

PM3a 65560-3
US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

62-9-97
EPA REGISTRATION NO.

65560-3

114
DATE OF ISSUANCE

DEC 9 1997

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Sodium Hypochlorite 10%

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Worth Chemical Corporation
P. O. Box 20725
Greensboro, NC 27420

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 section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/re-registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 65560-3"
 - b. Revise the "Environmental Hazards" statement to read: "This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. 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."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

- 3. Submit one copy 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.

Please note that on the proposed label the declared percentages for the active and inert ingredients in the ingredient statement should be aligned to the same margin.

Active Ingredients:
 Sodium Hypochlorite 10.0%
 Inert Ingredients 90.0%
 Total 100.0%

Also, the labels and labeling of all products must comply with EPA's current regulations and requirements according to 1986 Registration Standard.

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.

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

Sincerely yours,



Robert S. Brennis
 Acting Product Manager (32)
 Regulatory Management Branch II
 Antimicrobial Division (7504C)

Enclosure

SODIUM HYPOCHLORITE 10%

ACTIVE INGREDIENT: SODIUM HYPOCHLORITE.....10.0%
 INERT INGREDIENTS:90.0%
 TOTAL:100.0%

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER! CAUSES SEVERE BURNS TO SKIN, EYES AND MUCOUS MEMBRANES. STRONG OXIDIZING AGENT. MIX ONLY WITH WATER. MIXING WITH AMMONIA, ACIDS AND OTHER CHEMICALS MAY RELEASE HAZARDOUS, IRRITATING GASES.

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOID BREATHING VAPORS. KEEP CONTAINERS CLOSED. USE GOGGLES, FACE SHIELD, RUBBER GLOVES AND SHOES. VACATE POORLY VENTILATED AREAS IMMEDIATELY AND DO NOT RETURN UNTIL ODORS HAVE DISSIPATED. WASH THOROUGHLY AFTER HANDLING.

ENVIRONMENTAL HAZARD:

THIS PESTICIDE IS TOXIC TO FISH AND AQUATIC ORGANISMS. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEANS OR PUBLIC WATERS UNLESS IN ACCORDANCE WITH AN NPDES PERMIT OR INTO A SEWER SYSTEM WITHOUT PROPER NOTIFICATION. FOR GUIDANCE CONTACT YOUR STATE WATER BOARD OR EPA REGIONAL OFFICE.

FIRST AID:

IN CASE OF CONTACT WITH EYES OR SKIN, FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF SWALLOWED, DO NOT INDUCE VOMITING. DILUTE BY DRINKING LARGE AMOUNTS OF WATER. CALL A PHYSICIAN.

FOR FIRE:

USE FULL PROTECTIVE EQUIPMENT. FLOOD WITH WATER OR CO2. MATERIAL IS A STRONG OXIDIZER. DECOMPOSITION PRODUCTS MAY INCLUDE CHLORINE.

FOR SPILL:

CONTAIN AND COLLECT OR NEUTRALIZE WITH SODIUM BISULFITE OR FERROUS SALT SOLUTIONS AND FLUSH WITH WATER. REPORTABLE SPILL QUANTITY IS 100 LBS. OBSERVE GOVERNMENTAL REGULATIONS FOR DISPOSAL.

EMERGENCY TELEPHONE NO:
 CHEMTREC 1-800-434-9300
 24-HOURS

HAZARD RATINGS:

HEALTH 3
 FLAMMABILITY 0
 REACTIVITY 1

DISCLAIMER OF WARRANTIES

WORTH CHEMICAL CORPORATION DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. THE CORPORATION SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES INCURRED BY THE PURCHASER THROUGH THE USE OF THIS PRODUCT.

LABEL #: BL-5
 REVISED: 9/2/97



DOT SHIPPING NAME: RD. HYPOCHLORITE SOLUTION
 DOT ID NUMBER: UN1791
 EPA REG. #: 65560-
 EPA EST. #: 65560-NC-1

PACKAGED
 BY:



ACCEPTED
 with COMMENTS
 in EPA Letter Dated:

DEC 9 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 65560-3

SODIUM HYPOCHLORITE 10%

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **FOR END USE NOTE:** This product degrades with age. Use a chlorine test kit and measure dosage as necessary to obtain the required level of available chlorine.

COMMERCIAL LAUNDRY SANITIZERS

Wet fabrics or clothes should be spun dry prior to sanitization. Add this product until 200 ppm available chlorine solution is obtained. Proceed after mixing the sanitizer, add the solution into the process prior to washing fabric/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

WASH 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 level does not drop below 50 ppm. If no test kit is available, prepare a sanitizing solution 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, making contact with the sanitizer for at least 2 minutes. If the 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 200 ppm residual. Do not rinse equipment with water after treatment and do not seek equipment overnight.

Sanitizers used in automated equipment may be used for general cleaning but may not be re-used for sanitizing purposes.

