

69681-25

7-14-2008

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**U.S. ENVIRONMENTAL PROTECTION  
AGENCY**

Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg.

Number:

69681-25

Date of Issuance:

JUL 14 2008

Term of Issuance:

**Unconditional**

Name of Pesticide Product:

Clor Mor 56 PG

**NOTICE OF PESTICIDE:**

- Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

Allchem Performance Products, LP  
416 S. Main Street  
Corsicana, TX 75110

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered 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 sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 69681-25".

Signature of Approving Official:

Emily Mitchell  
Product Manager Team-32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Date:

JUL 14 2008

b. The "For Once-Through Water Systems" use pattern has been removed from the label. This product is not registered for that use cite/pattern.

c. This product is registered as a microbiocide. Therefore, the claim for microbiostat has been removed from the label.

d. The heading "Aquatic Food Crop" is misleading and has been removed from the label.

e. The term "Disinfection" has been removed from the Hubbard and Immersion Tank and Hydrotherapy headings.

f. The "ppm level" under the Hubbard and Immersion Tank use directions is 25 ppm not 24 ppm.

g. Correct the first heading under "Indoor Non-Food" to read "Sanitization of Non-Porous Non-Food Contact Surfaces."

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,

Emily Mitchell  
Product Manager 32  
Regulatory Branch II  
Antimicrobials Division (7510C)

Enclosure: (Stamped Label)

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

NOTE TO REVIEWER: [Bracketed text] denotes alternate or optional language.

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# Clor Mor 56 PG

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

69681-25

- [For Circulating Water Systems]
- [For Sewage Wastewater Systems]
- ~~[For Once-Through Water Systems]~~
- [For [Swimming Pools][Swimming Pool Water Systems]]
- [For [Spas] [and][or] [Hot Tubs] [and][or] [Hubbard and Immersion Tanks] [and][or][Hydrotherapy Tanks]]
- [For [Spas] [and][or][Hot Tub] Disinfection]]
- [For [Ornamental Ponds] [and][or] [Aquaria]]
- [For [Pasteurizer] [and][or] [Warmer] [and][or] [Cannery] Cooling Water Systems]
- [For Water Well Systems]
- [For Disinfection of Drinking Water]
- [For Public Water Systems]
- [For Emergency Disinfection After] [Fires] [and][or] [Drought] [and][or] [Floods]

Sodium dichloro-s-triazinetriene dihydrate* .....	99.00%
OTHER INGREDIENTS: .....	1.00%
TOTAL:	100.00%

\* Available chlorine 55%

## KEEP OUT OF REACH OF CHILDREN DANGER

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a Poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth to mouth, if possible.</li> <li>• Call a Poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a Poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN:</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

SEE [SIDE] [BACK] PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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**PRECAUTIONARY STATEMENTS. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. 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 or spray mist. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

*(Note to reviewer: This statement is intended for swimming pool and spa uses with container sizes less than 50 lbs.)*  
This pesticide is toxic to fish and aquatic organisms.

*(Note to reviewer: This statement is intended for all industrial uses and container sizes greater than 50 lbs.)*  
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 EPA

**PHYSICAL AND CHEMICAL HAZARDS**

Strong oxidizing agent. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. In case of contamination or decomposition, do not reseal container. If possible isolate each container in open air or well-ventilated area. Flood with large volumes of water if necessary.

**DIRECTIONS FOR USE**

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

[Use this product in accordance with the directions for use as a microbiocide/ microbiostat (slime forming bacteria, fungi, and algae), disinfectant, sanitizer, fungicide, algaecide and bacteriostat in the following use sites: aquatic non-food industrial, aquatic non-food residential, indoor medical and indoor food.]

**[AQUATIC NON-FOOD INDUSTRIAL]**

**RECIRCULATING WATER SYSTEMS:** This product controls bacteria, fungi and algae in Air Washer Water Systems, Commercial/Industrial Water Cooling Systems, Evaporative Condenser Water Systems, Heat Exchange Water Systems, Industrial Scrubbing Systems, ~~Ornamental Ponds and Aquaria and Lakes/Ponds/Reservoirs~~ (Without Human or Wildlife Use). Add this product to the system by direct placement into water at a point where it will be uniformly mixed with the water. The degree of

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contamination determines the frequency of feeding and duration of the treatment. Clean badly fouled systems before beginning treatment.

