

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

62495-3

DATE OF ISSUANCE

18 JUN 1991

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Liquid-Chlor Sodium Hypochlorite Solution

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREGERISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

The Maderex Corporation
P.O. Box 540155
DALLAS, TX 75354-0155

BEST AVAILABLE COPY

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency required all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. The EPA Registration No. on your current label is incorrect. Change it to "62495-3". The EPA Establishment No. is also incorrect. Revise the label accordingly.

b. In the Directions for Use, under the heading "Meat and Poultry Processing Plants," in the second sentence, change "7½" to a number that is approximately 8.3 -- e.g., "8½".

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

☒ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

A stamped copy of the label is enclosed for your records.

Sincerely,

A handwritten signature in dark ink, appearing to be 'R' followed by a stylized 'D' or 'G', enclosed within a circular flourish.

Ruth G. Douglas
Acting Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7504C)

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hsc

**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 safety glasses or 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 strong odors have dissipated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams, ponds or public waterways unless in accordance with NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:
STRONG OXIDIZING AGENT**

Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, 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.

STORAGE AND DISPOSAL

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

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.

Pesticide Disposal: Product or residues that cannot be used should be diluted with water before disposal in a sanitary sewer.

Container Disposal: Do not reuse empty container but place in trash collection. (If containers are to be recycled for refilling with Sodium Hypochlorite Solution, return to distributor for refilling.)

ACCEPTED
18 JUN 1991
Under the provisions of the
Federal Insecticide, Fungicide,
and Rodenticide Act
62495-3

LIQUI-CHLOR
**SODIUM HYPOCHLORITE
SOLUTION**

ACTIVE INGREDIENTS:

SODIUM HYPOCHLORITE

INERT INGREDIENTS

KEEP OUT OF REACH OF CHILDREN •

STATEMENT OF PRACTICAL TREATMENT

FIRST AID

If contact with skin occurs, wash with plenty of soap and water. If contact with eyes occurs, flush with water. Get prompt medical attention. If swallowed, drink large quantities of milk or gelatin solution, or if large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL.

Degrades with age. Use a test kit and increase dosage as necessary to obtain required level of available chlorine.

Directions: This product should be used in conjunction with a chlorine test kit and added to the pool in such amount that the residual chlorine in the pool water is maintained at a minimum concentration of 3.0 ppm at all times and the pool water is clear.

EPA Reg. No. 123-005

NET CONTENTS:



THE EXCELEX CORPORATION

P.O. Box 540155
Dallas, Texas 75354-0155
Phone (214) 352-5766

2925
Dallas,

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4-84

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LIQUI-CHLOR

SODIUM HYPOCHLORITE SOLUTION

INGREDIENTS:
 HYPOCHLORITE 9.2%
 STABILIZERS 90.8%

STATEMENT OF PRACTICAL TREATMENT
FIRST AID
 In case of contact with eyes, flush with water for at least 15 minutes. If swallowed, drink large quantities of milk or water; solution, or if these are not available, drink vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention.
ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

Increase dosage as necessary to obtain required level of available chlorine.
 Use in conjunction with a chlorine test kit and added to the pool in sufficient quantity to insure that the residual is at a minimum concentration of 0.5 ppm at all times and the pool pH maintained at 7.2 to 7.8.
 EPA Est. No. TX-1

THE EXCELEX CORPORATION

Box 540155
 Dallas, Texas 75354-0155
 Tel (214) 352-5766
 2929 Storey Lane
 Dallas, Texas 75220

DIRECTIONS FOR USE

SWIMMING POOLS

To maintain the pool, add manually or by a feeder device 1/2 (1/2) oz of the product for each 10,000-gallons of water to yield an available chlorine residual between 0.5 to 1.0 ppm by weight. Submerged pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.
 Use the table below for addition of this product to maintain an available chlorine residual between 0.5 to 1.0 ppm by weight.

