

74986-5

4-29-2008

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



Office of Pesticide Programs

April 29, 2008

George G. Misko
Keller and Heckman, LLP
1001 G Street, NW
Suite 500 West
Washington, DC 20001

Subject: Selective Micro Technologies, LLC
Selectocide Micro-Clean 1G-1
EPA Registration No. 74986-5
Application Dated: March 30, 2008
Receipt Date: April 21, 2008

Dear Mr. Misko:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA Section 3(c)9..

General Comments

Based on a review of the material submitted, the following comments apply:

This notification to correct the typographical error in dosage rate is acceptable. A copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Henson
Product Reviewer - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

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United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Selective Micro Technologies, LLC / 74986-5		2. EPA Product Manager Emily Mitchell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Selective Micro-Clean 1G-1		PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Selective Micro Technologies 66 Cherry Hill Drive Suite 230 Beverly, MA 01915 <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. <u>N/A</u> Product Name _____	

Section - II

Amendment - Explain below. Final printed labels in response to Agency letter dated _____
 Resubmission in response to Agency letter dated _____ "Me Too" Application.
 Notification - Explain below. Other - Explain below.

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

- Notification of revision of use directions in technical bulletin per PR Notice 98-10
- This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PH Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" 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	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) <u>metallized</u>
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container _____

5. Location of Label Directions

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name George G. Misko	Title Authorized Agent and Attorney	Telephone No. (Include Area Code) (202) 434-4170
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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.

2. Signature <i>Howard Lindsey Parris Jr</i>	3. Title Partner	6. Date Application Received (Stamped)
4. Typed Name Howard L. Parris, Jr.	5. Date March 30, 2008	

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January 25, 2008

Ms. Emily Mitchell
Product Manager 32
Ms. Wanda Henson, Deputy Manager
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
US Environmental Protection Agency
Crystal City Offices
Arlington, VA 22202-4501

RE: Notification for 74986-5 (Selectroicide®5G)

Dear Ms. Mitchell and Ms. Henson,

This package is to notify the Agency of a typographical error on the label for our Selectroicide5G product, 74986-5.

On the second page of the label, under "Directions for Use," Step 2, users are instructed to use 24 liters of water to active the product. Although accurate for Selectroicide®12G of the 74986-5 registration, this is not correct for the 5G product.

To generate the prescribed 500 ppm solution of chlorine dioxide, 10 liters of water should be used, not 24 liters. This is reflected on page 1 of the label, which states underneath the ingredients:

"Amount of Chlorine Dioxide generated = 0.05% in 10 liters of water"

Attached is a single page highlighting the correction, as well as a complete copy of the revised label.

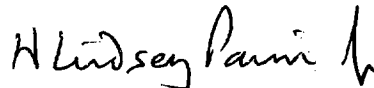
Because some subregistrants may wish to distribute the 5G product, I request this revised copy of the label (reflecting 10 liters of water) be included in the Agency's data base.

The minor modifications the Agency directed for the Technical Bulletin will be provided separately.

I regret this typographical oversight, and apologize for the inconvenience.

If these materials are insufficient or incomplete, I would appreciate your contacting me directly (703-836-3604) so I may expedite any additional information or corrections to your attention. If you would, please copy Selective Micro's agent, Keller and Heckman, LLP, in care of Mr. Mike Novak, Partner, on correspondence related to this matter.

Sincerely,



H. Lindsey Parris, Jr.
Partner, Selective Micro Technologies

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- 1. Form 8570-1 2. Highlighted correction sheet from label 3. Revised label, complete copy

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TO OPEN CUT ON DOTTED LINE



Selectroicide® — 5G —

DISINFECTANT/SANITIZER/TUBERCULOCIDE/VIRUCIDE FUNGICIDE/ALGAECIDE/SLIMICIDE/DEODORIZER

When used as directed, this chlorine dioxide-generating product is proven effective as: a **disinfectant** against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella enterica*, methicillin-resistant *S. aureus* (MRSA), vancomycin-resistant *Enterococcus faecalis*, *Mycobacterium bovis* (TB), *Trichophyton mentagrophytes* (athlete's foot), *Listeria monocytogenes*, and *Candida albicans*; a **virucide** against Corona virus, Feline Calicivirus, Hepatitis A, Human Immunodeficiency Virus Type 1 (HIV-1), Poliovirus-1, Rotavirus, Influenza-A, Rhinovirus type 37, Canine Parvovirus, Adenovirus type 5, Herpes Simplex-2, Vaccinia, and Norovirus (feline calici used as testing surrogate); a **sanitizer** against *E. coli* (and *E. coli* O157:H7), *S. aureus*, *Salmonella typhimurium* (MDRS), *Klebsiella pneumonia*, and *Listeria monocytogenes*; a **fungicide** against *Penicillium digitatum*, *Botrytis Sp*, and *Fusarium solani*; and an **algaecide** (*Phormidium boneri*). See Technical Bulletin for ATCC designation numbers.