**Intermittent Or Slug Method:**

Initial Dose: If the system is noticeably fouled, add 0.15 to 0.75 pounds of this product for every 1000 gallons (18 to 90 grams per 1000 liters) of water in the system to obtain a 0.5-10 ppm (mg/L) level of available chlorine, (as determined by a reliable test kit). Repeat treatment as needed to achieve residual control.

Subsequent Dose: When microbial control has been achieved, add 0.03 to 0.15 pounds of this product for every 1000 gallons (3.6 to 18 grams per 1000 liters) of water in the system to obtain a 0.5-1 ppm (mg/L) level of available chlorine (as determined by a reliable test kit). Repeat treatment periodically as needed to maintain control.

**Continuous Feed Method:**

Initial Dose: If the system is noticeably fouled, add 0.15 to 0.75 pounds of this product for every 1000 gallons (18 to 90 grams per 1000 liters) of water in the system to obtain a 0.5-10 ppm (mg/L) level of available chlorine (as determined by a reliable test kit). Repeat treatment as needed to achieve residual control.

Subsequent Dose: When microbial control has been achieved, add 0.03 to 0.15 pounds of this product for every 1000 gallons (3.6 to 18 grams per 1000 liters) of water in the system to obtain a 0.5-1 ppm (mg/L) level of available chlorine (as determined by a reliable test kit).

**SEWAGE WASTEWATER SYSTEMS:**

[This product controls bacteria, fungi and algae in sewage wastewater systems.] [This product rapidly disinfects primary, secondary and tertiary wastewater treatment systems.]

Dose Rate: Add 0.03 to 0.75 pounds of this product for every 1000 gallons (3.6 to 90 grams per 1000 liters) of water in the system to obtain a 0.2-3 ppm (mg/L) level of available chlorine (as determined by a reliable test kit) at the disinfection contact chamber injection point. Maintain disinfection and minimize the halogen concentration at the exit point of the contact chamber by adjusting the dose.

**[AQUATIC NON-FOOD RESIDENTIAL]**

**SWIMMING POOL WATER SYSTEMS:**

Use this product to control bacteria and algae in swimming pools. Add this product directly to the surface of circulating swimming pool water according to the directions for use.

**NOTE:** Re-entry into treated swimming pools is prohibited above levels of 3 ppm chlorine.

**[Start Up:** Confirm that the filtration system is clean and operating properly before using this product. Adjust the water pH to a range of 7.2-7.6 using suitable products and a

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reliable test kit. Adjust water alkalinity to at least 125 ppm (mg/L), based on test kit readings.

Add enough product directly to the surface of circulating swimming pool water to increase the available chlorine level to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 10 ounces of this product for every 10,000 gallons of water (9.0 grams per 1,000 liters) provides approximately 5 ppm (mg/L) of available chlorine. ]

**[Shock Treatment:** Superchlorinate (shock treat) the pool water every seven days or whenever the *combined* chlorine level is higher than 0.5 ppm (mg/L). *Combined* chlorine is the difference between *total and free* chlorine (as determined by a reliable test kit).

Add enough product directly to the surface of circulating swimming pool water to increase the available chlorine level to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 10 ounces of this product for every 10,000 gallons of water (9.0 grams per 1,000 liters) provides approximately 5 ppm (mg/L) of available chlorine. Repeat the shock treatment steps if the combined chlorine reading is higher than 0.5 ppm (mg/L) and the water has not been returned to its normal clarity. Do not enter water until the free available chlorine reading falls below 3 ppm (mg/L), the combined chlorine falls below 0.5 ppm (mg/L) and the water has returned to its normal clarity. ]

**[Maintenance Treatment:** Add this product on a daily basis or as needed for maintaining a free available chlorine level of 1-3 ppm (mg/L) in the water as determined by a reliable test kit. Adding 2 ounces of this product for every 10,000 gallons of water (1.9 grams per 1,000 liters) provides approximately 1 ppm (mg/L) available chlorine. Sanitizer levels are affected by weather and usage. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water and decrease product efficiency. Maintain a pH of 7.2-7.6 and the alkalinity at a minimum of 125 ppm (mg/L). If the total dissolved solid (TDS) reaches 3000 ppm (mg/L) or the water becomes unmanageable, drain the pool and refill it with fresh water.]

**[Winterizing:** Vacuum and clean the pool thoroughly. While the filtration system is running and the water is still clear and clean, add 10 ounces of this product for every 10,000 gallons of water (13.5 grams per 1,000 liters) to increase the available chlorine by approximately 8 ppm (mg/L). Cover the pool and prepare heater, filter and heater components for the winter season according to the manufacturers' instructions.]

