



ACCEPTED
With Comment
EPA letter dated
SEP 17 1982
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this pesticide registered under EPA Reg. No. 48393-1

**PRECAUTIONARY STATEMENTS
 HAZARDS TO HUMANS
 AND DOMESTIC ANIMALS**

DANGER: Corrosive, may cause severe skin 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. Keep out of lakes, streams or ponds. Treated effluent may not be discharged into lakes, streams, ponds or public waters without a valid discharge permit. For guidance, contact the regional office of the Environmental Protection Agency.

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 irritating to eyes, lungs and mucous membranes.

Manufactured by:
 Lavigne Pool Chemicals
 Box 231
 Charlotte, VT 05445

EPA REG. NO.: _____ EPA EST. NO.: _____

NET CONTENTS: _____

DOCUMENT AVAILABLE

SODIUM HYPOCHLORITE SOLUTION

ACTIVE INGREDIENT
 SODIUM HYPOCHLORITE..... 12.5%
 INERT INGREDIENTS 87.5%

**KEEP OUT OF REACH OF CHILDREN
 DANGER**

FIRST AID: If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of milk, or gelatin solution or, if these are not available, drink large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention.

See additional precautions on side panel.

**DIRECTIONS FOR USE
 GENERAL CLASSIFICATION**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DIRECTIONS FOR SWIMMING POOL CHLORINATION

For a new pool or for spring start-up, superchlorinate with one (1) pint (16 fl. oz.) sodium hypochlorite solution for each 3000 gallons of water. This dosage is equivalent to 5 ppm available chlorine by weight.

For Pool Maintenance:
 (A) Adjust pool water pH to 7.6-7.2 range and maintain.
 (B) Add manually or by a feeder device this sodium hypochlorite solution at a rate to maintain an available chlorine residual of 0.6 to 1.0 ppm. One-fourth pint (4 fl. oz.) of this sodium hypochlorite solution for each 4000 gallons of water will provide 1 ppm available chlorine by weight. Frequency of additions to maintain 0.6 to 1.0 ppm available chlorine will depend on temperature and number of swimmers. Use a DPD chlorine test kit to make certain pH and chlorine residual are in the proper range.

DIRECTIONS FOR DISINFECTION OF POTABLE WATER AT WATER TREATMENT FACILITIES

Dilute this sodium hypochlorite solution in the ratio of one part sodium hypochlorite solution to 11 parts softened water. Mix sodium hypochlorite solution thoroughly and begin feeding of solution with a hypochlorinator (metering device). Maintain a free available chlorine residual of at least 0.2 ppm and no more than 0.5 ppm throughout the distribution system, as determined by a DPD chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by National Interim Primary Drinking Water Regulations. Check water frequently with a DPD chlorine test kit.

DIRECTIONS FOR SANITIZING FOOD PROCESSING OR DAIRY EQUIPMENT

Clean equipment in the normal manner. Just before using, rinse all surfaces thoroughly with this sodium hypochlorite solution containing 200 ppm available chlorine. Then contact with disinfectant for a minimum of two minutes. Do not rinse with water. Rinse with sodium hypochlorite solution. Do not soak overnight. Addition of 2 oz. (2 lbs/ops) of this sodium hypochlorite solution per 5 gallons of water will provide approximately 200 ppm available chlorine by weight.

STORAGE AND DISPOSAL:

Store in a cool, dry place away from direct sunlight. In case of spill, flood area with large quantities of water. Empty container thoroughly with water and either return to manufacturer or dispose of in trash collection or burying in an approved landfill. Product or rinsate cannot be used, should be diluted with water and disposed of in a sanitary sewer. Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

STORE IN AN UPRIGHT POSITION

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For Pool Maintenance:

(A) Adjust pool water pH to 7.6-7.2 range and maintain.

(B) Add manually or by a feeder device this sodium hypochlorite solution at a rate to maintain an available chlorine residual of 0.6 to 1.0 ppm. One-fourth pint (4 flu. ozs) of this sodium hypochlorite solution for each 4000 gallons of water will provide 1.0 ppm available chlorine by weight. Frequency of additions to maintain 0.6 to 1.0 ppm available chlorine will depend on temperature and number of swimmers. Use test kit to make certain pH and chlorine residual are in the proper range.

