U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	**Date of Issuance:**
15300-30	2/28/19

Term of Issuance:
Conditional

Name of Pesticide Product:
Chemtreat CL4520

Name and Address of Registrant (include ZIP Code):

Wendy McCombie
Agent for,
Chemtreat, Inc.
5640 Cox Street
Glen Allen, VA 23060

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

E. Miederhoff

Eric Miederhoff, Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date: 2/28/19

EPA Form 8570-6

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

    a. Chemical Name GDCI-005601-1586

    You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36).

3. Make the following label changes before you release the product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 15300-30."

4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 10/03/2018

If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237, or via email at Leavy.Karen@epa.gov.

Enclosure

CHEMTREAT CL4520

ACTIVE INGREDIENT:

Ammonium Sulfate	20%
OTHER INGREDIENTS	80%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the skin. May cause irritation to the eyes and skin. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective gloves (rubber, chemical resistant) when handling. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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 other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Direct mixing of this product with sodium hypochlorite solutions and other strong oxidizing and alkali chemicals will release hazardous gases. Only mix with other chemicals or materials solutions following the Directions for Use of this product.

FIRST AID	
IF IN EYES:	-Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. -Call a poison control center or a doctor for treatment advice.
IF ON SKIN:	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15 – 20 minutes. -Call a poison control center or a doctor for treatment advice.
IF SWALLOWED:	-Call poison control center or doctor immediately for treatment advice. -Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to do so by poison control center or doctor. -Do not give anything by mouth to an unconscious person.
IF INHALED:	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. -Call a poison control center or a doctor for treatment advice.
Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment.	

EPA Reg. No. 15300-____

NET CONTENTS:

ACCEPTED
02/28/2019
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 15300-30

Manufactured for:
ChemTreat, Inc.
5640 Cox Road, Glen Allen, Virginia 23060
(804) 935-2000

DIRECTIONS FOR USE

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

Use CHEMTREAT CL4520 for control of bacteria, algae and fungi. CHEMTREAT CL4520 must be used in conjunction with: 1) an EPA registered sodium hypochlorite product (12.5%) to produce monochloramine; and 2) the MILLICIDE™ delivery system at a pH of >8.5 as described below. Your ChemTreat technical representative will determine which MILLICIDE™ delivery system configuration is appropriate for treatment of your system.

CHEMTREAT CL4520 and the sodium hypochlorite are mixed in a specially designed MILLICIDE™ system that produces the monochloramine solution on site. The products are blended to achieve a molar ratio of 0.5-1.2 ammonium sulfate to 1.0 sodium hypochlorite (12.5%). The monochloramine is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallons of sodium hypochlorite (12.5%). The MILLICIDE™ delivery system controller ensures the automatic production of the dilute monochloramine solution, controls the optimization of the production process, and ensures adequate dosing into the water system requiring treatment. The design, treatment, installation, calibration, and operation of the feeding system in all plants is to be conducted only by authorized and trained personnel.

Use of this product for any other purpose or contrary to the instructions below, or without the supervision of authorized trained personnel is prohibited.

Note: Do not use other feeding modes to mix CHEMTREAT CL4520 and the sodium hypochlorite. Non-authorized personnel are prohibited from operating or otherwise handling the feeding system or its chemical ingredients.

PULP AND PAPERMILL WATER SYSTEMS, NONWOVEN FABRIC WATER SYSTEMS, AND PRODUCTION OF FIBERGLASS:

Dosage Rates: When the system is noticeably fouled, apply sufficient CHEMTREAT CL4520 and sodium hypochlorite to achieve a chlorine residual in excess of the system oxidant demand. The monochloramine solution produced by the delivery system is immediately added to the influent water system and/or the process waters for which treatment is required. The monochloramine solution may be added to any point of uniform mixing. Addition may be continuous or intermittent depending on the severity of the contamination when treatment starts, and on other system operation parameters.

Slug Feed Method

Initial Dose: When the system is noticeably fouled, add the appropriate amount of monochloramine to the system to obtain between 1 to 10 ppm total available chlorine. The monochloramine dosage is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallon of sodium hypochlorite (12.5%). Repeat until control is achieved. Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dose: When microbial control is evident, add the appropriate amount of monochloramine to the system daily, or as needed to maintain control and keep the total chlorine residual between 1 to 10 ppm.

Intermittent Feed Method

Initial Dose: When the system is noticeably fouled, add the appropriate amount of monochloramine to the system to obtain between 1 to 10 ppm total available chlorine. The monochloramine dosage is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallons of sodium hypochlorite (12.5%). Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dose: When microbial control is evident, add the appropriate amount of monochloramine to the system to obtain between 1 – 10 ppm total chlorine residual.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add the appropriate amount of monochloramine to the system to obtain between 1 to 10 ppm total available chlorine. The monochloramine dosage is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallons of sodium hypochlorite (12.5%). Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dosage: Maintain this treatment level by starting a continuous feed of monochloramine to maintain a 1 to 10 ppm total chlorine residual.

INDUSTRIAL WATER SYSTEMS:

CHEMTREAT CL4520 is used for the control of algal, bacterial and fungal deposits in industrial cooling towers, recirculating cooling water systems, evaporative condensers, influent water systems, industrial fresh water systems, source water for potable water treatment facilities, airwashers, papermill starch slurries, seawater desalination and reverse osmosis systems, paint spray booth sumps, ponds used for cooling purposes, and sewage and wastewater systems. This product is also used for the control of algae, bacteria, fungi and mollusks in both seawater and freshwater influent systems.

When this product is used to treat sewage and wastewater systems, seawater, and freshwater influent systems for once-through industrial water systems, and seawater desalination and reverse osmosis systems, and the system water is not sent to a POTW; residual levels of monochloramine in the effluent must be monitored and neutralized using on-line monitoring and control equipment.

When this product is used to treat recirculating cooling water systems, evaporative condensers, influent water systems (not part of once-through industrial water systems), airwashers, paint spray booth sumps, ponds used for cooling purposes; effluent detection of monochloramine should be conducted at least once per shift. If monochloramine is detected in the effluent, it can be neutralized by the addition of sodium metabisulfite until the monochloramine is no longer detected.

Dosage Rates: When noticeably fouled, apply sufficient product and sodium hypochlorite to achieve a total chlorine residual of at least 1 ppm in excess of the system oxidant demand. Once control is achieved, treatment rates can be reduced to sub-demand rates from 50% to 80% of system demand. The product may be added to the system continuously or intermittently as needed to any area of the system where uniform mixing can be obtained.

For intermittent treatment: The monochloramine dosage is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallons of sodium hypochlorite (12.5%). Apply the solution at a rate to obtain 1 to 2 ppm in excess of the system oxidant demand (maximum of 5 ppm measured) as total chlorine in the water being treated for 5 to 60 minutes every 1 to 6 hours. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems must be cleaned before initial treatment.

For continuous treatment: The monochloramine dosage is typically achieved by mixing 0.8 gallons of CHEMTREAT CL4520 with 1.0 gallons of sodium hypochlorite (12.5%). Apply the solution at a rate to obtain 0.5 to 1 ppm in excess of the system oxidant demand (maximum of 5 ppm measured) as total chlorine in the water being treated on a continuous basis. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems must be cleaned before initial treatment.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Keep container tightly closed. Store in a dry place. Leaking or damaged containers should be placed in an overpack container for disposal. Spills should be contained and cleaned using an absorbent material and disposed of in a sanitary landfill.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Refillable Container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

Non-refillable Container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

Rev. 02/28/2019