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

33006-4

LUANCE SEP 30 1993

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

REREGISTRATION (Under the Federal Insecticide, Fungicide,

and Rodenticide Act, as amended)

REGISTRATION

Sodium Hypochlorite Solution

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Hukill Chemical Corporation

7013 Krick Road Bedford, OH 44146

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NOTICE OF PESTICIDE:

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 'roduct 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 Acr 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:

- In the "If Swallowed" instruccions in the Statement of 1. Practical Treatment, delete the reference to milk and qelatin solution.
- Replace the text of the Environmental Hazards section 2. with the following:

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public

ATTACHMENT IS APPLICABLE	
SIGNATURE OF APPROVING OFFICIAL	CATE
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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.

Note that your source product is not yet reregistered. A revision of the active ingredient declaration may be necessary when your source product is reregistered, if the active ingredient declaration on the labels are different.

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

Submit one copy of the final printed labeling 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 sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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Ruth G. Douglas Product Manager 32 Antimicrobial Program Branch Registration Division (H-7504C)

Enclosure

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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. 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 strong odors have dissipated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into takes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

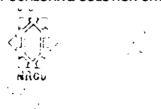
PHYSICAL OR CHEMICAL HAZARDS

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.

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EPA REG. NO.: 33006-4 EPA EST. NO.: 33006-OH-01

HYPOCHLORITE SOLUTION UN1791



SODIUM HYPOCHLORITE SOLUTION

"FOR INDUSTRIAL USE, SWIMMING POOL CHLORINATION AND SANITIZING"

DANGER

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

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

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

IF SWALLOWED, drink large quantities of milk or gelatin solution, 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.

(Sec additional precautions on side panel.)

NET CONTENTS 55 GALLONS

BEST AVAILABLE

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.

SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 52 to 104 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. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

To maintain the pool, add manually or by a feeder device 11 oz of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by, weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. 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.

Every seven (7) days, or as necessary, superchlorinate the pool with 52 to 104 oz of product for each 10,000 gailons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kil. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm.

At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

WINTERIZING POOLS — While water is still clear and clean, apply 3 oz. of product per 1000 gallons, while filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instruct ins.

DISINFECTION OF POTABLE WATER AT WATER TREATMENT FACILITIES

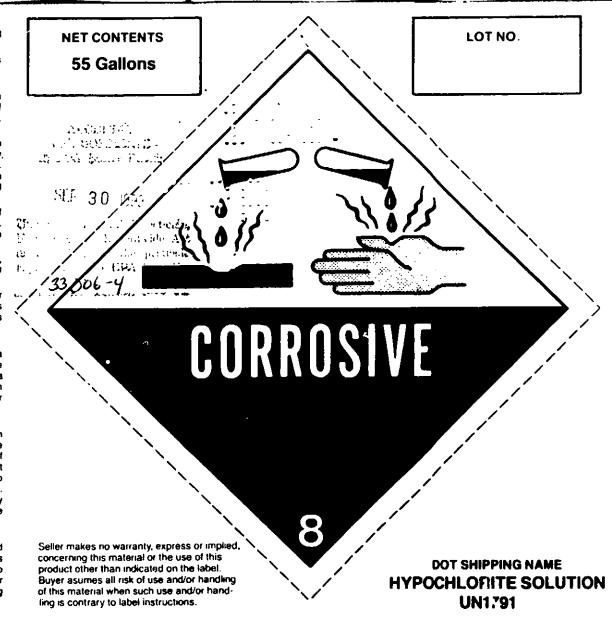
Mix a ratio c. 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlor nator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological 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.

SANITIZING FOOD PROCESSING OR DAIRY EQUIPMENT

Before application of this sodium hypochlorite solution, thoroughly wash all surfaces with a compatible cleaner, followed by a potable water rinse to remove food particles. Prepare a 200 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 5 gallons of water. Rinse all surfaces thoroughly with this sanitizing solution, maintaining a contact time of at least two (2) minutes. Drain the used solution from the surface and air dry. Do not rinsh equipment with water after treatment and do not soak the equipment overnight. For automated operations, the drained solution must not be reused for sanitizing but may be used for general cleaning. For manual operations, fresh sanitizing solution must be prepared daily, or more often if the solution becomes diluted or soiled.

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 areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container, but rinse thoroughly with water and either return to manufacturer or place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment. Store in upright position.



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