**DIRECTIONS FOR DISINFECTION OF POTABLE WATER
 AT WATER TREATMENT FACILITIES.**

Dilute this sodium hypochlorite solution in the ratio of one part sodium hypochlorite solution to 11 parts softened water. Mix sodium hypochlorite solution and water thoroughly and begin feeding of solution with a hypochlorinator (metering pump). Maintain a free available chlorine residual of at least 0.2 ppm and no more than 0.5 ppm throughout the distribution system, as determined by a DPD chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations*. Check water frequently with a DPD chlorine test kit.

*Contact your local Health Department for further details.

DIRECTIONS FOR SANITIZING FOOD PROCESSING OR DAIRY EQUIPMENT

Clean equipment in the normal manner. Just before using, rinse all surfaces thoroughly with this sodium hypochlorite solution containing 200 ppm available chlorine. Maintain contact with disinfectant for a minimum of two minutes. Do not rinse with water after treatment with sodium hypochlorite solution. Do not soak overnight. Addition of one flu. oz. (2 tblsp) of this sodium hypochlorite solution per 5 gallons of water will provide approximately 200 ppm available chlorine by weight.

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

STORAGE AND DISPOSAL:

Store in a cool dry area away from direct sunlight. In case of spill, flood area with large quantities of water. Rinse empty container thoroughly with water and either return to manufacturer or discard by placing in trash collection or burying in an approved landfill. Product or rinseate that cannot be used, should be diluted with water and disposed of in a sanitary sewer. Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

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 HAZARDS TO HUMANS
 AND DOMESTIC ANIMALS**

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PHYSICAL AND CHEMICAL HAZARDS:

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

Manufactured by:
 Lavigne Pool Chemicals
 Box 231
 Charlotte, VT 05445

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U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

48393-1

SEP 17 1982

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Laviana Tool Chemicals
Box 231
Cape Charles, VA 23042

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 endorsement 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 requires all registrants of similar products to submit such data.

2. Add the phrase "EPA Registration No. 48393-1" to your label before you release the product for shipment.

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.

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

[Signature]
for A. E. Castillo
Product Manager (32)
Disinfectants Branch
Registration Division (205-7670)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

BEST COPY AVAILABLE

DATE

Directions For Use (continued)

hiding places, in cracks and crevices, base walls and dark places. Spray surfaces until wet, but not to the point of run-off.

PESTS OUT-OF-DOORS:

DO NOT TREAT OR ALLOW THE SPRAY TO CONTACT PLANTS (LAWNS, FLOWERING PLANTS, SHRUBS, TREES, EVERGREENS, ETC.) BECAUSE OF POSSIBLE INJURY.

PESTS ON OUTSIDE SURFACES OF BUILDINGS: Use this product to control ants, clover mites, crickets, earwigs, millipedes, and cockroaches on the outside surfaces of buildings. Apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

HOUSEFLIES, MOSQUITOES, GNATS, FLYING MOTHS, OUTDOORS: For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary.

ANTS, BROWN DOG TICKS, CRICKETS, FLEAS, AND EARWIGS OUTDOORS: For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestations warrant and as reinfestations occur.

FIRE ANTS: Kills and reduces annoyance of these insects. To reduce annoyance from these ants and keep them from entering homes, spray patios, barbecue areas, driveways, entryways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, around pools and other areas where the ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population. Repeat as necessary. Avoid contacting plants, shrubbery and large areas of lawns.

WARRANTY STATEMENT

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

BEST DOCUMENT AVAILABLE

1/24/82
6/2/82

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wash hands after using.

In food handling areas, application is limited to crack and crevice and/or spot treatment. Do not apply directly to food or feedstuffs. In commercial food handling facilities, cover or remove any food or food processing equipment during application. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes and skin with plenty of water. If irritation develops or persists, get medical attention.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

PHYSICAL AND CHEMICAL HAZARDS

Contents under pressure. Do not puncture or incinerate container. Do not use near heat or open flame. Exposure to temperatures above 130°F (54.5°C) may cause bursting.

Do not apply this product in conduits, motor housings, junctions, and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be stained or harmed by water.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and place in trash collection.

Shake well before each use. Remove protective cap. Hold can upright and aim spray opening away from person. Push button to spray.

INSTRUCTIONS FOR CONTACT AND RESIDUAL SPRAYS:

FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, APARTMENT BUILDINGS, COMMERCIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, RECREATIONAL BUILDINGS, BOATS, SHIP CABINS, AND HOSPITALS. IN HOSPITALS, REMOVE PATIENTS PRIOR TO TREATMENT. VENTILATE ROOMS FOR TWO HOURS BEFORE RETURNING PATIENTS.

BEST DOCUMENT AVAILABLE