KEEP OUT OF REACH OF CHILDREN

DANGER

(See back panel for other cautions)

Active Ingredient:	
Sodium Chlorite:	30.5%
Other Ingredients:	69.5%
Total:	100.0%

Amount of Chlorine Dioxide generated = 0.05% in 10 liters of water

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 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:	Remove victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice. Get medical attention.

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.

EPA Registration No. 74986-5

EPA Establishment No. 071441-OH-004

Manufactured for:

Selective Micro Technologies 5 Cherry Hill Dr., Danvers, MA 01923

www.selectivemicro.com

Net Weight of contents.....2.52 ounces (71.30 grams)

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER: DRY INGREDIENTS: CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND CAUSES SKIN BURNS. HARMFUL IF SWALLOWED. WEAR PROTECTIVE EYEWEAR (GOGGLES, FACE SHIELD OR SAFETY GLASSES) WHEN HANDLING DRY INGREDIENTS. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING OR USING TOBACCO. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

ACTIVATED SOLUTION: HARMFUL IF SWALLOWED. DO NOT GET IN THE EYES OR ON CLOTHING. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPORS. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING

PHYSICAL OR CHEMICAL HAZARDS

DRY SODIUM CHLORITE IS INCOMPATIBLE WITH ACIDS, REDUCING AGENTS, COMBUSTIBLE MATERIALS, SULFUR-CONTAINING RUBBER, SOLVENTS AND PAINTS. KEEP ACTIVATED SOLUTION FROM LIGHT AND HEAT. CHLORINE DIOXIDE GAS MAY CONCENTRATE IN OPEN SPACE OF CONTAINER IN WHICH 5G ENVELOPE IS ACTIVATED. ALWAYS DILUTE ACTIVATED PRODUCT IN WELL-VENTILATED AREA. DO NOT REMOVE 5G FROM CONTAINER OF WATER PRIOR TO COMPLETE GENERATION—10 HOURS AFTER IMMERSION IN WATER.

NOTE: For use in the institutional or commercial applications discussed below and in the accompanying Technical Bulletin. Not for use in households or where young children may be present.

DIRECTIONS FOR USE: IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH THE LABELING.

1. Open the package, ensuring the 5G envelope inside is not cut. Discard desiccant.
2. To achieve an aqueous solution of 500 ppm chlorine dioxide, immerse (submerge) the 5G envelope in container with 10 liters of water. Close/seal container tightly. Container interior should be dark and resistant to oxidation. See Technical Bulletin for recommendations regarding amount of water, contact times and dilutions for specific applications, and recommended container specifications.
3. **WAIT AT LEAST 10 HOURS BEFORE USE TO ENSURE SOLUTION REACHES FULL STRENGTH.** DO NOT REMOVE 5G FROM CONTAINER OF WATER PRIOR TO 10 HOURS.
4. Remove 5G from container and mix gently before use. Work in well-ventilated area and avoid inhaling fumes. Wear protective gloves if hands will come into contact with activated solution during dilution or application; wear NIOSH/MHSA-approved respirator for chlorine dioxide if working with stock (500 ppm) solution in open container. Remove envelope from container within 48 hours after activation. Do not reuse the 5G. Discard envelope according to instructions below. Before use, verify concentration with *Selective Micro® Chlorine Dioxide Test Strips* to ensure appropriate concentration (see Technical Bulletin for directions if *Test Strips* indicate lower-than-desired concentration).
5. Activate prior to expiration date stamped on package. Store unused solution (and/or subsequent dilutions) in a dark, oxidation-resistant closed or sealed container. Record activation date and concentration on stick-on label shipped with the product, and affix to storage container. Store activated solution in cool place out of direct sunlight (do not store in refrigerator dedicated to food storage). Use solution and/or subsequent dilutions within 15 days of activation.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE AND DISPOSAL. STORE IN COOL, DRY, VENTILATED AREA. STORE BELOW 50° C (122° F). KEEP PRODUCT OUT OF DIRECT SUNLIGHT. STORE SEPARATELY FROM WATER AND ACIDS. IF PACKAGE RUPTURES AND CONTENTS SPILL, DO NOT PERMIT CONTACT OF CONTENTS WITH ORGANIC MATERIALS (FOR EXAMPLE: CLOTHING OR COMBUSTIBLE MATERIALS) OR ACIDS. PESTICIDE WASTES ARE TOXIC. IMPROPER DISPOSAL OF EXCESS DRY PESTICIDE IS A VIOLATION OF FEDERAL LAW. IF THIS PRODUCT CANNOT BE USED 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. DISPOSE OF SPENT ENVELOPE IN A SANITARY LANDFILL OR BY INCINERATION, OR IF ALLOWED BY STATE AND LOCAL AUTHORITIES, BY BURNING. IF BURNED, STAY OUT OF SMOKE.

