harvest and further processed fruits and vegetables:

Vegetables

- ◆ Root and tuber vegetables: Carrot, potato, radish, rutabaga, sweet potato, yam, sugar beet
- ◆ Leaves of root and tuber vegetables: Turnip greens and sugar beet
- ◆ Bulb vegetables: Onion (dry bulb and green), leek, garlic, shallot
- ◆ Leafy vegetables: Lettuce (head and leaf), celery, fennel, endive, escarole, parsley, radicchio, rhubarb, spinach
- ◆ Brassica leafy vegetables: Broccoli, Brussel sprouts, cabbage, cauliflower, mustard greens, mustard spinach
- ◆ Legumes [succulent or dried], bean (green, kidney, lima, mung, navy, pinto, snap, wax), pea (chickpea, lentil, dwarf, garden, English, field, edible pea pod), alfalfa, and soybean
- ◆ Fruiting vegetables: Pepper (bell, pimento, hot, sweet), tomato, tomatillo, eggplant
- ◆ Cucurbits: Cucumber, melon (cantaloupe, crenshaw melon, honeydew, honey ball melon, mango melon, muskmelon, pineapple melon, watermelon), summer squash, pumpkins, winter squash

Fruits

- ◆ Citrus fruits: Sweet and sour orange, lemon, lime, tangelo, tangerine, mandarin, citrus citron, kumquats, grapefruit
- ◆ Pome fruits: Apples and pears
- ◆ Stone fruits: Sour and sweet cherry, peach, nectarine, plum, prune
- ◆ Small Fruits and berries: Blackberries, blueberries, red and black raspberries

Sprouts and seeds of: vegetables and fruits that are listed on this label including, root & tuber vegetables, bulb vegetables, leafy vegetables, Brassica leafy vegetables, legumes, fruiting vegetables, cucurbits, citrus fruits, pome fruits, stone fruits, small fruits and berries, mustardTree nuts: Almond, Brazil, filbert, cashew, pecan, walnut (black & English), macadamia, chestnutCereal grains: Corn, barley, oats, rice, wheat, triticale, wild rice, sweet cornHerbs and Spices: Basil, chives, coriander, dill, lemongrass, marjoram, sage, savory, tarragon, thymeMiscellaneous: Asparagus, avocado, artichoke, banana, cranberry, fig, grape, kiwifruit, mango, mushroom, okra, peanut, persimmon, pineapple, raisins, strawberry, water chestnut, watercressACCEPTED
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