**SPAS, HOT-TUBS, IMMERSION AND HYDROTHERAPY TANKS:**

This product controls bacteria in spas, hot tubs, Hubbard, immersion and hydrotherapy tanks. [This product also controls and destroys algae in outdoor spas and hot tubs.] Add this product directly to circulating spa and hot tub water according to the use directions.

**NOTE:** Re-entry into treated spas and hot tubs is prohibited above levels of 3 ppm chlorine.

**Spa And Hot Tub Disinfection:**

## Spa and Hot Tub Disinfection

NOTE TO REVIEWER: [Bracketed text] denotes alternate or optional language.

**[Start Up:** Confirm that the filtration system is clean and operating properly before using this product. Adjust the water pH to a range of 7.2-7.6 using suitable products and reliable test kits. Adjust water alkalinity to at least 125 ppm (mg/L) based on test kit readings. To ensure bather safety, do not allow water temperatures to exceed 104°F (40°C).

Add enough product directly to the surface of circulating spa and hot tub water to increase the available chlorine level to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 1.0 ounces of this product for every 1,000 gallons (0.90 grams per 100 liters) of spa and hot tub water raises the available chlorine by 5 ppm (mg/L).]

**[Shock Treatment:** Superchlorinate (shock treat) the spa and hot tub water after each use. Add enough product directly to the surface of circulating spa and hot tub water to increase the available chlorine level to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 1.0 ounces of this product for every 1,000 gallons (0.90 grams per 100 liters) of spa and hot tub water raises the available chlorine by 5 ppm (mg/L). Repeat the shock treatment if the combined chlorine reading is higher than 0.5 ppm (mg/L) and the water has not been returned to its normal clarity. *Combined* chlorine is the difference between *total and free* chlorine (as determined by a reliable test kit).]

**[Maintenance Treatment:** Add this product to spa and hot tub water on a daily basis or as needed for maintaining a free available chlorine level of 3-5 ppm (mg/L), as determined by a reliable test kit. Adding 0.5 ounces of this product for every 1,000 gallons (0.45 grams per 100 liters) of spa and hot tub water increases the available chlorine levels by 2.5 ppm (mg/L). Sanitizer levels are affected by weather and usage. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water and decrease product efficiency. Maintain a pH of 7.2-7.6 and the alkalinity at a range of 80-125 ppm (mg/L). If the total dissolved solid (TDS) reaches 3000 ppm (mg/L) or the water becomes unmanageable, drain the spa/hot tub and clean it thoroughly before refilling with fresh water.]

### **Hubbard And Immersion Tank Disinfection:**

Add 5 ounces of this product for every 1,000 gallons (4.50 grams per 100 liters) of tank water to achieve an available chlorine level of 25 ppm (mg/L), as determined by a reliable test kit. Maintain a pH of 7.2-7.6 and adjust when needed. Drain the tank after each use. Add one ounce of this product to a bucket of water and circulate the cleaning solution through the tank agitator for 15 minutes. Rinse the solution, clean the tank thoroughly and dry all surfaces with clean cloths.

### **Hydrotherapy Tank Disinfection:**

Add this product to the tank water on a daily basis or as needed to maintain a free available chlorine level at 1-3 ppm (mg/L) as determined by a reliable test kit. Maintain a pH of 7.2-7.6 and the alkalinity at a range of 80-125 ppm (mg/L). Continuously operate the filtration system. Drain the tank weekly and clean thoroughly before refilling with fresh water.

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**ORNAMENTAL PONDS / AQUARIA / FOUNTAINS:**

*fountains*

This product controls bacteria and algae in residential ornamental ~~ponds~~ and similar aquaria systems. Add this product directly to the surface of ~~circulating pond or~~ aquaria water in accordance with the use directions. The degree of contamination will determine the frequency of feeding and duration of the treatment. Clean badly fouled systems before starting treatment.

**Note:** Do not apply to ~~ponds~~ or aquaria containing fish or other living aquatic organisms. Remove all fish and other aquatic organisms from the pond or aquaria before treatment. Low levels of chlorine can be highly toxic to certain fish and other aquatic species. Before returning the aquatic organisms to the aquaria, the remaining chlorine should be destroyed by adding 0.33 ounces of sodium sulfite per every ppm of available chlorine per 1,000 gallons of water (0.25 grams per 100 liters). Do not return any fish or other aquatic organisms to the water until the available chlorine level is zero (as measured by a suitable test kit).