WARRANTY STATEMENT: The Company warrants the product to be free from defects in material and workmanship. THE COMPANY MAKES NO WARRANTY THAT THE GOODS SHALL BE MERCHANTABLE. THE COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED, EXCEPT SUCH AS IS EXPRESSLY SET FORTH HEREIN. The Company shall not be liable for any incidental or consequential damages for any breach of warranty. The Company's liability for any breach of warranty shall be limited to the purchase price of the product.

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When used as directed, on hard, non-porous surfaces (e.g., stainless steel, brass, glass, vinyl, PVC, polypropylene), this product is an effective sanitizer, disinfectant, tuberculocide, virucide, fungicide, algacide, general-purpose antimicrobial and cleaner for use in a wide range of applications, including but not limited to: hospitals; medical & veterinary facilities; pharmaceutical production facilities, including equipment (e.g., ultracentrifuges); wineries, breweries, and beverage / bottling plants; laboratories and other clinical settings; potable and non-potable water systems and attendant equipment & tubing; restaurants and food processing plants; and greenhouses/horticultural settings." Heavily soiled surfaces must be pre-cleaned prior to treatment. Apply by mop, sponge, or sprayer, ensuring visible wetness for times specified for these applications, or apply through immersion or clean-in-place application. Wear a NIOSH/MHSA-approved respirator appropriate for chlorine dioxide when using a high-pressurized sprayer and under other circumstances detailed in the Technical Bulletin.

General Dilution Instructions: All dilutions begin with a stock solution at a nominal concentration of 500 ppm, except when the product is activated directly to the application concentration (see technical bulletin). Except where otherwise directed, or for other use concentrations (see technical bulletin), use the following dilution instructions to achieve the use concentration indicated:

To Achieve Use Concentration of:	Use Dilution Device or Sprayer With a Dilution Ratio of:
100 ppm	1:5 (one part 500 ppm solution to 4 parts water)
50 ppm	1:10 (one part 500 ppm solution to 9 parts water)
20 ppm	1:25 (one part 500 ppm solution to 24 parts water)
5 ppm	1:100 (one part 500 ppm solution to 99 parts water)
0.25 ppm	1:2,000 (one part 500 ppm solution to 1,999 parts water)

SANITIZER FOR HARD, NON-POROUS, FOOD-CONTACT SURFACES. Effective food contact surface sanitizer at 5 ppm against *E. coli* and *E. coli O157:H7*, *Salmonella typhimurium* (MDRS), and *Staphylococcus aureus* with an exposure time of 1 minute. Product may be used on previously cleaned food preparation surfaces; fountain drink and beverage dispensers; glassware, plates and eating utensils; food processing equipment, including beer processing equipment and lines, and food conveyor belts. Dilute to 5 ppm as table above specifies. See Technical Bulletin for alternative dilution instructions and application specifics.

SANITIZER FOR HARD, NON-POROUS, NON-FOOD-CONTACT SURFACES. Effective non-food contact surface sanitizer at 20 ppm against *Staphylococcus aureus*, *Klebsiella pneumoniae*, and *Listeria monocytogenes* with an exposure time of 5 minutes. Product may be used on non-food contact surfaces, including floors, walls, furnishings, and equipment. Dilute to 20 ppm as table above specifies. See Technical Bulletin for alternative dilution instructions and application specifics.

