

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

April 28, 2005

Howard L. Parris
Partner
Selective Micro Technologies
66 Cherry Hill Drive, Suite 230
Beverly, MA 01915

Subject: Selective Micro Clean-Alpha
EPA Registration No. 74986-4
Application Date: March 30, 2005
Receipt Date: March 30, 2005

Dear Mr. Parris:

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

Proposed Notification

- deletion of pest
- addition to Use Directions concerning cleaning of surfaces prior to reuse

General Comments

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

The notification application is acceptable and 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 Mitchell
Product Reviewer 32
Regulatory Management Branch II
Antimicrobials Division (7510C)

CONCURRENCES

SYMBOL	7510 C	MSJUL						
URNAME	E. Berg	Mitchell						
DATE	4/28/05	4-28-05						

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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 / 74986-4	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-Alpha	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

<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 type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

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

- Notification of (a) deletion of pest and (b) 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:				2. Type of Container	
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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Paper	Other (Specify) <u>metallized</u>
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 checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued 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 George G. Misko	Title Authorized Agent and Attorney	Telephone No. (Include Area Code) (202) 434-4170
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>Howard L. Parris Jr</i>	3. Title Partner	
4. Typed Name Howard L. Parris, Jr.	5. Date March 30, 2005	

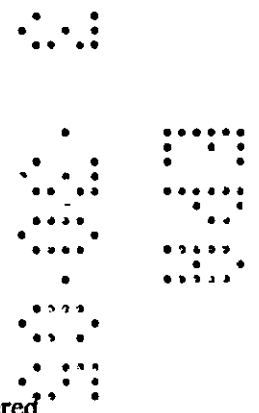
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616 King's Cloister Circle Alexandria, Virginia 22302-4000

March 30, 2005

Ms. Emily Mitchell
Product Manager 32, Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
US Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202-4501



RE: Notification for 74986-4 (Selective Micro®Clean-Alpha)

Dear Ms. Mitchell,

There are two notification matters attendant to the technical bulletin of our recently registered product, Selective Micro®Clean-Alpha, EPA Reg. No. 74986-4.

- First, page 9 of the technical bulletin, section C, contains references to the algae *Botrydiopsis alpin*. Not only is this misspelled (*alpina*, not *alpin*), but it does not appear on the label and should not appear in the technical bulletin for this product.
- Second, in its January 18, 2005 letter to Selective Micro, the Agency directed the following use instruction be included in the technical bulletin for product 74986-1, Selective Micro®Clean-A, under the section that addresses disinfecting commercial animal confinement facilities: *"Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse."* Because the identical use pattern appears in the very similar product 74986-4, we believe the same requirement should apply, and have added the appropriate language to the relevant section on page 5 of the technical bulletin to ensure internal consistency of instructions across the Selective Micro product line in keeping with the Agency's requirements. This additional instruction does not change use conditions, concentration, contact time, or other application specifics in this use pattern—other than that mandated by the instruction itself; as such, it qualifies as a notification.

I have attached a completed Form 8570 pursuant to this notification, in accordance with PR 98-10. Attachments include: (1) a copy of the Agency letter of January 18, 2005, (2) copies of the two pages—5 and 9—of the registered technical bulletin affected by these two notification actions, with the areas of interest highlighted, and (3) three copies each of pages 5 and 9 of the technical bulletin with the modifications made as discussed in the foregoing.

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. George Misko, Partner, on correspondence related to this matter.

Sincerely,

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

SELECTIVE MICRO TECHNOLOGIES, LLC

SELECTIVE MICRO®CLEAN-ALPHA
EPA REG. NO. 74986-4

NOTIFICATION OF
REVISION OF USE DIRECTIONS
IN TECHNICAL BULLETIN

ATTACHMENT 1: COPY OF US EPA LETTER,
JANUARY 18, 2005, DIRECTING ADDITIONAL USE
LANGUAGE BE INSERTED IN THE TECHNICAL BULLETIN
FOR EPA REG. NO. 74986-1

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

January 18, 2005

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

Subject: Selective Micro Technologies, LLC
Selective Micro Clean-A
EPA Registration Number 74986-1
Application Dated: October 20, 2004
Receipt Date: October 20, 2004

Dear Mr. Misko:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the conditions listed below:

- Revisions per August 28, 2003, Agency letter
- To add a technical bulletin

Conditions

1. Revise the Ingredient statement as follows:

ACTIVE INGREDIENT:	
Sodium Chlorite	13.45%
OTHER INGREDIENTS:	<u>86.55%</u>
Total	100.00%

2. Add the statement "For 100ppm use a device or sprayer with a 1:5 dilution" under the "Antimicrobial and General Cleaning Applications for Potable Water" heading.