**[Start Up:** Make sure that the system is clean and the circulation system is operating properly prior to using this product. Remove all fish and other aquatic organisms from the pond, fountain or aquaria before treatment. Add enough product directly to the surface of circulating pond or aquaria water to increase the chlorine level in the water to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 1 ~~ounce~~ of this product to 1,000 gallons (0.90 grams per 100 liters) of pond, fountain or aquaria water will raise the available chlorine by 5 ppm (mg/L).]

**[Shock Treatment:** Superchlorinate (shock treat) the pond, fountain or aquaria water every two weeks or whenever the combined chlorine reading is higher than 0.5 ppm (mg/L) and the water has not been returned to its normal clarity. *Combined* chlorine is the difference between *total and free* chlorine (as determined by a reliable test kit). Add enough product directly to the surface of circulating pond, fountain or aquaria water to increase the available chlorine level to 5-6 ppm (mg/L), as determined by a reliable test kit. Adding 1 ~~ounce~~ of this product for every 1,000 gallons (0.90 grams per 100 liters) of pond, fountain or aquaria water raises the available chlorine by 5 ppm (mg/L). Repeat the shock treatment if the combined chlorine reading is higher than 0.5 ppm (mg/L) and the water has not been returned to its normal clarity. ]

**[Maintenance Treatment:** For ponds, fountains and aquaria without fish or aquatic organisms, add this product daily or as needed to maintain a residual available chlorine level of 2-5 ppm (mg/L), as determined by a reliable test kit. Adding 0.5 ~~ounces~~ of this product for every 1,000 gallons (0.45 grams per 100 liters) of pond or aquaria water raises the available chlorine by 2.5 ppm (mg/L). Sanitizer levels may be affected by weather and usage. ]

**INDOOR FOOD:**

This product may be used on food contact surfaces in accordance with 21 CFR 178.1010 of the Federal Food, Drug and Cosmetic Act.



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**[SANITIZATION OF NON-POROUS FOOD CONTACT SURFACES:**

Use this product in poultry houses, egg handling equipment, dairy farm milk handling facilities/equipment, dairy farm milking equipment, household/domestic dwellings indoor food handling areas, food processing plant premises and equipment (food and non-food contact), dairies/cheese processing plant premises and equipment (food and non-food contact), meat processing plant premises and equipment (food and non-food contact), poultry processing plant premises and equipment (food and non-food contact), fish/seafood processing plant premises and equipment (food and non-food contact), eating establishments, eating establishments equipment/utensils (food contact), milk shake machines and soft serve ice cream machines.]

**Solution Preparation:** Thoroughly mix 0.2 ounces of this product with 10 gallons of water (0.18 gram per liter) to make a 100 ppm (mg/L) sanitizing solution. Test solutions with an initial concentration of 100 ppm (mg/L) available chlorine by using a reliable chlorine test kit and periodically adjust the solution to ensure that the available chlorine remains at or above 50 ppm (mg/L). If the available chlorine level falls below 50 ppm (mg/L), either discard the solution or add 0.1 ounces of this product per 10 gallons of water (97 milligrams per liter) to increase the available chlorine level by 50 ppm (mg/L) and maintain a 100 ppm (mg/L) solution.

**[Rinse Or Spray Method:** Clean equipment surfaces as usual and rinse with potable water. Gross filth and heavy soil may need to be removed from surfaces using a pre-scrape, pre-flush, and when needed, a pre-soak treatment. Before use, thoroughly rinse all surfaces with the sanitizing solution, maintaining contact with the sanitizer for 2 to 5 minutes. Do not rinse equipment with water after treatment. Use the same solution in the feed tanks of spray type machines and allow at least one minute contact time to sanitize equipment.]

**[Immersion Method:** Clean equipment as usual. Immerse equipment in the sanitizing solution for 2 to 5 minutes before use. Drain the sanitizer. Do not rinse equipment with water after treatment.]]

**[EGG WASHING:**

Use this product in commercial egg washing treatments and hatching egg washing treatments. Wash eggs in a continuous operation and complete the operation as quickly as possible. Do not allow eggs to stand or soak in water. Do not use immersion-type washers. Spray rinse eggs with the sanitizing solution after washing. This product should be added to the circulating spray rinse solution at intervals during use to maintain 100 ppm (mg/L) available chlorine.]