DISINFECTANT OR VIRUCIDE FOR HARD, NON-POROUS SURFACES: Product may be used at 100 ppm with an exposure time of 10 minutes to disinfect hard surfaces in medical facilities or veterinary clinics that may be contaminated with *Staphylococcus aureus*, *Salmonella enterica*, *Pseudomonas aeruginosa*, methicillin-resistant *S. aureus* (MRSA), vancomycin-resistant *Enterococcus faecalis*, *Mycobacterium bovis* (TB), *Trichophyton mentagrophytes* (athlete's foot), *Listeria monocytogenes*, *Candida albicans*, *Corona virus*, *Feline Calicivirus*, *Hepatitis A*, *Human Immunodeficiency Virus Type 1 (HIV-1)*, *Poliovirus-1*, *Rotavirus*, *Influenza-A virus*, *Rhinovirus type 37*, *Canine Parvovirus*, *Adenovirus type 5*, *Herpes Simplex-2*, *Vaccinia*, and *Norovirus*. This product may be used as a disinfectant or virucide on general environmental surfaces. Dilute to 100 ppm as table above specifies. See Technical Bulletin for detailed directions and other dilution and application specifics.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATING SURFACES AND OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS POTENTIALLY CONTAINING HUMAN IMMUNODEFICIENCY VIRUS TYPE-1 (HIV-1)

- Wear protective barriers such as disposable latex gloves, gowns, masks, and eye coverings when handling items soiled with blood or body fluids.
- Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of activated solution.

- Blood, other body fluids, and contaminated cleaning materials should be autoclaved and disposed of according to local regulations for infectious waste disposal.

DISINFECTANT FOR CLEAN-IN-PLACE APPLICATIONS FOR POTABLE WATER SYSTEMS:

Product may be used to disinfect lines (contaminated with *Staphylococcus aureus*, *Salmonella enterica*, *Pseudomonas aeruginosa*, methicillin-resistant *S. aureus* (MRSA), vancomycin-resistant *Enterococcus faecalis*, and *Candida albicans*) used in fountain drink or other beverage preparation, storage, transfer and dispensing. Dilute as table above specifies to either 100 ppm for a 10-minute exposure time or to 50 ppm for a 20-minute exposure time. See Technical Bulletin for preparation directions and other dilution and application specifics.

ANTIMICROBIAL AND GENERAL CLEANING APPLICATIONS FOR POTABLE WATER SYSTEMS:

This product will reduce microbial populations in the potable water holding tanks and lines of recreational vehicles (RV) and boats, in marine and RV wastewater tanks and lines; and fountain drink or other beverage preparation, storage, transfer and dispensing lines and equipment. In addition, it will clean, eliminate odors, and remove organic matter. These uses must be followed by a potable water rinse. For 50 ppm, use one 5G for every 250 gallons of capacity, rounding to the next higher number of 5Gs (for example, use two 5Gs to treat a 500-gallon tank; for four 250-gallon tanks—total capacity of 1000 gallons—use four). See Technical Bulletin for detailed directions and other dilution and application specifics.

ANTIMICROBIAL APPLICATIONS FOR NON-POTABLE WATER SYSTEMS IN HORTICULTURAL SETTINGS:

This product may be used to reduce microbial populations in non-potable water used with cut flowers to minimize microbial transfer from water to flower, thereby maintaining freshness and extending shelf-life of cut flowers. Dilute to 5 ppm as table above specifies. See Technical Bulletin for detailed directions and other dilution and application specifics.

GENERAL DISINFECTANT, SANITIZER, ALGAECIDE AND FUNGICIDE FOR HORTICULTURAL AND GREENHOUSE APPLICATIONS:

For horticultural applications, this product may be used to disinfect (100 ppm/10 minutes or 50 ppm/20 minutes) and sanitize (20 ppm/5 minutes) hard, non-porous surfaces; to treat, control, and prevent funguses (5 ppm/1hour) (*Penicillium digitatum*, *Botrytis Sp.*, *Fusarium solani* & *oxysporum f. sp. Basiliicum (Fob)*, and *Pythium irregulare* & *aphanidermatum*), bacteria (*Erwinia chrysanthemi*), algae (*Phormidium boneri*), attendant slimes, rusts, leaf spot and mildews; and to remove slimes (50 ppm/12 hours-overnight) & inhibit reemergence (0.25 ppm/continuous treatment) in irrigation and other non-potable water systems. Concentrations and contact times are application-specific; dilute to use concentrations as table above specifies. See Technical Bulletin for detailed directions and other dilution and application specifics.

