

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

875-20004

DATE OF ISSUANCE
SEP 07 1994

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Liqu-A-Klor

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Diversey Corporation
12025 Tech Center Drive
Livonia, MI 48150-2193

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

1. Add "This pesticide is toxic to fish and aquatic organisms" at the beginning of the Environmental Hazard statements.
2. In the "Mechanical Washes" instructions, change 100 ppm to 200 ppm and adjust dosage rate accordingly. Also, include a statement indicating a/minute contact time.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

A stamped copy of the product label is enclosed for your records. Submit one copy of the final printed label before releasing the product in channels of trade with the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.



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

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: 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 sewage systems without previously notifying the local sewage treatment plant authority 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:

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 residue that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

CONTAINER DISPOSAL - 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.

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 add 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.

Contains No Phosphorus

HEALTH - 3, FLAMMABILITY - 0,
REACTIVITY - 0, PERSONAL PROTECTION - C

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Not Sold For Residential Use

ACTIVE INGREDIENT:

Sodium Hypochlorite 5.25%

INERT INGREDIENTS 94.75%

100.00%

**KEEP OUT OF THE REACH OF CHILDREN.
DANGER:**

STATEMENT OF PRACTICAL TREATMENT: If on skin, wash with plenty of soap and water. If in eyes, flush with 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.

EPA Registration No. 875-20004
EPA Establishment No. 875-OH-1 (5)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 07 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide registered under EPA Reg.

Diversey Corp • Livonia MI 48150-2193 • 313 458 5000
24 HOUR EMERGENCY TELEPHONE • Medical: (Call Collect) 303 592 1024
Transportation: (CHEMTREC) 800 424 9300

Net Contents 5 Gal (18.9 L)

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 re-used for sanitizing purposes.

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 sanitizing solution for at least 2 minutes and allow the sanitizer to remain. 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 100 ppm available chlorine by adjusting mechanical feeding device to meter 1 oz. of this product per 4 gallon of water. 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 may be 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.

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.



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