- 3. Revise the technical bulletin as follows:
 - a. The complete sterilant disclaimer statement must appear under the "Disinfectant Uses in Medical and Dental Offices, Laboratories, Hospitals, Clinics, Morgues and Institutions."
 - b. Add the directions to "Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse" under the "To disinfect commercial facilities such as poultry . . ." heading.

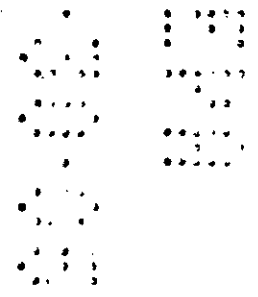
General Comments

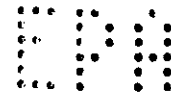
A stamped copy of the labeling accepted with conditions is enclosed. Submit a copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

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

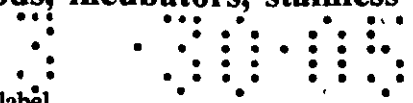
Sincerely,

for Wanda Mitchell,
Emily H. Mitchell
Product Manager - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510C)





B. To disinfect equipment tops, bench tops, biological hoods, incubators, stainless steel equipment and instruments:



1. Activate *Selective Micro®Clean-A* according to "Directions for Use" on pouch label.
2. Clean all surfaces thoroughly with a suitable detergent and rinse with water prior to disinfection.
3. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-A* pouch with a 1:5 dilution device (one part activated solution to four parts water).
4. Spray, mop or sponge the 100 ppm solution onto surfaces to be disinfected. All surfaces must remain visibly wet for at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
5. After disinfecting, allow surfaces or equipment to air dry. Do not reuse solution. Do not rinse disinfected surfaces.
6. Dispose of pouch according to instructions on pouch label.

C. To disinfect commercial animal confinement facilities such as poultry houses, swine pens, calf barns and kennels:

1. Activate *Selective Micro®Clean-A* according to "Directions for Use" on pouch label.
2. Remove all animals and feed from facility to be disinfected.
3. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other structures occupied or traversed by animals.
4. Empty all troughs, racks and other feeding and watering appliances.
5. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-A* pouch with a 1:5 dilution device (one part activated solution to four parts water).

FOR GENERAL APPLICATION WITH SPRAYER:

6. With soap or detergent, thoroughly clean all surfaces and rinse with water.
7. Using a commercial sprayer, saturate all surfaces with the solution maintaining visible wetness for a period of at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
8. After treatment, ventilate buildings, coops or other enclosed spaces before reentering. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.

AS A DISINFECTING SOAK:

6. With soap or detergent, thoroughly clean halters, ropes or other types of equipment used in handling and restraining animals and forks, shovels and scrapers used in removing litter and manure. Rinse with water.
 7. Fill container or vat with 100 ppm solution, and immerse items for a period of at least ten (10) minutes.
 8. Discard solution in sanitary drain or as ordinary non-hazardous waste. Do not reuse solution.
9. Dispose of pouch according to instructions on pouch label.

DISINFECTANT FOR BEVERAGE AND WATER SYSTEMS AND LINES

To disinfect lines, holding tanks and other equipment used in fountain drink or other beverage preparation, storage, transfer and dispensing operations or to disinfect the lines

Selective Micro Technologies believes the information contained on this Instruction Bulletin is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules of insurance requirements.

