CDB® CLEARON GRANULAR INDUSTRIAL WATER BIOCIDE

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions. See side panels for additional use directions.

FOR USE IN INDUSTRIAL RE Circulating Water Cooling Towers, Air Washers & Evaporative Condensers

Treatment with this product is an effective way to control the growth of bacteria and algae in industrial recirculating water cooling towers, air washers and evaporative condensers. 1. Badly fouled systems should be cleaned prior to initiating treatment. 2. Initial Dosage - When the system is just noticeably fouled, add 10-13 oz. of this product per 10,000 gallons of water contained in the system. Repeat this dosage, if necessary, until loss of efficiency due to fouling is obtained. 3. Maintenance Dosage - To maintain a FAC of 0.5-1.0 ppm, add 1-3 oz. of this product per 10,000 gallons of water daily or as needed. 4. This product should be added to the system at a point where adequate flow is maintained. Variations in water temperature, chlorine demand and flow rate will affect the dissolution rate. Warmer seasons may require an upward adjustment of the FAC.

Air Washers: For use only in industrial air washer systems that maintain effective mistweek, chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans, or public waters unless in accordance with the regulations 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT. Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter or other chemicals (including other pool chemicals) or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette.

Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

EMERGENCY MEDICAL TREATMENT INFORMATION.

• If in eyes - Hold eye 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 eye.
• 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 by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

DANGER

CORROSIVE. Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe dust, vapor or spray mist. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

HAZARD TO HUMANS AND DOMESTIC ANIMALS

PESTICIDE STORAGE: Store in a dry, cool and well-ventilated area. Avoid moisture getting into container. Keep off wet floors. In case of spillage, wash with large amounts of water. After each use, keep container tightly closed. Oxidizing material. Keep away from flames, sparks and all sources of heat. Avoid contact with organic material.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of these wastes may result in 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: Nonrefillable container. Do not reuse or refill this container. Rinse empty container thoroughly with water to dissolve all material prior to disposal. Offer for recycling, if available.

EMERGENCY HANDLING: In case of contamination or decomposition do not reseal container. If possible, isolate container in open, well-ventilated area. Flood with large volumes of water. Dispose of contaminated material in an approved landfill area.

WARRANTY

Seller warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use. But to the extent consistent with applicable law neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

YOU MAY ALSO CONTACT 1-800-420-9236 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.

KEEP OUT OF REACH OF CHILDREN

First Aid

If in eyes - Hold eye 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 eye. 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 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. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center, doctor, or when going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional Precautionary Statements.

Active Ingredient:
Sodium Dichloro-s-Triazinetrione Hydrated 99%
Other Ingredients: 1%
Total: 100%
Available Chlorine: 55.5%

Manufactured By:
CLEARON CORP. 95 MacCorkle Avenue, SW South Charleston, WV 25303-1411 Tel: 1-800-811-2327

EPA REG. NO. 69470-20
EPA EST. NO. 69470-WV-2

PRECAUTIONARY STATEMENTS

DANGER

HAZARD TO HUMANS AND DOMESTIC ANIMALS

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12001475
CDB-56 Coarse 50lb Pail IWB

NET CONTENTS 50 LBS.

Made in U.S.A. Rev Oct 2017

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DISINFECTION OF DRINKING WATER

PUBLIC SYSTEM: Feed 1 ounce of this product per 6000 gallons of water until a free available chlorine residual of at least 0.2 ppm is attained throughout the distribution system. The product should be used consistently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Pollutant Discharge Elimination System Drinking Water Regulations. Contact your local Health Department for further details.

INDIVIDUAL SYSTEMS: DUG WELLS: Upon completion of the casing (lining) wash the interior of the casing (lining) with a 100 ppm available chlorine solution using a stiff brush or appropriate equipment. This solution may be made by dissolving 1 ounce of this product into 40 gallons of water. After covering the well, pour the disinfectant solution into the well through both the pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder with the disinfectant. Drop pipeline into well, start pump, and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed from the water. Contact your local Health Department for further details.

INDIVIDUAL WATER SYSTEMS: DRILLED, Driven & BORED WELLS: Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine disinfecting solution into the well. This solution can be made by dissolving 1 ounce of this product into 40 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the disinfectant into the rock formation. Wash the exterior of the pump cylinder with the disinfectant. Drop pipeline into well, start pump, and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours, flush well until traces of chlorine have been removed from the water. Deep wells with high water levels may necessitate the use of special methods for introduction of the disinfectant into the well. Consult your local Health Department for further details.

INDIVIDUAL WATER SYSTEMS: FLOWING ARTESIAN WELLS: Artesian wells generally do not require disinfection. If analyses indicate persistent contamination the well should be disinfected. Consult your local Health Department for further details.

EMERGENCY DISINFECTION:

EXISTING EQUIPMENT: Remove equipment from service; thoroughly clean surfaces of all physical soil. Sanitize by placing 9 ounces of this product for each 10 cubic feet capacity (approximately 500 ppm available chlorine) Fill to working capacity and allow to stand for at least 4 hours. Drain and flush with potable water and return to service.

NEW FILTER SAND—Apply 16 ounces of this product for each 150 to 200 cubic feet of sand. When the filter is severely contaminated, additional product should be applied to the filter. After 4 to 6 hours, drain, and proceed with normal backwashing.

NEW TANKS, BASIN, ETC.—Remove all physical soil from surfaces. Places 9 ounces of this product for each 10 cubic feet of moving capacity (500 ppm available chlorine). Fill to working capacity and allow to stand for at least 4 hours. Drain and flush with potable water and return to service.