**[INDOOR NON-FOOD:]**

**SANITIZATION OF NON-POROUS FOOD CONTACT SURFACES:** Use this product in ~~egg plants/hatcheries/breeder rooms, chick baths (hatching), mushroom houses empty~~ premises, eating establishments food handling and serving areas (non-food contact),

**NON**

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commercial/institutional/industrial premises and/or equipment (indoor), laundry (commercial), refuse/solid waste containers (garbage cans).

**Solution Preparation:** Thoroughly mix 0.2 ounces of this product with 10 gallons of water (0.19 gram per liter) to prepare a 100 ppm (mg/L) sanitizing solution. Test solutions containing an initial concentration of 100 ppm (mg/L) available chlorine using a reliable chlorine test kit and adjust periodically to ensure that the available chlorine remains above 50 ppm (mg/L). If the available chlorine level falls below 50 ppm (mg/L), either discard the solution or add 0.1 ounces of this product per 10 gallons of water (90 milligrams per liter) to increase the available chlorine level by 50 ppm (mg/L) and maintain a 100 ppm (mg/L) solution strength.

**[Rinse Or Spray Method:** Clean equipment surfaces as usual and rinse with potable water. If necessary, clean gross filth and heavy soil from surfaces using a pre-scrape, pre-flush and, when needed, a pre-soak treatment. Before using equipment, thoroughly rinse all surfaces with the sanitizing solution and maintain contact with the sanitizer for a minimum of 2 - 5 minutes. Do not rinse treated equipment with water. Do not allow equipment to soak overnight. Use the same solution in the feed tanks of spray type machines, allowing at least one minute contact time to sanitize equipment.]

**[Immersion Method:** Clean equipment as usual. Before using equipment, immerse equipment in the sanitizing solution for a minimum of 2 minutes. Allow the sanitizer to drain. Do not rinse treated equipment with water. Do not allow equipment to soak overnight.]

**[Fabric And Diaper Sanitizer:** Use this product for removing stains and reducing ammonia-causing bacteria in institutional and commercial laundering for fabrics and diapers. Spin-dry wet fabric or diapers before applying sanitizer. Add ~~two fifth (2/5)~~ <sup>one third 1/3</sup> ounces of this product for each 16 gallon wash load (11.2 grams per 60 liter wash load). This application provides approximately 100 ppm (mg/L) available chlorine in the pre-wash cycle. Run the solution through the pre-wash and follow using a regular wash cycle with a good detergent.]

**PASTEURIZER/WARMER/CANNERY COOLING WATER SYSTEMS:**

This product controls bacteria, fungi and algae in pasteurizer/warmer/cannery cooling water systems.

Add this product to the system water by direct placement at a point where it will become uniformly mixed into the system. The degree of contamination will determine the frequency of feeding and duration of the treatment. Clean badly fouled systems before starting treatment.

**[Intermittent Or Slug Method:**

**Initial Dose:** If the system is noticeably fouled, add 0.15 to 0.75 pounds of this product for every 1000 gallons (18 to 90 grams per 1000 liters) of water in the system to achieve

0.5-10 ppm (mg/L) available chlorine, as determined by a reliable test kit. Repeat treatment until residual is obtained.

Subsequent Dose: When microbial control is achieved, add 0.03 to 0.15 pounds of this product for every 1000 gallons (3.6 to 18 grams per 1000 liters) of water in the system to achieve 0.5-1 ppm (mg/L) available chlorine, as determined by a reliable test kit. Repeat treatment as needed to maintain control.]

**[Continuous Feed Method:**

Initial Dose: If the system is noticeably fouled, add 0.15 to 0.75 pounds of this product for every 1000 gallons (18 to 90 grams per 1000 liters) of water in the system to achieve 0.5-10 ppm (mg/L) available chlorine, as determined by a reliable test kit. Repeat treatment until residual is obtained.

Subsequent Dose: When microbial control is achieved, add 0.03 to 0.15 pounds of this product for every 1000 gallons (3.6 to 18 grams per day per 1000 liters) of water in the system per day to maintain 0.5-1 ppm (mg/L) available chlorine, as determined by a reliable test kit. ]

**INDOOR MEDICAL:**

Use this product as a sanitizer on hospital surgical fluid wastes.