Gallons of Water	Sodium Hypochlorite Solution Required
500	1/2 oz (4 teaspoons)
1,000	1 1/2 oz (8 teaspoons)
5,000	6 1/2 oz (1/2 cup)
10,000	12 1/2 oz (1 1/2 cups)
25,000	31 1/2 oz (4 cups)

Every 7 days, or as necessary to combat the growth of algae, superchlorinate the pool with 84 to 128 oz of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm. Dilute the required amount of sodium hypochlorite solution with at least 10 additional volumes of water. The diluted solution can be spread over the surface of the pool from the edges with a plastic sprinkler can.

COMMERCIAL LAUNDRY BLEACH SANITIZER

Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 2.5 oz of this product with 10 gallons of water to yield 200 ppm available chlorine. Primarily after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with 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.

MILK PLANT AND DAIRY EQUIPMENT

Bottles, bottlefillers, coolers, pasteurizers, churns, separators, utensils and other equipment may be sanitized by using sodium hypochlorite. Surfaces or articles to be sanitized must be thoroughly pre-cleaned. Rinse all surfaces with the sanitizing solution prepared by adding 2.5 oz of this product with 10 gallons of water to provide 200 ppm available chlorine by weight. Maintain contact for at least 2 minutes after sanitizing, do not rinse equipment with water after treatment and do not soak equipment overnight.

MEAT AND POULTRY PROCESSING PLANTS

Surfaces or articles to be sanitized must be thoroughly pre-cleaned. Solutions containing 800 ppm available chlorine by weight (7 1/2 oz. (1 cup) sodium hypochlorite solution per 10 gallons water) may be used for sanitizing walls, floors, ceilings and similar areas. Maintain contact with sanitizer for at least 2 minutes. Do not rinse after sanitizing. Solutions containing 200 ppm available chlorine (2.5 oz. (1/2 cup) sodium hypochlorite solution per 10 gallons water) may be used on visible product equipment. Maintain contact time with sanitizer for at least

2 minutes. Do not rinse after sanitizing. Do not allow the solution to come directly in contact with meat or poultry.

DRINKING WATER DISINFECTION

Sodium hypochlorite solution may be used to disinfect water supplies. Use a ratio of 1.5 oz of this product to 100 gallons water. Begin feeding the 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 not less than that prescribed by the National Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.

FOOD EGG SANITIZATION

Thoroughly clean all eggs. Thoroughly mix 2.5 oz (1/2 cup) of the product with 10 gallons of warm water to produce a 200 ppm available chlorine solution. The sanitizer temperature should not exceed 130°F. Spray the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be re-used to sanitize eggs.

RESTAURANTS AND TAVERNS

After washing with dishwashing detergent and rinsing with clean water, immerse utensils in sanitizing solution prepared by adding 2.5 oz of the product with 10 gallons of water to provide 200 ppm available chlorine by weight. Maintain contact with sanitizer for at least 2 minutes and allow sanitizer to drain. Do not rinse utensils with water after treatment.

MACHINE DISHWASHING TERMINAL RINSE SANITATION

As a terminal sanitizing rinse for pre-cleaned food utensils, adjust automatic dispensing equipment to provide a sanitizing use solution of 100 to 200 ppm available chlorine by weight according to requirements of Public Health Authorities. Use solution should be tested frequently with a suitable chlorine test kit to ascertain that the rinse strength does not fall below 50 ppm. In absence of a test kit a starting concentration of 200 ppm should be used. Do not rinse utensils with water after treatment.

DISINFECTION OF COOLING TOWER WATER

For the control of bacteria, algae and fungi, add Sodium Hypochlorite Solution to the lower basin, distribution box or some other point to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, application of 1/2 pint (10-20 oz) of Sodium Hypochlorite Solution per 1,000 gallons of water in the system will achieve 7.5-15.0 ppm available chlorine by weight. If necessary repeat procedure until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, application of 1/4 pint (5-10 oz) of Sodium Hypochlorite Solution per 1,000 gallons of water in the system will achieve 3.75-7.5 ppm available chlorine by weight. Apply treatment weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun. This Sodium Hypochlorite Solution weighs 10.2 lbs per gallon.