



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 30, 2019

Mary B. Reck,
Product Manager
ChemTreat, Inc.
5640 Cox Road
Glen Allen, VA 23060

Subject: Label/CSF Notification per PRN 98-10 – Revised Master Label to include the Updated Establishment Number and Revised Basic CSF to remove one of the approved source of active ingredient.
Product Name: CHEMTREAT CL-2206
EPA Registration Number: 15300-27
Application Date: Feb. 21, 2019
Decision Number: 548757

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

The CSFs submitted with your application have been stamped “Notification” and placed in our files. Please note that the record for this product currently contains the following CSF:

- Basic CSF dated 02/21/2019

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, you may contact Srinivas Gowda at 703-308-6354 or via email at gowda.srinivas@epa.gov.

Sincerely,

Srinivas Gowda for
Jacqueline Hardy
Product Manager – Team 34
Regulatory Management Branch II
Antimicrobials Division (7510P)
Enclosure: “Notification” Stamped EPA Label

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE • MAY BE FATAL IF SWALLOWED • CAUSES SKIN IRRITATION • HARMFUL IF INHALED OR ABSORBED THROUGH SKIN • DO NOT GET IN EYES, ON SKIN OR ON CLOTHING • AVOID BREATHING SPRAY OR MIST • WHEN LOADING OR HANDLING WEAR PROTECTIVE EYEWEAR (GOGGLES OR FACE SHIELD), • WEAR LONG-SLEEVED SHIRT AND LONG PANTS, SOCKS, SHOES AND CHEMICALLY RESISTANT GLOVES • PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS • WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, CHEWING GUM, OR USING TOBACCO • REMOVE AND WASH CONTAMINATED CLOTHING SEPARATELY BEFORE REUSE.

Personal Protective Equipment

Applicators and other handlers must wear:
-Coveralls, over long-sleeved shirt and long pants
-socks and chemical resistant footwear
-goggles or face shields

-Chemical-resistant gloves (such as barrier laminate, butyl nitrile/neoprene rubber, PVC or viton).

Engineering Controls

When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

User Safety Requirements

Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing as soon as possible, wash thoroughly and change into clean clothing.

Application Restrictions

Do not apply this product directly in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

DISTRIBUTED BY: CHEMTREAT, INC.

5640 COX ROAD, GLEN ALLEN, VA 23060

EPA REG. NO. 15300-27

NOTIFICATION

EPA EST. NO. 83434-IL-001

15300-27

Net Weight:

Lot No. _____

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04/30/2019

CHEMTREAT CL-2206

To control Coliform and other bacteria in publicly-owned treatment works; controls bacteria, fungi, and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and algae in industrial recirculating water cooling towers, once-through fresh and sea water industrial cooling water systems, and reverse osmosis systems; controls slime-forming bacteria and fungi in air-washer systems.

FOR INDUSTRIAL USE

ACTIVE INGREDIENT:

2,2-Dibromo-3-nitropropionamide.....20.0%

INERT INGREDIENT(S).....80.0%

TOTAL.....100.0%

FIRST AID	
IF IN EYES	-Hold eye open and rinse slowly and gently with water for 30 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Obtain prompt medical treatment, preferably from an ophthalmologist.
IF SWALLOWED	-Call a 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 the poison control center or doctor.
IF ON SKIN OR CLOTHING	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15 - 20 minutes. -Call a poison control center or doctor for treatment advice.
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 doctor for further treatment advice.
Have product container or label with you when calling a poison control center or doctor or going for treatment.	
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call 1-800-424-9300. NOTE TO PHYSICIAN: If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not should be made by a physician. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.	

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling. **NOTE: ADD CHEMTREAT CL-2206 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF CHEMTREAT CL-2206 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.**

PAPER MILLS

For the control of bacterial, fungal, and yeast growths in pulp, paper and paperboard mills, add CHEMTREAT CL-2206 at the rate of 0.15-0.50 lb/ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It must be made with a metering pump at

a location that will insure uniform distribution of CHEMTREAT CL-2206 in the mass of fiber and water, such as the beater, Jordan mill or discharge, broke chests, finish chests, save-alls, and white-water tanks.

Heavily fouled systems must be boiled out, then treated with 0.15-0.35 lb CHEMTREAT CL-2206/ton of paper (dry basis), as necessary for control.

Moderately fouled systems must be treated continuously with 0.35-0.50 lb CHEMTREAT CL-2206/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb CHEMTREAT CL-2206/ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Slightly fouled systems must be treated continuously with 0.15-0.35 lb CHEMTREAT CL-2206/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add CHEMTREAT CL-2206 to the fluid in the collection tank. Additions must be made with a metering pump. **Initial or slug dose:** When the system is not noticeably fouled, add 0.25 gal CHEMTREAT CL-2206/1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 0.1-0.2 gal CHEMTREAT CL-2206/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. **Slug** the system as required.

ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water-disposal systems, or other oil field water systems, add 1-80 ppm CHEMTREAT CL-2206 (0.1-6.4 gal CHEMTREAT CL-2206 per 2400 barrels of water) depending on the severity of contamination. Additions must be made with a metering pump either continuously or intermittently. **Continuous Feed Method:** When the system is noticeably fouled, add 10-80 ppm CHEMTREAT CL-2206 (0.8-6.4 gal CHEMTREAT CL-2206 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm CHEMTREAT CL-2206 (0.1-1.2 gal CHEMTREAT CL-2206 per 2400 barrels of water) continuously or as needed to maintain control. **Intermittent or Slug Method:** When the system is noticeably fouled, or to maintain control of the system add 10-80 ppm CHEMTREAT CL-2206 (0.8-6.4 gal CHEMTREAT CL-2206 per 2400 barrels of water) intermittently for 4-8 hours per day and from 1-4 times per week, or as needed depending on the severity of contamination. Addition of CHEMTREAT CL-2206 may be made at the fire water knockouts, before or after the injection pumps and injection well headers.