NO WARRANTY IS MADE, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

B. To disinfect equipment tops, bench tops, biological hoods, incubators, stainless steel equipment and instruments:

1. Activate *Selective Micro*[®]2L500 according to "Directions for Use" on pouch label.
2. Clean all surfaces thoroughly with a suitable detergent and rinse with water prior to disinfection.
3. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro*[®]2L500 pouch with a 5:1 dilution device (one part activated solution to four parts water).
4. Spray, mop or sponge the 100 ppm solution onto surfaces to be disinfected. All surfaces must remain visibly wet for at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
5. After disinfecting, allow surfaces or equipment to air dry. **DO NOT** reuse solution. **DO NOT** rinse disinfected surfaces.
6. Dispose of pouch according to instructions on pouch label.

C. To disinfect commercial animal confinement facilities such as poultry houses, swine pens, calf barns and kennels:

1. Activate *Selective Micro*[®]2L500 according to "Directions for Use" on pouch label.
2. Remove all animals and feed from facility to be disinfected.
3. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other structures occupied or traversed by animals.
4. Empty all troughs, racks and other feeding and watering appliances.
5. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro*[®]2L500 pouch with a 5:1 dilution device (one part activated solution to four parts water).

FOR GENERAL APPLICATION WITH SPRAYER:

6. With soap or detergent, thoroughly clean all surfaces and rinse with water.
7. Using a commercial sprayer, saturate all surfaces with the solution maintaining visible wetness for a period of at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
8. After treatment, ventilate buildings, coops or other enclosed spaces before reentering.

AS A DISINFECTING SOAK:

6. With soap or detergent, thoroughly clean halters, ropes or other types of equipment used in handling and restraining animals and forks, shovels and scrapers used in removing litter and manure. Rinse with water.
7. Fill container or vat with 100 ppm solution, and immerse items for a period of at least ten (10) minutes.
8. Discard solution in sanitary drain or as ordinary non-hazardous waste. Do not reuse solution.
9. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
10. Dispose of pouch according to instructions on pouch label.

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SELECTIVE MICRO TECHNOLOGIES, LLC

SELECTIVE MICRO[®]CLEAN-ALPHA
EPA REG. NO. 74986-4

NOTIFICATION OF
REVISION OF USE DIRECTIONS
IN TECHNICAL BULLETIN

ATTACHMENT 2: COPIES OF PAGES 5 AND 9 OF THE
REGISTERED TECHNICAL BULLETIN AFFECTED BY
THESE TWO NOTIFICATION ACTIONS, WITH AREAS OF
INTEREST HIGHLIGHTED

B. To disinfect equipment tops, bench tops, biological hoods, incubators, stainless steel equipment and instruments:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Clean all surfaces thoroughly with a suitable detergent and rinse with water prior to disinfection.
3. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* pouch with a 1:5 dilution device (one part activated solution to four parts water).
4. Spray, mop or sponge the 100 ppm solution onto surfaces to be disinfected. All surfaces must remain visibly wet for at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
5. After disinfecting, allow surfaces or equipment to air dry. Do not reuse solution. Do not rinse disinfected surfaces.
6. Dispose of pouch according to instructions on pouch label.

C. To disinfect commercial animal confinement facilities such as poultry houses, swine pens, calf barns and kennels:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Remove all animals and feed from facility to be disinfected.
3. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other structures occupied or traversed by animals.
4. Empty all troughs, racks and other feeding and watering appliances.
5. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* pouch with a 1:5 dilution device (one part activated solution to four parts water).

FOR GENERAL APPLICATION WITH SPRAYER:

6. With soap or detergent, thoroughly clean all surfaces and rinse with water.
7. Using a commercial sprayer, saturate all surfaces with the solution maintaining visible wetness for a period of at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
8. After treatment, ventilate buildings, coops or other enclosed spaces before reentering. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.

AS A DISINFECTING SOAK:

6. With soap or detergent, thoroughly clean halters, ropes or other types of equipment used in handling and restraining animals and forks, shovels and scrapers used in removing litter and manure. Rinse with water.
 7. Fill container or vat with 100 ppm solution, and immerse items for a period of at least ten (10) minutes.
 8. Discard solution in sanitary drain or as ordinary non-hazardous waste. Do not reuse solution.
9. Dispose of pouch according to instructions on pouch label.