**Solution Preparation:** Thoroughly mix 0.2 ounces of this product with 10 gallons of water (0.19 grams per liter) to prepare a 100 ppm (mg/L) sanitizing solution. Test solutions containing an initial concentration of 100 ppm (mg/L) available chlorine using a reliable chlorine test kit and adjust periodically to ensure that the available chlorine remains above 50 ppm (mg/L). If the available chlorine level falls below 50 ppm (mg/L), either discard the solution or add 0.1 ounces of this product per 10 gallons of water (90 mg/L) to increase the available chlorine level by 50 ppm (mg/L) and maintain a 100 ppm (mg/L) solution strength.

**Rinse or Spray Method:** Clean equipment surfaces as usual and rinse with potable water. If needed, clean gross filth and heavy soil from surfaces using a pre-scrape, pre-flush and, when needed, a pre-soak treatment. Before using equipment, thoroughly rinse all surfaces with the sanitizing solution and maintain contact with the sanitizer for a minimum of 2 minutes. Do not rinse treated equipment with water. Do not allow equipment to soak overnight. Use the same solution in the feed tanks of spray type machines, allowing at least one minute contact time to sanitize equipment.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

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**[INDOOR RESIDENTIAL:]**

**HARD SURFACE SANITIZATION:**

Use this product as a hard surface sanitizer on household/domestic dwellings indoor premises, residential floors, laundry (household and coin operated), toilet bowls (interior surfaces), bathroom premises/hard surfaces, and refuse/solid waste containers (garbage cans).

**Solution Preparation:** Thoroughly mix 0.25 ounces of this product for every 10 gallons of water (0.19 gram per liter) to prepare a 100 ppm (mg/L) sanitizing solution. Test solutions with an initial concentration of 100 ppm (mg/L) available chlorine using a reliable chlorine test kit and adjust periodically to insure that the available chlorine remains above 50 ppm (mg/L). If the available chlorine level falls below 50 ppm (mg/L), either discard the solution or add 0.1 ounces of this product per 10 gallons of water (90 milligrams per liter) to raise the available chlorine level by 50 ppm (mg/L) and maintain a 100 ppm (mg/L) solution strength.

**[Rinse Or Spray Method:** Clean equipment surfaces as usual and rinse with potable water. If necessary, remove gross filth and heavy soil from surfaces using a pre-scrape, pre-flush and, when needed, a pre-soak treatment. Before using equipment, thoroughly rinse all surfaces with the sanitizing solution and maintain contact with the sanitizer for at least 2 minutes. Do not rinse treated equipment with water. Do not allow equipment to soak overnight. Use the same solution in the feed tanks of spray type machines, allowing at least one minute contact time to sanitize equipment.]

**[Immersion Method:** Clean equipment as usual. Before use, immerse equipment in the sanitizing solution for a minimum of 2 minutes. Allow the sanitizer to drain. Do not rinse treated equipment with water. Do not allow equipment to soak overnight.]

**DISINFECTION OF DRINKING WATER IN EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS:**

**[PUBLIC SYSTEMS:** Feed 1 ounce of this product for every 6000 gallons of water in the system to achieve a free available chlorine residual of at least 0.2 ppm throughout the distribution system. Test water frequently with a suitable chlorine test kit. Conduct bacteriological sampling according to the schedule prescribed by the National Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.]

**[INDIVIDUAL SYSTEMS:**

**[Dug Wells:** After the casing (lining) has been completed, use a stiff brush to wash the interior of the casing (lining) with a 100 ppm available chlorine solution. Dissolve 1 ounce of this product in 40 gallons of water to prepare solution. Cover the well, then pour the disinfecting solution through both the pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder with the disinfecting solution. Start the pump and

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NOTE TO REVIEWER: [Bracketed text] denotes alternate or optional language.

pump water until a strong chlorine odor is detected in the water. Stop the pump and wait at least 24 hours. After 24 hours has passed, flush the well to remove all traces of chlorine from the water. Contact your local Health Department for further details.]

**[Drilled, Driven & Bored Wells:** Run the pump until water is as clear as possible from turbidity. Pour a disinfecting solution containing 100 ppm available chlorine 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 pump cylinder exterior with the disinfectant. Drop pipeline into well, start the pump and pump water until a strong chlorine odor is detected in the water. Stop the pump and wait at least 24 hours. After 24 hours has passed, flush the well to remove all traces of chlorine from the water. Contact your local Health Department for further details.]