Note: For control of bacteria, yeast and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm CHEMTREAT CL-2206 (1.2-6.4 gal CHEMTREAT CL-2206 per 2400 barrels of water). Additions of CHEMTREAT CL-2206 must be made with a metering pump **IMMEDIATELY** after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS
Add CHEMTREAT CL-2206 to the basin (or any other point of uniform mixing). Addition must be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown must be discontinued for 24-48 hours.

For Control of Bacteria: Add 0.00095-0.0095 gal CHEMTREAT CL-2206/1,000 gallons of water in the system, depending on the severity of contamination.

Intermittent or Slug Method:
Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal CHEMTREAT CL-2206/1,000 gal of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal CHEMTREAT CL-2206/1,000 gal of water in the system every 4 days, or as needed to maintain control. **Badly fouled systems** must be cleaned before treatment is begun.

Continuous Feed Method:
Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal CHEMTREAT CL-2206/1,000 gal of water to the system.

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal CHEMTREAT CL-2206/1,000 gal of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

For Control of Fungi & Algae
Add 0.029-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system depending on the severity of contamination.

Intermittent or Slug Method
Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.029-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system daily, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method
Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal CHEMTREAT CL-2206/1,000 gal of water to the system.

Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system per day. **Badly fouled systems** must be cleaned before treatment is begun.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS
Product is not registered for this use in California.

For controlling microbiological growth in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add CHEMTREAT CL-2206 to the system inlet water or before any other

contaminated area in the system. Intermittent addition must be made with a metering pump at a level dependent on the severity of the contamination in the system.

Initial Dose: When the system is noticeably fouled, add 6-12 ppm CHEMTREAT CL-2206 based on the flow-rate through the system. Additions must be for durations of at least 15 minutes, but with additions not being made for more than a total of 4 hours per day.

Subsequent Dose: When microbial control is evident, add 3-12 ppm CHEMTREAT CL-2206 intermittently to maintain control. Addition intervals may vary but total time of additions must not exceed 4 hours per day. **Badly fouled systems** must be cleaned before treatment is begun.

MEMBRANE SYSTEMS FOR INDUSTRIAL WATER

CHEMTREAT CL-2206 may be used to control bacteria and reduce biofouling in various membrane system types (reverse osmosis, ultrafiltration, nanofiltration, and microfiltration). Acceptable applications include reverse osmosis for the production of boiler makeup water, electronic component rinsing, and industrial wastewater treatment.

Note: Reverse Osmosis (RO) concentrate streams must not be discharged to lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Permit (NPDES). Discharge of RO concentrate streams to sewer systems may require approval of the local sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

CHEMTREAT CL-2206 may be added to the RO feed water at a rate of 1 to 100 ppm based on the feed water flow rate (0.1 to 10 lb or 100 ppm per 1000 gallons/min feed water, or 0.8 to 80 microgram per cubic meter/min of feed water). Apply product to the service cycle feed water on a regular basis using an additional cycle of at least 30 minutes. The frequency of addition may be daily or as necessary in order to maintain RO productivity performance. For highly fouled systems, a 100 ppm dosage must be applied each day for several hours until the system performance has recovered.

NOTE: Do not add CHEMTREAT CL-2206 in the presence of sodium bisulfite or other reducing agents which are being added to the feed water of the membrane system. In some situations the addition of any reducing agents must be suspended at least 15 minutes prior to the addition of CHEMTREAT CL-2206 in order to avoid neutralization and deactivation of the active ingredient.

CHEMTREAT CL-2206 may be added to the feed tank used for an off-line chemical cleaning procedure. Addition must be at a rate of 20 to 200 ppm based on the total amount of solution in the feed tank (2 to 20 lb or 200 gallons, or 16 to 160 mls per cubic meter). Following the complete transfer of feed solution, recirculate or soak for 1 to 3 hours to ensure sufficient contact for all RO membrane modules with the DBNPA solution. Frequency of addition must be every 5 days or as needed.

NOTE: Add CHEMTREAT CL-2206 separately to the feed tank system. Do not mix with other chemical additives as this may result in rapid decomposition of CHEMTREAT CL-2206 due to the high pH of many additive formulas. It is important to thoroughly rinse the feed tank system so it is free of any high pH chemicals prior to reintroducing the CHEMTREAT CL-2206 product.

AIR-WASHER SYSTEMS

Add 0.0015-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems.

Intermittent or Slug Method:
Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0015-0.047 gal CHEMTREAT CL-2206/1,000 gal of water in the system every 2 days or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method
Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal CHEMTREAT CL-2206/1,000 gal of water in the system.

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.0015-0.047 gal CHEMTREAT CL-2206/1,000 gal of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

NOTE: For use only in industrial air-washer systems that maintain effective mist eliminating components.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
Storage: To maintain product quality, store at temperatures below 35°C. Keep container tightly closed when not in use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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 Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE: Seller warrants that the product conforms to the chemical description on the label when used in strict accordance with the directions. **SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

LABEL DATE 02/2019