DISINFECTANT FOR BEVERAGE AND WATER SYSTEMS AND LINES

To disinfect lines, holding tanks and other equipment used in fountain drink or other beverage preparation, storage, transfer and dispensing operations or to disinfect the lines

Selective Micro Technologies believes the information contained on this Instruction Bulletin is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules of insurance requirements.

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At end of workday, dry and oil tools.

B. To sanitize work area non-porous (non-food contact) hard surfaces, hard-surface benches, pots, flats, flower buckets and cutting tools:

1. Activate *Selective Micro® Clean-Alpha* according to "Directions for Use" on pouch label.
2. Pre-clean all surfaces prior to application of sanitizing solution. Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt.
3. Prepare a 20 ppm solution in accordance with the instructions above OR use the undiluted contents of the activated *Selective Micro® Clean-Alpha* solution with a 1:25 dilution device (one part activated solution to 24 parts water).
4. Brush or wash used pots and flats then swab or soak in the 20 ppm solution for at least five (5) minutes before reuse to help control transfer of diseases. Spray, swab or soak tools with 20 ppm solution for at least five (5) minutes to help control the transfer of disease. Spray or swab work area and bench surfaces before each work period and again after each planting is completed to help control the transfer of diseases. If applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide. If soaking, discard solution in sanitary drain or as ordinary non-hazardous waste; do not reuse solution.
5. Dispose of pouch according to instructions on pouch label.

At end of workday, dry and oil tools

C. As a dip to control and suppress bacteria, algae (such as *Botrydiopsis alpin* and *Phormidium boneri*) and fungi (such as *Penicillium digitatum*, *Botrytis sp.*, and *Fusarium solani*) on rooted and unrooted cuttings and cut flowers:

1. Activate *Selective Micro® Clean-Alpha* according to "Directions for Use" on pouch label.
2. Prepare a 5 ppm solution in accordance with the instructions above OR use the undiluted contents of the activated *Selective Micro® Clean-Alpha* solution with a 1:100 dilution device (one part activated solution to 99 parts water).
3. Briefly dip cuttings or cut flowers and ensure they remain visibly wet with solution for at least one minute.
4. Dispose of pouch according to instructions on pouch label.

D. As a dip or drench to control and suppress bacteria, algae (*Phormidium boneri*) and fungi (*Penicillium digitatum*, *Botrytis sp.*, *Fusarium solani*, *Pythium aphanidermatum*, *Pythium irregulare*, *Fusarium oxysporum f. sp. Basilicum (Fob)*) in seed-bed soil and planting cubes:

1. Activate *Selective Micro® Clean-Alpha* according to "Directions for Use" on the pouch label.
2. Prepare a 5 ppm solution in accordance with the instructions above OR use the undiluted contents of the activated *Selective Micro® Clean-Alpha* solution with a 1:100 dilution device (one part activated solution to 99 parts water).
3. Immerse or drench seed-bed soil or planting cubes and allow to remain visibly wet with solution for ten (10) minutes.
4. Dispose of pouch according to instructions on pouch label.

Soil or planting cubes can be seeded or planted immediately after treatment.

E. For removing slime and retarding its reemergence; for antimicrobial applications involving algae (*Phormidium boneri*) and fungi (*Penicillium digitatum*, *Botrytis sp.*, *Fusarium solani*, *Pythium aphanidermatum*, *Pythium irregulare*, *Fusarium oxysporum f.*

Selective Micro Technologies believes the information contained on this Instruction Bulletin is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules of insurance requirements.

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SELECTIVE MICRO TECHNOLOGIES, LLC

SELECTIVE MICRO[®]CLEAN-ALPHA
EPA REG. NO. 74986-4

NOTIFICATION OF
REVISION OF USE DIRECTIONS
IN TECHNICAL BULLETIN

ATTACHMENT 3: THREE COPIES OF
PAGES 5 AND 9 OF THE TECHNICAL BULLETIN
WITH CHANGES INCORPORATED

B. To disinfect equipment tops, bench tops, biological hoods, incubators, stainless steel equipment and instruments:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Clean all surfaces thoroughly with a suitable detergent and rinse with water prior to disinfection.
3. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* pouch with a 1:5 dilution device (one part activated solution to four parts water).
4. Spray, mop or sponge the 100 ppm solution onto surfaces to be disinfected. All surfaces must remain visibly wet for at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
5. After disinfecting, allow surfaces or equipment to air dry. Do not reuse solution. Do not rinse disinfected surfaces.
6. Dispose of pouch according to instructions on pouch label.

