CHEMTREAT C-2189T
For use as a Disinfectant, Biocidal. Fungistat, Algicide, and the Control of Microbial Slimes in Industrial Processes and Water Systems such as: Recirculating Cooling Water Systems, Once-Through Cooling Water Systems, Wastewater Treatment Systems, Primary Ionization, Air Conditioners, Dehumidifiers, Evaporative Coolers, Paper and Paperboard Process Water, and Water Fountains/Reflecting Ponds.

ACTIVE INGREDIENT: 1-(Bromo-3-ethyl-5,5-dimethylhydantoin).............96.0%
OTHER INGREDIENTS: .............................................4.0%
TOTAL: .............................................................100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
DANGER: Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed. Smoke, fumes, or dusts; can injure eyes, skin, or lungs. Avoid breathing dust or fumes. Wash thoroughly with soap and water after handling.

FIRST AID

IF IN EYES - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present and easy to remove. Call a poison control center or doctor for treatment advice.

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 to fresh air. If person is not breathing, call 911 or an ambulance. Then give artificial respiration if necessary.

IF SWALLOWED - Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.

NOTICE: If orientation is lost, instruct the user on orientation to look for exits or as directed by a supervisor. This product contains a material that may be harmful if misused.:

PHYSICAL OR CHEMICAL HAZARDS
STRENTh OXIDIZING AGENT; Do not mix with other chemicals. Mix only with water. Use dry, clean utensils. Do not add this product to any dispensing device containing remnants of any other product. This may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area. Flood area with large volumes of water.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into streams, lakes, ponds, seashores, 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.

DIRECTIONS FOR USE

This is a solution of Federal Law to use this product it is a measure in accordance with its labeling. For use only in water systems in accordance with precautionary statements.

RECIRCULATING COOLING WATER SYSTEMS: When used as directed, this product effectively controls algae, bacterial and fungal slime in commercial and industrial cooling systems. Use as directed. Do not exceed the maximum levels specified by the system manufacturer.

ONCE-THROUGH COOLING WATER SYSTEMS: When used as directed, the product effectively controls algae, bacterial and fungal slime in once-through fresh or salt water cooling systems; cooling ponds, canals, and lakes. Filtered water must be obtained from the system intake or other critical areas, where mixing is uniform.

EVAPORATIVE COOLER: When used as directed, this product effectively controls algae, bacterial and fungal slime in evaporative coolers.

PASTEURIZER, CANN WARMER, CANNERY, RETORT WATER SYSTEMS: When used as directed, this product controls algae, bacterial and fungal slime in canning cooling canals, water, and canneries, canning water and other critical areas, where mixing is uniform.

DOSEAGE RATES

Initial Dose: When the system is visibly fouled, add 0.2 to 0.6 l/hr.1000 gallons (0.024 to 0.07 g/l) of water contained in the system. Repeat initial dosage until 1 to 3 parts per million (milligrams per liter) bromide residual is established for at least 4 hours.

Subsequent Dose: When microbial growth is evident, add 0.1 to 0.5 lb./1000 gallons (0.012 to 0.064 g/l) of water contained in the system. Repeat as needed to maintain a 1 to 3 parts per million (milligrams per liter) bromide residual for at least 4 hours.

COMMERCIAL AIR CONDITIONER AND DEHUMIDIFIER BARRIER & COOL PANS: When used as directed, this product effectively controls microbial slime in areas where water flows. 

DOSEAGE RATES: Place this product in the basin or fill pan close to the drain. Use one or more tablets as necessary to maintain the cleanliness of the system. The number of tablets needed will vary with temperature, humidity, and condensate volume.

WASTEWATER TREATMENT SYSTEMS: When used as directed, this product effectively controls algae, bacterial and fungal slime and often rapid disinfection of primary, secondary and tertiary wastewater treatment systems.

DOSEAGE RATES: Add 0.1 to 0.6 lb./1000 gallons (0.012 to 0.072 g/l) of water or in excess of 0.5 to 0.2 parts per million (milligrams per liter) bromide residual is the injection point in the disinfection contact chamber. Adjust this product’s dosage to achieve disinfection and maintain the halogen concentration at the exit of the contact chamber. Do not use treated wastewater to irrigate crops.

PELLETS AND PAPER MILLS: When used as directed, this product effectively controls algae, bacterial and fungal slime in pulp and paper mill flush and raw water influent water systems; cooling water systems, wastewater treatment systems, service water systems, white water systems, and other process water.

This product is intended for use as a residual for the process wastewater in the manufacture of paper and paperboard products. Do not exceed 1000 grams (0.2 pounds) of this product per dry metric ton of fiber when this product is used in the manufacture of paper and paperboard products that contain food. This water is critical to the process water in which it is used. If the product is the product with influences will be uniform. The frequency and duration of the influences will depend upon the severity of the problems. Ideally, the process should be cleaned before initial use.

PRODROP APPLICATION: Treatment by System Volume: When a system is noticeably fouled, add 0.1 to 0.7 lb. of this product to 1000 gallons or 12 to 120 parts per million (milligrams per liter) of water in the system. When biological control is evident: Add 0.1 to 0.7 lb. of this product to 1000 gallons or 12 to 120 parts per million (milligrams per liter) of water in the system. When biological control is evident. The use of this product normally can be reduced to somewhere less than 1 part per million at bromide.

To calculate the appropriate level of this product, estimate the pipe mill’s daily production, then add, over a 24-hour period, up to 1000 grams (0.2 pounds) of this product per dry metric ton of dry fiber. Test for bromide. To verify the level of 5 parts per million (milligrams per liter) is not exceeded.

WATER FOUNTAINS/REFLECTING PONDS: This product, when used as directed is effective as a water fountain sanitizer and disinfectant.

DOSEAGE RATES: Follow directions on the container.

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Keep dry and store in a cool dry well-ventilated area away from heat or open flame. Store in original container.

PESTICIDE DISPOSAL: Pruricide wastes are subject to federal, state and local regulations. Disposal of excess pesticide, spray residue, or rinse is a violation of Federal Law. If these wastes cannot be disposed of by the user according to labeling instructions, contact your State Pesticide or Environmental Control Agency, or the National Pesticide Information Center for assistance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Properly dispose of empty 120 parts per million (milligrams per liter) bromide. Rinse empty application equipment or a mix tank or storeantasy for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

EMERGENCY HANDLING: In case of contact or decomposition, do not re-enter container. If possible, remove container in open air and well-ventilated area. Flood with large volumes of water. Dispose of contaminated material in an approved landfill.

Treatment levels can be measured with three kit for chlorine bromine or chlorine. Test should be made immediately after draining water samples from the system. Use test kits according to directions.

1. When a bromine test is used, results can be read directly as parts per million (milligrams per liter) bromine.

2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

EPA REG. NO. 83451-4-15300
EPA EST. NO. 5185-ME-01

NET WEIGHT ___ LBS.

Manufactured by:
Nestlé, Inc.
10400 Lickingholt Road, Ashland, Virginia 23005
(804) 935-2000

DATE OF MEDICAL EMERGENCY: CALL 1-800-225-5555

NOTE TO PHYSICIANS: Pruricide residual may cause irreversible damage to the use of grains.

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