

75373 - 20001

9/12/2012

1/5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

September 12, 2012

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Kevin Myers, Manger for Operations  
Chautauqua Metal Finishing Supply  
Division of Chautauqua Chemicals Company, Inc.  
Post Office Box 100  
4743 Cramer Drive  
Ashville, NY 14710

Subject: Notification of: Minor Label Changes  
Product Name: **"Q.C. Sodium Hypochlorite"**  
EPA Registration Number: **75373-20001**  
Application Date: August 15, 2012  
Application Receipt: August 23, 2012

Dear Mr. Myers:

This acknowledges receipt of the Notification Application above, submitted pursuant to the provision of PR Notice 98-10, FIFRA 3(c) 9.

Proposed Notification:

Chautauqua Metal Finishing Supply is submitting the following Alternate Brand Name for **EPA Reg. No. 75373-20001: "Q.C. Sodium Hypochlorite."**

Chautauqua Metal Finishing Supply also is updating the **Storage and Disposal Statement** to comply with PR Notice 2007-4.

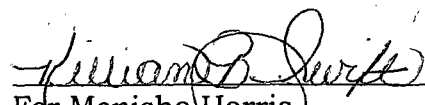
General Comments:

Based on a review of the material submitted, the following comment applies.

The Notification Application is **Acceptable**. A copy of the **accepted** Notification has been inserted in your file (**EPA Reg. No. 75373-20001**) for future reference.

If you have any questions about this Agency Letter, please contact Killian Swift via email at [swift.killian@epa.gov](mailto:swift.killian@epa.gov) or by telephone at **703-308-6346** during the hours of 6:00 AM until 12:00 PM Eastern Daylight Time. When you are submitting information or data in response to this Agency Letter, send a copy of this Agency Letter to accompany the follow-on submission in order to facilitate processing.

Sincerely yours,

  
\_\_\_\_\_  
For Monisha Harris,  
Product Manager-32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)



United States  
Environmental Protection Agency  
Washington, DC 20460

 Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number <b>42787-NY-1 / 20001</b>	2. EPA Product Manager	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>CHAUTAQUA CHEMICALS CO. INC. / QC SODIUM HYPOCHLORITE</b>	PM#	
5. Name and Address of Applicant (Include ZIP Code) <b>KEVIN MYERS CHAUTAQUA CHEMICALS CO. INC. PO BOX 100 / 4743 CRAMER DRIVE ASHVILLE, NY 14710</b> <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <b>75373-20001</b> Product Name <b>BLEACHTECH 12.5% SOLUTION</b>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

THIS NOTIFICATION IS TO INFORM THE EPA THAT AS A DISTRIBUTOR OF BLEACHTECH 12.5% SOLUTION AND RENAMED AND LABELED AS QC SODIUM HYPOCHLORITE, OUR LABEL IS IDENTICAL IN VERBAGE OTHER THAN UPDATED AND CURRENT INFORMATION WITHIN THE "STORAGE AND DISPOSAL SECTION".

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container <b>5-15-55-300 GALLON</b>	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application!)		
Name <b>KEVIN MYERS</b>	Title <b>OPERATIONS MGR.</b>	Telephone No. (Include Area Code) <b>716-763-4114</b>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Kevin Myers</i>	3. Title <b>OPERATIONS MGR.</b>	
4. Typed Name <b>Kevin Myers</b>	5. Date <b>8-15-12</b>	

#### 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 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. **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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

#### PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive.** May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or regional office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS: STRONG OXIDIZING AGENT.** Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine feces, etc.) will release chlorine gas, which is irritating to eyes, lungs and mucous membranes.

#### STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage, disposal, or cleaning of equipment. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.

**PESTICIDE DISPOSAL:** Pesticide wastes may be 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 HANDLING:

**REUSABLE CONTAINER:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Clean the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. If disposing of refillable container, offer for recycling if available or place in trash collection.

**CONTAINER CLEANING:** Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple Rinse:** If container has a capacity greater than five (5) gallons, triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Quintuple Rinse:** If container has a capacity of five (5) gallons or less, triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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.

**Pressure Rinse:** Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

#### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For additional directions of use, please contact Chautauqua Metal Finishing Supply.

**NOTE:** This product degrades with age. Use chlorine test kit and increase dosage as necessary, to obtain the required level of available chlorine.

