

875-190

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN 21 2003

Terry Sabatelli
DiverseyLever
3630 E. Kemper Rd.
Cincinnati, OH. 45241

SUBJECT: October 31, 2002 Amendment
Liqu-A-Klor
EPA Registration 875-190

Dear Mr. Sabatelli:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. In summary, you have revised the First Aid statement in accordance with PR Notice 2001-1, updated the Storage and Handling advisories and changed Inert to Other. In addition to the changes above make the following changes:

Break the words Rinse Method away from the heading "Sanitization of Nonporous Food Contact Surfaces" and insert directly underneath.

The heading "Disinfection of Drinking Water (Emergency/Public/Individual Systems)" must appear directly above Public Systems.

Delete the word "Interim" from National Interim Primary Drinking Water Regulations.

Two copies of the finished labeling must be submitted for the file. A copy of your label is enclosed. If you have any questions regarding this letter, please contact Tom Luminello of my staff at (703) 308-8075.

Sincerely yours,

A handwritten signature in black ink that reads "for Tom Luminello".

Robert S. Brennis

Product Manager (32)

Regulatory Management Branch II
Antimicrobial Division (7510-C)

Enclosure



DiverseyLever

Liqu-A-Klor



Liquid-Bactericide Disinfectant and Sanitizer *(Note to reviewer - this is a product descriptor and is not meant to be part of the product name)*

Not Sold For Residential Use

ACCEPTED
with COMMENTS
in EPA Letter Dated:

ACTIVE INGREDIENT:

Sodium hypochlorite 5.25%

OTHER INGREDIENTS: 94.75%

TOTAL: 100.00%

JAN 21 2003

KEEP OUT OF REACH OF CHILDREN

DANGER

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FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield 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 pesticide is toxic to fish and aquatic organisms. 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.

PHYSICAL AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc., or with ammonia, acids, detergents or other chemicals may release hazardous gases which are irritating to eyes, lungs and mucous membranes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE: Store this product in a cool dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water. Product or rinsate that cannot be used should be diluted with water before disposal in a sanitary sewer.

CONTAINER DISPOSAL:

Plastic Containers - 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

DIRECTIONS FOR USE:

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

FRUIT AND VEGETABLE WASHING: Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 2/3 oz. of this product in 10 gallons of water to make a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

LAUNDRY SANITIZERS

HOUSEHOLD LAUNDRY SANITIZERS: IN SOAKING SUDS: Thoroughly mix 1 Tbs. of this product to 1 gallon of wash water to provide 200 ppm available chlorine. Wait 5 minutes, then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting the wash/rinse cycle.

IN WASHING SUDS: Thoroughly mix 1 Tbs. of this product to 1 gallon of wash water containing clothes to provide 200 ppm available chlorine. Wait 5 minutes, then adding soap or detergent and start the wash/rinse cycle.

COMMERCIAL LAUNDRY SANITIZERS: Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 5 oz. of this product with 10 gallons of water to yield 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES

RINSE METHOD: 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 that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 4 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 4 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight. Sanitizers used in automated systems may be used for general cleaning but may not be reused for sanitizing purposes.

875-190 drop one line down

IMMERSION METHOD: 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 that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 4 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 4 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

MECHANICAL WASHERS: After cleaning and rinsing equipment or containers, apply a sanitizing spray rinse containing 200 ppm available chlorine by adjusting mechanical feeding device to meter 2 oz. of this product per 4 gallon of water. Maintain contact with sanitizer solution for at least 1 minute. Test sanitizer frequently during operation with a chlorine test kit to insure that solution does not drop below 50 ppm available chlorine. Remove and drain sanitized items. Sanitizer used in automatic systems maybe used in the general cleaning process but may NOT be re-used for sanitizing purposes. If no test kit is available or if available chlorine has dropped 50 ppm during sanitizing, either discard the sanitizer solution or add sufficient sanitizer to reestablish a 200 ppm available chlorine sanitizer strength by diluting 2 oz. of product in 4 gallons of water. Resanitize equipment. Do not rinse equipment with water after sanitizing and do not soak equipment overnight in sanitizer solution.

Disinfection of Drinking Water (Emergency / Public / Individual Systems)

PUBLIC SYSTEMS: Mix a ratio of 1/4 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 at a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.

delete

EPA Reg. No. 875-190

EPA Est. No. 875-OH-1[50]; 875-PA-1[80]; 875-WI-1[10]; 550-KY-1[8H]; 9365-FL-1[21];

75-CA-4-[MD]. Bracketed numbers/letters are the first numbers/letters of the batch number

Net Contents:

- 4 x 3.78 L (1 US gal)
- 208 L (55 US gal)
- 832 L (220 US gal)

DiverseyLever
3630 E. Kemper Rd.
Cincinnati, OH 45241
800 233 1000

JAN 21 2003

24 Hr EMERGENCY TELEPHONE:
Medical: (Call Collect) 303 592 1024
Transportation: (CHEMTREC) 800 424 9300

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