**[Flowing Artesian Wells:** It is generally not necessary to disinfect artesian wells. If analysis indicates there is persistent contamination, disinfect the well. Contact your local Health Department for further details.]

**[Emergency Disinfection:** Use this product to disinfect raw or pre-treated (settled, coagulated and/or filtered) water supplies for human and domestic animal drinking water. The source of the treated water may be a river, lake, well, cistern or similar system. The water should be clear and free of dirt and organic debris to obtain optimum disinfection results. If the source water is cloudy and contains dirt and organic debris, keep it in holding tanks, treat with coagulating agents and filter to remove any dirt and organic debris. Dissolve 0.1 ounce of this product in 40 gallons of water (180 milligrams per 10 liters) to achieve 10 ppm (mg/L) available chlorine. Allow the water stand for one hour before use. Maintain 1 ppm (mg/L) available chlorine residual in the water, as determined by a suitable test kit, to ensure disinfection.

Preparation of Stock Solution: Dissolve one heaping teaspoon of this product (approximately 10 grams or 1/3 ounces) in 1 liter of water. This mixture will produce a 0.6% stock chlorine solution (6,000 mg/L). Use 20 drops of stock solution to treat each liter of water. Prepare a fresh stock solution each week.]]

## **PUBLIC WATER SYSTEMS:**

**[Reservoirs (Algae Control):** Although continuous chlorination is the optimal treatment for algae control, slug treatment is also an effective method. Select suitable chlorine feeding points on each stream at least 50 yards upstream from the points of entry into the reservoir. Add this product at the indicated rates:

Initial Dose: If the system is noticeably fouled, add this product at the rate of 1.5 to 7.5 ounces per 10,000 gallons to obtain a 0.5-1.5 ppm (mg/L) level of available chlorine, as determined by a reliable test kit. Repeat treatment until residual is achieved.

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Subsequent Dose: When algal control is evident, add this product at the rate of 0.5 to 2.3 ounces per 10,000 gallons to maintain a 0.2-0.5 ppm (mg/L) level of available chlorine, as determined by a reliable test kit.]

**[Mains:** Discharge hydrants to thoroughly flush section to be disinfected. Allow a water flow of at least 2.5 feet per minute to continue under pressure while injecting this product using a chlorinator. Discontinue the water flow when a chlorine residual test of 50 ppm is achieved at the low pressure end of the new main section following a 24 hour retention time. After completing chlorination, flush the system to clear all heavily chlorinated water.]

**[New Tanks, Basins, Etc.:** Clean the new tank, basin, etc., to remove all gross soil from surfaces. Add 9 ounces of this product for every 10 cubic feet of moving capacity to achieve 500 ppm available chlorine. Fill the new tank, basin, etc., 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:** Add 16 ounces of this product for every 150 to 200 cubic feet of sand. As this product dissolves in the water passing through the bed it will help disinfect the new sand.]

**[New Wells:** Use a 50 ppm available chlorine solution containing 1.2 ounces of this product for every 100 gallons of water to flush the casing. Pump or gravity feed the solution into the well after thorough mixing with agitation. Flush the well after 24 hours to remove all traces of chlorine from the water. Pump the well until a representative raw water sample is obtained. Conduct bacteriological sampling of the water to determine whether further treatment is necessary. Contact your local Health Department for further details.]

**[Existing Equipment:** Remove equipment from service and thoroughly clean equipment surfaces to eliminate any physical soil. Add 9 ounces of this product for every 10 cubic feet capacity (approximately 500 ppm available chlorine) to disinfect equipment. Fill the equipment to working capacity and allow to stand for at least 4 hours. Drain equipment and return to service. If it is not feasible to use the previous treatment method, equipment surfaces may also be sprayed with a solution containing 1.2 ounces of this product for every 5 gallons of water (approximately 1000 ppm available chlorine). After equipment has dried, flush with water and return to service.]

**EMERGENCY DISINFECTION AFTER FLOODS:**

**[Wells:** Use a 500 ppm available chlorine solution to thoroughly flush the contaminated casing. Mix 1.2 ounces of this product with 10 gallons of water to prepare the use solution. Backwash the well to eliminate turbidity and increase yield. Add enough chlorinating solution to the backwash to produce 10 ppm available chlorine residual, as measured by reliable a chlorine test kit. After reducing the turbidity and treating the casing, add enough chlorinating solution to produce a 50 ppm available chlorine

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residual. Flush the well after 24 hours to remove all traces of chlorine from the water. Pump the well until a representative raw water sample is obtained. Conduct bacteriological sampling of the water to determine whether further treatment is necessary. If the water samples are biologically unacceptable repeat the disinfection treatment. Contact your local Health Department for further details.]