NEW FILTER SAND—Apply 16 ounces of this product for each 150 to 200 cubic feet of sand. When the action of the product dissolving as the water passes through the bed will aid in sanitizing the new sand.

NEW WELLS—Flush the casing with a 50 ppm available chlorine solution of water containing 1.2 ounces of this product for each 100 gallons of water. The solution should be pumped or fed by gravity into the well after thorough mixing with agitation. After 24 hours, flush well until all traces of chlorine have been removed from the water. It may then be pumped until a representative raw water sample is obtained. Bacterial examination of the water will indicate whether further treatment is necessary. Contact your local Health Department for further details.

EXISTING EQUIPMENT—Remove equipment from service; thoroughly clean surfaces of all physical soil. Sanitize by placing 9 ounces of this product for each 10 cubic feet capacity (approximately 500 ppm available chlorine) Fill to working capacity and let stand at least 4 hours. Drain and place in service. If the previous treatment is not practical, surfaces may be sprayed with a solution containing 1.2 ounces of this product for each 5 gallons of water (approximately 1000 ppm available chlorine). After drying, flush with water and return to service.

EMERGENCY DISINFECTION AFTER FLOODS:

WELLS—Thoroughly flush contaminated casing with 500 ppm available chlorine solution mixing 1.2 ounces of this product into 10 gallons of water. Backwash the well to increase yield and reduce turbidity, adding sufficient chlorinating solution to the backwash to produce a 10 ppm available chlorine residual, as determined by a chlorine test kit. After the turbidity has been reduced and the casing has been treated, add sufficient chlorinating solution to the backwash to produce a 50-ppm available chlorine residual. After 24 hours, flush well until all traces of chlorine have been removed from the water. It may then be pumped until a representative raw water sample is obtained. Bacterial examination of the water will dictate whether further treatment is necessary. Repeat treatment if water samples are biologically unacceptable. Contact your local Health Department for further details.

EMERGENCY DISINFECTION AFTER MAIN BREAKS:

MAKING REPAIR—Let sediment settle on the repair section, flush out mud and soil. Permit a water flow of at least 2.5 feet per minute to continue under pressure while injecting this product by means of chlorinator. Stop water flow when a chlorine residual test of 50 ppm is obtained at the low pressure end of the main section after a 24 hour retention time. When chlorination is completed, the system must then be flushed. The water from the chlorine contact chamber is then used for flushing.

RESERVOIRS: In case of contamination by over-flowing streams, establish chlorinating stations upstream of the reservoir. Chlorinate the inlet water until the entire reservoir obtains a 0.2 ppm available chlorine residual, as determined by a suitable chlorine test kit. In case of contamination by septic water, up to 200 ppm available chlorine, and a suitable product directly to the reservoir to obtain a 0.2 ppm available chlorine residual in all parts of the reservoir.

BASIN, TANKS, FLUMES, ETC.—Thoroughly clean all equipment, then apply 9 ounces of product per 10 cu. ft. of water to obtain 500 ppm available chlorine, as determined by a suitable test kit. After 24 hours, drain flush and return service. If the previous method is not suitable, spray or flush the solution with a solution containing 1.2 ounces of this product into 5 gallons of water (1000 ppm available chlorine.) Allow to stand for 2 to 4 hours, flush and return to service.

FILTERS: When the sand filter needs replacement, apply 16 ounces of this product for each 150 to 200 cubic feet of sand. When the filter is severely contaminated, additional product should be distributed over the surface at the rate of 16 ounces per 50 sq. ft., allowing the water to stand at a depth of 1 foot above the filter sand. After 30 minutes, drain water to the level of the filter. After 4 to 6 hours drain, and proceed with normal backwashing.

DISTRIBUTION SYSTEM—Flush repaired or replaced section with water. Establish a chlorinating station and apply sufficient product until a consistent available chlorine residual of at least 10 ppm (as measured by a chlorine test kit) remains after a 24 hour period.

EMERGENCY DISINFECTION AFTER FIRES:

CROSS CONNECTIONS OR EMERGENCY CONNECTIONS—Set up a chlorine feed system near in the intake of the untreated water supply. Add 1.3 ounces of this product per 1,000 gallons of water until a chlorine residual of at least 0.2 ppm (as measured by a chlorine test kit) at the point where the untreated supply enters the regular distribution system.

EMERGENCY DISINFECTION AFTER DROUGHT:

SUPPLEMENTARY WATER SUPPLIERS: A chlorine feed system should be set up on the supplementary water line. This product should be added at 0.7 ppm per 1,000 gallons using a chlorine residual of 0.2 ppm (as measured by a chlorine test kit) is achieved. The water should be held for 20 minutes before use.

WATER SHIPPED IN BY TANKS, TANK CARS, ETC.—Thoroughly clean all containers and equipment. Spray a 500 ppm available chlorine solution and rinse with potable water after 5 minutes. This solution is made by mixing 1.2 ounces of this product for each 5 gallons of water. During the filling of the containers, dose with sufficient amounts of this product to provide at least a 0.2 ppm chlorine residual, as measured by a chlorine test kit.

SEWAGE WASTE WATER SYSTEMS:

This product is recommended for use in sewage waste water systems. This product provides rapid disinfection of primary, secondary and tertiary waste treatment system.

Dose Rate: Add this product at the rate of 0.03 to 0.75 pounds per 1,000 gallons (3.6 to 90 grams per 1,000 liters) in the system to achieve 0.2 - 3 ppm (mg/L) available chlorine, as measured by a suitable test kit, at the injection point in the disinfection contact chamber. Adjust the dose to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber.

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