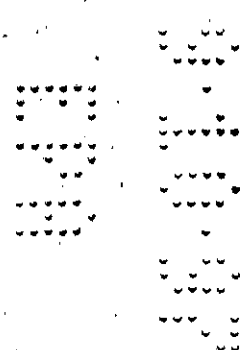
DIMENSIONAL METHOD - A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. If no test kit is available, prepare a sanitizing solution to provide approximately 200 ppm available chlorine by weight.

Clean equipment in the normal manner. Prior to use, rinse equipment in the sanitizing solution for at least 2 min. and allow the sanitizer to drain. If solution contains less than 50 ppm available chlorine, 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.

LABEL #: BL-6
REVISED: 9/2/97

PACKAGED
BY:



FLOW/PRESSURE METHOD - Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to use. Prepare a volume of a 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment. Pump solution through the system until full flow is obtained at all connections, the system is completely filled with sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 min. to insure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if chlorine contains less than 50 ppm available chlorine. Rinse system with potable water prior to use.

CLEAN-UP PLACE METHOD - Thoroughly clean equipment after use. Follow manufacturer's method except field equipment under pressure for at least 15 min. to insure contact with all internal surfaces. Drain sanitizers.

SPRAY/FOG METHOD - Pre-clean all surfaces after use. Use a 200 ppm available chlorine solution to control bacteria, mold or fungi and a 600 ppm solution to control enterobacteria. Prepare a 200 ppm sanitizing solution of sufficient size. Use spray or fogging equipment which can resist hypochlorite solutions. Always empty and rinse spraying equipment with potable water after use. Thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Verify area for at least 2 hrs. Prior to using equipment, rinse all surfaces treated with a 600 ppm solution with a 200 ppm solution.

DISINFECTION OF DRINKING WATER (EMERGENCY/PUBLIC SYSTEMS)

PUBLIC SYSTEMS - Prepare a 10 ppm solution. Begin feeding this solution with a hypochlorinator with a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is obtained throughout the distribution system. Check water frequency with a colorimetric test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Sanitation Primary Drinking Water Regulations. Contact your local Health Department for further details.

EMERGENCY DISINFECTION - When boiling of water for 1 min. is not practical, water can be made potable by using this product. Prior to addition of the sanitizer remove all suspended material by filtration or by allowing to settle to the bottom. Decant the clarified, undisturbed water to a clean container and add 1 drop of this product to 20 gal. of water. Allow the treated water to stand for 30 min. Properly treated water should have a slight chlorine odor, if not, repeat dosage and allow the water to stand an additional 15 min. The treated water can then be made potable by pouring it between clean containers several times.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 9 1997

Under the Federal Insecticide,
Fungicide and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 65560-3

AGRICULTURAL USES

FOR EGG SANITIZATION - Thoroughly clean all egg trays. Add this product until 200 ppm available chlorine solution is obtained. The sanitizer temperature should not exceed 100°F. Spray the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before setting or incubating. Do not apply a pesticide water rinse. The solution should not be re-used to sanitize eggs.

FRUIT & VEGETABLE WASHING - Thoroughly clean all fruits and vegetables in a wash tank. Add this product until solution of 25 ppm available chlorine is obtained. After draining the tank, submerge fruit or vegetables for 2 min. in a soapy wash tank containing the recommended sanitizing solution. Spray rinsed vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

COOLING FREEZER/REFRIGERATE CONDENSER WATER

SLUG FEED METHOD - Initial dose: When system is automatically flooded, add this product in the system to obtain 1 ppm available chlorine. Repeat until residual is achieved. Subsequent dose: When manual control is evident, add this product in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Daily feed systems must be cleaned before treatment is begun. **INTERMITTENT FEED METHOD** - Initial dose: Obtain 5 to 10 ppm available chlorine as in slug feed method procedure. Apply half (1/2 or 1/4 or 1/3) of this initial dose when half (or 1/3 or 1/4 or 1/5) of the water in the system has been fed by hand. Subsequent dose: Maintain a 1 ppm residual in the water. Apply as in initial dose. Clean heavily fouled systems before treatment.

CONTINUOUS FEED METHOD - Initial dose: Obtain 5 to 10 ppm available chlorine as in slug feed method procedure. Subsequent dose: Maintain this treatment level by allowing a continuous feed of this product per 1,000 gallons of water fed by hand. Maintain a 1 ppm residual. Clean heavily fouled systems before treatment.

SPRINKLING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 54 to 900 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 total residual 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 ammonia or big brother drops 12 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. Sanitized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers. Every 7 days, or as necessary, superchlorinate the pool again to yield 5 to 10 ppm available chlorine. Check level with a test kit. Do not re-enter pool until the chlorine residual is between 1.0 and 3.0 ppm. At the end of pool season or when water is drawn from pool, either the chlorine is dissipated from pool before discharge and do not chlorinate within 24 hrs. prior to discharge.

WATERFILL Pools - While water is still clear and clean, apply 4 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 filter, filter and heater components for water by following manufacturers' instructions.

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