



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
218970

Application for Pesticide - Section I

1. Company/Product Number Thatcher Company # 9768-7	2. EPA Product Manager Ruth Douglas	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) T-Chlor	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Thatcher Company P.O. Box 27407 Salt Lake City, UT 84127 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

addition of 200 gallon label for the product.

NOTIFICATION

MAR 24 1996

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 200 gallon		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Steve Meredith	Title Regulatory Manager	Telephone No. (Include Area Code) 801-972-4587 X252
2. Signature <i>Steve Meredith</i>		6. Date Application Received (Stamped)
3. Title Regulatory Manager		
4. Typed Name Steve Meredith	5. Date 10/1/95	

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.



T-CHLOR

HIGH TEST SODIUM HYPOCHLORITE SOLUTION
DISINFECTANT - BLEACH - DEODORANT

2/2

ACTIVE INGREDIENT: Sodium hypochlorite... 11.9%
INERT INGREDIENTS 88.1%

KEEP OUT OF REACH OF CHILDREN DANGER

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 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 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 sewer treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Mix product only with water according to label directions. Do not mix this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) which will release chlorine and other hazardous gases which are irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USING T-CHLOR

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.

STORAGE AND DISPOSAL: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood areas with large quantities of water. Products or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse container, but place in trash collection. Do not contaminated food or feed by storage, disposal or cleaning of equipment.

SWIMMING POOL WATER DISINFECTION: For a new pool or spring start-up, superchlorinate with 47 to 94 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 the pool water pH to between 7.2 and 7.6. Adjust and maintain the alkalinity of the pool to between 50 and 100 ppm. To maintain the pool, add manually or by a feeder device 8 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 and 1.0 ppm by weight. Stabilized 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 on temperature and number of swimmers. Every 7 days, or as necessary, superchlorinate the pool with 47 to 94 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 re-enter the pool until the chlorine residual is between 1.0 and 3.0 ppm. At the end of the swimming pool season, or when water is 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 1,000 gallons of water, 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 instructions.

SPAS, HOT TUBS: Apply 5 oz. of product per 1,000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of this product.

DISINFECTION OF NONPOROUS NON-FOOD CONTACT SURFACES: RINSE METHOD. Prepare a disinfecting solution by thoroughly mixing 6 oz. of this product with 10 gallons of water to provide approximately 600 ppm available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution, maintaining contact with the solution for at least 10 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES. 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 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse the equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. 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. **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 fall below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 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 reused for sanitizing purposes. **FLOW/PRESSURE METHOD:** Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to use. Prepare a volume of 200 available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product in a ratio of 2 oz product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to insure contact with all internal surfaces. Remove some solution from drain valve and test with a chlorine kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine. Drain solution from equipment. Do not rinse with water after treatment. **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 bacteriophage. Prepare a 200 ppm sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 2 oz. product with 10 gallons of water. Prepare a 600 ppm solution by thoroughly mixing the product in a ratio of 6 oz. product with 10 gallons of water. Use spray or fogging equipment which can resist hypochlorite solutions. Thoroughly spray or fog all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces treated with a 600 ppm solution with a 200 ppm solution. Always empty and rinse spray/fog equipment with potable water after use.

AGRICULTURE USES: POST HARVEST PROTECTION: Potatoes can be sanitized after cleaning and prior to storage by spraying with a sanitizing solution at a level of 1 gallon of sanitizing solution per ton of potatoes. Thoroughly mix 1 oz. of this product to 2 gallons of water to obtain 500 ppm available chlorine.

POTABLE WATER TREATMENT: PROCESSING WATER IN MEAT AND POULTRY PLANTS: Mix 1 gallon of this product with 100 gallons of water. Dispense this solution with a hypochlorinator to maintain a concentration of up to 5 ppm available chlorine. Check water frequently with a chlorine test kit to insure that the chlorine is dispensed at a constant level. For poultry chiller water, water for reprocessing poultry carcasses internally contaminated with feces, and final wash water for red meat carcasses, dispense the mixed solution with a hypochlorinator to maintain a concentration between 15 and 20 ppm available chlorine. Check water frequently with a chlorine test kit to insure chlorine is dispensed at a constant level. **DISINFECTION OF PUBLIC DRINKING WATER SYSTEMS:** Mix a ratio of 1 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 Drinking Water Regulations. Contact your local health department for further details.

STATEMENT OF PRACTICAL TREATMENT

IF CONTACT WITH EYES OCCURS, flush with water for at least 15 minutes. Get prompt medical attention.
IF SKIN CONTACT OCCURS, wash with plenty of soap and water.
IF SWALLOWED, drink large quantities of water. DO NOT induce vomiting. DO NOT give vinegar or other acids.
Get prompt medical attention.

RO
HYPOCHLORITE SOLUTION
UN 1791

EPA Est. No. 9768-UT-1

Contents: 200 Gallons (757 L)

EPA Reg. No. 9768-7

8/93

THATCHER COMPANY
SALT LAKE CITY, UTAH 84104