**[Reservoirs:** Establish chlorinating stations upstream of the reservoir if overflowing streams cause contamination. Chlorinate the inlet water to establish a 0.2 ppm available chlorine residual in the entire reservoir obtains, as measured by a reliable chlorine test kit. If surface drainage causes contamination, add enough product directly to the reservoir to achieve a 0.2 ppm available chlorine residual in all areas.]

**[Basins, Tanks, Flumes, Etc.:** Thoroughly clean all equipment surfaces to remove gross soil. Add 9 ounces of this product for every 10 cubic feet of water to achieve a 500 ppm available chlorine level, as measured by a reliable chlorine test kit. Allow to stand for 24 hours. Drain and flush equipment with potable water and return to service. If it is not feasible to use the previous treatment method, equipment surfaces may also be sprayed or flushed with a solution containing 1.2 ounces of this product for every 5 gallons of water (1000 ppm available chlorine). Allow to stand for 2 to 4 hours. Flush equipment and return to service.]

**[Filters:** When replacing the sand filter, add 16 ounces of this product for every 150 to 200 cubic feet of sand. Distribute additional product over the surface at the rate of 16 ounces for every 20 square feet if the filter is severely contaminated. Allow water to stand for 4 to 24 hours at a depth of 1 foot above the filter bed surface. Add 16 ounces of this product for every 50 square feet when filter beds can be back-washed of mud and silt. Allow the water to stand at a depth of 1 foot above the filter sand for 30 minutes, and drain water to the level of the filter. After 4 to 6 hours has passed, drain the filter and proceed with normal back-washing.]

**[Distribution System:** Flush the replaced or repaired section of the distribution system with water. Set up a chlorinating station and apply enough product to achieve a consistent available chlorine residual of at least 10 ppm after a 24 hour retention time, as determined by a reliable chlorine test kit.]

#### **EMERGENCY DISINFECTION AFTER FIRES:**

**Cross Connections Or Emergency Connections:** Set up a chlorinating feed station near the untreated water supply intake. Add 1.3 ounces of this product for every 1,000 gallons of water to achieve a chlorine residual of at least 0.2 ppm, as determined by a reliable chlorine test kit, at the location where the untreated water supply enters the distribution system.

#### **EMERGENCY DISINFECTION AFTER DROUGHT:**

**[Supplementary Water Supplies:** Set up a chlorinating feed station on the supplementary water line. Add this product at a rate of 0.7 ounces for every 1,000

gallons of water until to achieve a minimum chlorine residual of 0.2 ppm, as determined by a reliable chlorine test kit. Hold the water for 20 minutes before using.]

**[Water Shipped In By Tanks, Tank Cars, Etc.:** Clean all containers and equipment thoroughly. Spray containers and equipment with a 500 ppm available chlorine solution and rinse with potable water after 5 minutes. Mix 0.6 ounces of this product for every 5 gallons of water to prepare the solution. While filling the containers and equipment, add enough product to achieve at least a 0.2 ppm chlorine residual, as determined by a reliable chlorine test kit.]

### **EMERGENCY DISINFECTION AFTER MAIN BREAKS:**

**Mains:** Flush out mud and gross soil before assembling the repaired section. Allow the water to flow at a rate of at least 2.5 feet per minute under pressure while injecting this product using a chlorinator. Discontinue the water flow when a chlorine residual test of 50 ppm is achieved at the low pressure end of the new main section following a 24 hour retention time. After completing chlorination, flush the system to clear all heavily chlorinated water.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Keep product dry in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. In case of decomposition, isolate container, if possible, and flood with large amounts of water to dissolve material before discarding.

**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.

**Fiberboard Containers:** Completely empty liner by shaking and tapping sides or bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of drum in same manner. ]

**Plastic Containers:** Triple rinse (or equivalent) promptly after emptying. [(containers less than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.] [(containers greater than 5 gallons/50 lbs.) Triple rinse as follows: Empty the 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. Empty the rinsate into



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application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.] Offer for recycling, if available, or for reconditioning, if appropriate. If the container is not recycled or reconditioned, puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning or incineration. If burned, stay out of smoke.

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

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