**SWIMMING POOL WATER DISINFECTION:** For a new pool or spring start-up, super chlorinate with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm. To maintain the pool, add manually or by a feeder device 11 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.00 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers. Every 7 days, or as necessary, super chlorinate the pool with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not re-enter pool until the chlorine residual is between 1.0 to 3.0 ppm. At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

**WINTERIZING POOLS:** While water is still clear & clean, apply 3 oz. of product per 1,000 gallons while filter is running to obtain 3 ppm of available chlorine residual, as determined by a suitable test kit. Cover pool and prepare heater, filter and heater components for winter by following manufacturer's instructions.

**SPAS/HOT-TUBS:** Apply 5 oz. of product per 1,000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. To maintain water, apply 5 oz. of product per 1,000 gallons of water over the surface to maintain a chlorine concentration of 5 ppm. After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae. During extended periods of disuse, add 3 oz. of product daily per 1,000 gallons of water to maintain a 3 ppm chlorine concentration.

**SEWAGE & WASTEWATER EFFLUENT TREATMENT:** The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction. On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting wastewater disinfection:

1. Mixing: It is imperative that the product and the wastewater be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.

2. Contacting: Upon flash mixing, the flow through the system must be maintained.
3. Dosage/Residual Control: Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

#### SEWAGE AND WASTEWATER TREATMENT

**EFFLUENT SLIME CONTROL:** Apply a 100 to 1,000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 1.5 oz. of this product with 100 gallons of water.

**FILTER BEDS-SLIME CONTROL:** Remove filter from service and drain to a depth of 1 ft. above filter sand, then add 80 oz. of product per 20 sq/ft. evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.

#### DISINFECTION OF DRINKING WATER (EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS)

**PUBLIC SYSTEMS:** Mix a ratio of 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Primary 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. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder

also with the sanitizing solution. Start pump and wait at least 24 hours. After water. Consult your local Health Department for turbidity as possible. Pour 1 oz. be made by thoroughly mixing 1 oz. or chlorinated water to the well in order cylinder with the sanitizing solution chlorine in water is noted. Stop pump chlorine have been removed from the methods for introduction of the sanitizing

**COOLING TOWER/VAPORAZON SLUG FEED METHOD - Initial Dose:** 10,000 gallons of water in the system achieved. Subsequent Dose: When 1/4, or 1/5) of this initial dose when systems must be cleaned before treatment. **INTERMITTENT FEED METHOD:** product per 10,000 gallons of water 1/4, or 1/5) of this initial dose when blowdown. Subsequent Dose: When water in the system to obtain a 1 ppm 1/3, 1/4, or 1/5) of the water in the before treatment is begun. **CONTINUOUS FEED METHOD -** product per 10,000 gallons of water Maintain this treatment level by start by blowdown to maintain a 1 ppm re-



UN 1791, HYPOCHLORITE

KEEP OUT OF REACH OF CHILDREN  
DANGER!

SEE FIRST-AID ON SIGN PANEL

Distributed By:  
Chautauqua Metal Finishing Supply  
Division of Chautauqua Chemical  
4743 Cramer Drive, Ashville, NY

EPA Registration Number: 273  
EPA Establishment Number: 4

LOT # \_\_\_\_\_



Since Celebrating Over 50 Years of

45

also with the sanitizing solution. Start pump and pump water until strong odor of chlorine in water is gone and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed. Consult 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 sanitizing solution into the well. This solution can be made by thoroughly mixing 1 oz. of this product per 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizer into the rock formation. Wash the exterior of the pump cylinder with the sanitizing solution. 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. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer into the well. Consult your local Health Department for further details.

**COOLING TOWER/EVAPORATIVE CONDENSER WATER SLUG FEED METHOD - Initial Dose:** When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 11 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm. Badly fouled systems may be cleaned before treatment is begun.

**INTERMITTENT FEED METHOD - Initial Dose:** When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 ppm available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blowdown. Subsequent Dose: When microbial control is evident, add 11 oz. of this product per 10,000 gallons of water in the system to obtain a 1 ppm residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD - Initial Dose:** When system is noticeably fouled, apply 52 to 104 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 ppm available chlorine. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 1 oz. of this product per 1,000 gallons of water lost by blowdown to maintain a 1 ppm residual. Badly fouled systems must be cleaned before treatment is begun.