FRUIT AND VEGETABLE WASH TO EXTEND FRESHNESS AND SHELF-LIFE.

This product may be used at 5 ppm for 1 minute to reduce spoilage microorganisms on raw agricultural commodities in food processing facilities. Spray or dip RACs, and follow with a potable water rinse or by canning, blanching, or cooking. Dilute to 5 ppm as table above specifies. See Technical Bulletin for detailed directions and other dilution and application specifics.

ANTIMICROBIAL APPLICATIONS TO CONTROL THE BUILDUP OF MICROBES IN PROCESS WATERS FOR FRUIT AND VEGETABLE RINSE AND ASSOCIATED TANKS, FLUMES, AND LINES.

This product will inhibit the build-up of microbes in water used in the processing of fruits and vegetables. Target residual concentrations of chlorine dioxide between 0.25 ppm and 5.0 ppm are recommended to control microbial buildup. Dilute to 0.25 ppm or 5 ppm as table above specifies, or follow directions in Technical Bulletin. Inject chlorine dioxide continuously or intermittently to the system to maintain desired concentration. The frequency and volume of replenishment will vary with the degree of contamination in the fruits and vegetables being processed, target concentration, and process design. See Technical Bulletin for preparation directions and other dilution and application specifics.

ANTIMICROBIAL TREATMENT FOR POULTRY DRINKING WATER.

This product may be used at up to 5 ppm to control microorganisms in drinking water intended for poultry. Dilute to 5 ppm as specified above, or use directly in system with automatic, on-demand injection system metered to produce end concentration at up to 5 ppm. Application particulars will depend upon metering system, frequency of replenishment, and

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capacity of drinking container. See Technical Bulletin for activation instructions and other dilution and application specifics.

SANITIZING FINAL RINSE OF PRE-CLEANED OR NEW RETURNABLE OR NON-RETURNABLE CONTAINERS. This product may be used as a final sanitizing rinse for plastic, glass or metal returnable and non-returnable bottles, cans, caps, kegs, and beverage containers. Beginning with a 500 ppm solution, use a device with a 6:100 dilution ratio (six parts solution to 94 parts water) to produce an end application concentration of 30 ppm. Alternatively, activate directly to the end concentration of 30 ppm using directions in the Technical Bulletin. Rinse bottles, cans, or other containers with the use solution, ensuring visible wetness. Allow to drain dry. See Technical Bulletin for preparation directions and other dilution and application specifics.

ANTIMICROBIAL AND GENERAL CLEANING USES FOR NON-POTABLE WATER APPLICATIONS INVOLVING RECIRCULATING WATER SYSTEMS (E.G., COOLING TOWERS, PAPER MILLS, AND DECORATIVE OR ORNAMENTAL FOUNTAINS): This product will help remove, control and inhibit reemergence of slimes, algae, fungi, and other organic buildups in recirculating water systems. For initial or remedial treatment in cases of visually-obvious build-up of slime, algae, or organic matter: beginning with a 500 ppm solution, for each 1,000 gallons of cooling or fountain water, add 10 gallons of the 500 ppm solution to achieve a residual concentration of chlorine dioxide of approximately 5 ppm. Circulate water in normal system operation. Repeat daily until desired results are achieved. For continuous or periodic treatment: beginning with a 500 ppm solution, for each 1,000 gallons of cooling or fountain water, add one gallon of the 500 ppm solution to achieve a residual concentration of chlorine dioxide of approximately 0.5 ppm. Circulate water in normal system operation. See Technical Bulletin for activation instructions and other dilution and application specifics.

ANTIMICROBIAL APPLICATIONS FOR WATER-BASED CUTTING FLUIDS/OILS: This product will help remove, control and inhibit reemergence of slimes, odor-causing bacteria, and other organic growth in water-based cutting oils and attendant systems. The chlorine dioxide can be generated externally to the system or directly in the cutting oil for batch treatments, continuous operation, or shock (for heavily contaminated systems). For solutions generated externally: beginning with a 500 ppm solution, for each 1,000 gallons of cutting oil in the system, add between 2 and 20 gallons of the 500 ppm solution, depending on the amount of contamination and frequency of treatment. To generate Selectocide® directly in the cutting oil, immerse envelope(s) in the oil for at least 10 hours (but no more than 48 hours) to achieve a chlorine dioxide concentration of between 1 ppm and 10 ppm in accordance with activation instructions in the Technical Bulletin. See Technical Bulletin for dilution and application specifics.