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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 27 1995

Ecolab, Inc.
Ecolab Center
370 Wabasha Street
St. Paul, MN 55102

Attention: Ann M. Oxford
Specialist Regulatory Services

Subject: X-4
EPA Registration Number 1677-51
Your Basic Formulation Dated July 13, 1994

This is in response to your submission to update your Confidential Statement of Formula and label. Your Confidential Statement of Formula dated July 13, 1994 agrees with the revised label, and is acceptable.

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided that you make the revision indicated below before you release the product for shipment bearing the amended labeling.

1. Include the heading "Precautionary Statements" immediately above "Hazards to Humans and Domestic Animals".

A stamped copy is enclosed for your records. Submit five copies of the final printed label.

If you have any questions concerning this letter, please contact Wallace Powell at (703) 305-6838.

Sincerely,



Ruth G. Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



4273

EPA Reg. No. 1677

X-4®

Liquid Sanitizer for Dairy & Food Processing Equipment

ACTIVE INGREDIENT:

SODIUM HYPOCHLORITE..... 6.4%

INERT INGREDIENTS: 93.6%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

DO NOT MIX WITH ANYTHING BUT WATER

See additional precautions on side panel

EPA Est. 1677-IL-2 (J), 1677-NJ-1 (V), 1677-TX-1 (D),
1677-GA-1 (M), 1677-CA-1 (S), 1677-MN-1 (E),
1677-PR-1 (B)

Superscript refers to first letter of date code.

STATEMENT OF PRACTICAL TREATMENT

IF CONTACT WITH SKIN OCCURS, wash plenty of soap and water.

IF CONTACT WITH EYES OCCURS, flush water for at least 15 minutes. Get prompt medical attention.

IF SWALLOWED, drink large amounts of water. DO NOT induce vomiting. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

FOR EMERGENCY MEDICAL INFORMATION CALL TOLL FREE: 1-800-228-0025

Manufactured by:

KLENZADE, Division of Ecolab Inc
Ecolab Center
St. Paul, Minnesota 55102 (C), 1985
7365175300018A Printed in U.S.A.

BEST COPY AVAILABLE 555 LEGALS. (208:2-1)

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HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, may cause severe eye irritation or chemical burns to broken skin. Causes eye pain. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS:

STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with chemicals (e.g., ammonia, acids, detergent, etc.) or organic matter (e.g., urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USE:

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

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

SANITIZATION OF NON-POROUS FOOD CONTACT SURFACES FOR FOOD PROCESSING AND MILK EQUIPMENT

A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 4 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

Clean equipment in the normal manner with a proper detergent and rinse with water. Just prior to use, sanitize by rinsing or immersing equipment with 100 ppm available chlorine. Wet surface thoroughly. All surfaces should be exposed to the sanitizing solution for a period of not less than 2 minutes. Allow sanitizer to drain. Do not rinse equipment with water after treatment. Do not soak overnight.

DISINFECTION OF POULTRY DRINKING WATER

For sanitizing poultry drinking water, mix a ratio of 1 oz. of this product with 16 gallons of water. Discontinue use in poultry drinking water when birds are receiving any medication or vaccine in their water. All utensils and pans should be thoroughly washed and then rinsed or sprayed with 2 oz. of this product in 5 gallons of water.

(Emergency/Public/Individual Systems)

Public Systems: Mix a ratio of 1 oz of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations. Contact your local health department for further details.

STORAGE AND DISPOSAL:

STORAGE: Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

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: (1 gal) Do not reuse empty containers. Wrap container and put in trash. (5, 15, 30, 55 gal plastic) 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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 21 1980

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

1677-51

BEST COPY AVAILABLE

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