**UN 1791, HYPOCHLORITE SOLUTIONS, 8, PG III - ERG# 154 (RQ-100/45.4)**

**KEEP OUT OF REACH OF CHILDREN DANGER!**

**SEE FIRST-AID ON SIDE PANEL**

**ACTIVE INGREDIENT (NOMINAL CONCENTRATION): SODIUM HYPOCHLORITE... 12.50% INERT INGREDIENTS... 87.50% TOTAL... 100.00%**

**NET CONTENTS: \_\_\_\_\_ GALLONS**

**For Chemical Emergency: Spill, Fire, Exposure or Accident, call Chemtrec 24 Hrs/Day at (800) 424-9300**

**Distributed By: Chautauqua Metal Finishing Supply Division of Chautauqua Chemicals Co., Inc. 4743 Cramer Drive, Ashville, NY 14710**

**EPA Registration Number: 475376-20001-42787 EPA Establishment Number: 42787-NY-1**

**Since 1951 Celebrating Over 50 Years of Quality and Service**

**NOTIFICATION Date Reviewed: 9-12-12 Reviewed By: K.S.W.H.F.**

**NACD Responsible Distribution Process**

**Quality - Responsibly - Responsibly**

**Stop pump and pump water until strong odor of chlorine in water is gone and wait at least 24 hours. After 24 hours, flush well until all traces of chlorine have been removed. Consult your local Health Department for further details.**

**DIRECTIONS FOR USE:**

**NOTE:** This product degrades with age. Use chlorine test kit and increase dosage as necessary, to obtain the required level of available chlorine.

**SWIMMING POOL WATER DISINFECTION:** For a new pool or spring start-up, super-chlorinate with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm. To maintain the pool, add manually or by a feeder device 11 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers. Every 7 days, or as necessary, super-chlorinate the pool with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not re-enter pool until the chlorine residual is between 1.0 to 3.0 ppm. At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

**WINTERIZING POOLS:** While water is still clear & clean, apply 3 oz. of product per 1,000 gallons while filter is running to obtain 3 ppm of available chlorine residual, as determined by a suitable test kit. Cover pool and prepare heater, filter and heater components for winter by following manufacturer's instructions.

**SPAS/HOT-TUBS:** Apply 5 oz. of product per 1,000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. To maintain water, apply 5 oz. of product per 1,000 gallons of water over the surface to maintain a chlorine concentration of 5 ppm. After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae. During extended periods of disuse, add 3 oz. of product daily per 1,000 gallons of water to maintain a 3 ppm chlorine concentration.

**SEWAGE & WASTEWATER EFFLUENT TREATMENT:** The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction. On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

- Mixing: It is imperative that the product and the wastewater be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.
- Contacting: Upon flash mixing, the flow through the system must be maintained.
- Dosage/Residual Control: Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

**SEWAGE AND WASTEWATER TREATMENT EFFLUENT SLIME CONTROL:** Apply a 100 to 1,000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 1.5 oz. of this product with 100 gallons of water.

**FILTER BEDS-SLIME CONTROL:** Remove filter from service and drain to a depth of 1 ft. above filter sand then add 80 oz. of product per 20 sq. ft. evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.

**DISINFECTION OF DRINKING WATER (EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS) PUBLIC SYSTEMS:** Mix a ratio of 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Primary 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. This solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder.

h water for 15-20 minutes; continue rinsing eye, call a doctor for treatment

ing; rinse skin immediately after treatment

diately for treatment advice; do not breathe, call 911 or an

omitting unless told to do so

by mouth to an unincised wound

ot breathing, call 911 or an

to-mouth, if possible; call a

ve the product container or

going for treatment.

indicate the use of gastric

**S: IC ANIMALS**

ation or chemical burns to eyes and rubber gloves when using vapors. Vacate poorly ventilated areas.

fish and aquatic organisms. streams, ponds, estuaries, etc. of a National Pollutant Discharge Elimination Act (NPDES) permit authority has been issued for this product to the receiving water body. For more information, contact your local EPA office.

**DISINFECTING AGENT.** Mix with water. Do not use with other chemicals (e.g. acids, bases, etc.) will release chlorine gas.

direct sunlight and heat to avoid degradation of equipment. In case of spill, used should be diluted with water.

posal of excess pesticide, spray with water. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

rease this container for any other use. Clean the container before reuse. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

nt) promptly after emptying. Use as follows: Empty remaining product into a 5-gallon container. Turn the container over onto its side. Empty the remaining contents into a 5-gallon container. Repeat this procedure two times. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

application equipment or mix tank. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

ner upside down over application equipment or a mix tank or store in a cool, dry place. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

re rinsing nozzle in the side of the container. Do not use in confined spaces, or the Hazardous Waste Agency, or the Hazardous Waste Agency, or the Hazardous Waste Agency.

after the flow begins to drip.