C. To disinfect commercial animal confinement facilities such as poultry houses, swine pens, calf barns and kennels:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Remove all animals and feed from facility to be disinfected.
3. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other structures occupied or traversed by animals.
4. Empty all troughs, racks and other feeding and watering appliances.
5. Prepare a 100 ppm solution in accordance with instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* pouch with a 1:5 dilution device (one part activated solution to four parts water).

FOR GENERAL APPLICATION WITH SPRAYER:

6. With soap or detergent, thoroughly clean all surfaces and rinse with water.
7. Using a commercial sprayer, saturate all surfaces with the solution maintaining visible wetness for a period of at least ten (10) minutes. When applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide.
8. After treatment, ventilate buildings, coops or other enclosed spaces before reentering. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.

AS A DISINFECTING SOAK:

6. With soap or detergent, thoroughly clean halters, ropes or other types of equipment used in handling and restraining animals and forks, shovels and scrapers used in removing litter and manure. Rinse with water.
7. Fill container or vat with 100 ppm solution, and immerse items for a period of at least ten (10) minutes.
8. Discard solution in sanitary drain or as ordinary non-hazardous waste. Do not reuse solution.
9. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
10. Dispose of pouch according to instructions on pouch label.

DISINFECTANT FOR BEVERAGE AND WATER SYSTEMS AND LINES

Selective Micro Technologies believes the information contained on this Instruction Bulletin is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules of insurance requirements.

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5. Brush or wash used pots and flats and then soak in the 50 ppm solution for at least twenty (20) minutes before reuse to help control transfer of diseases. Soak tools with 50 ppm solution for at least twenty (20) minutes to help control the transfer of disease.
6. Discard solution in sanitary drain or as ordinary non-hazardous waste. Do not reuse solution.

At end of workday, dry and oil tools.

B. To sanitize work area non-porous (non-food contact) hard surfaces, hard-surface benches, pots, flats, flower buckets and cutting tools:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Pre-clean all surfaces prior to application of sanitizing solution. Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt.
3. Prepare a 20 ppm solution in accordance with the instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* solution with a 1:25 dilution device (one part activated solution to 24 parts water).
4. Brush or wash used pots and flats then swab or soak in the 20 ppm solution for at least five (5) minutes before reuse to help control transfer of diseases. Spray, swab or soak tools with 20 ppm solution for at least five (5) minutes to help control the transfer of disease. Spray or swab work area and bench surfaces before each work period and again after each planting is completed to help control the transfer of diseases. If applying these solutions using a high-pressure sprayer, wear a NIOSH/MSHA-approved respirator appropriate for chlorine dioxide. If soaking, discard solution in sanitary drain or as ordinary non-hazardous waste; do not reuse solution.
5. Dispose of pouch according to instructions on pouch label.

At end of workday, dry and oil tools

C. As a dip to control and suppress bacteria, algae (such as *Phormidium boneri*) and fungi (such as *Penicillium digitatum*, *Botrytis sp.*, and *Fusarium solani*) on rooted and unrooted cuttings and cut flowers:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on pouch label.
2. Prepare a 5 ppm solution in accordance with the instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* solution with a 1:100 dilution device (one part activated solution to 99 parts water).
3. Briefly dip cuttings or cut flowers and ensure they remain visibly wet with solution for at least one minute.
4. Dispose of pouch according to instructions on pouch label.

D. As a dip or drench to control and suppress bacteria, algae (*Phormidium boneri*) and fungi (*Penicillium digitatum*, *Botrytis sp.*, *Fusarium solani*, *Pythium aphanidermatum*, *Pythium irregulare*, *Fusarium oxysporum f. sp. Basilicum (Fob)*) in seed-bed soil and planting cubes:

1. Activate *Selective Micro®Clean-Alpha* according to "Directions for Use" on the pouch label.
2. Prepare a 5 ppm solution in accordance with the instructions above **OR** use the undiluted contents of the activated *Selective Micro®Clean-Alpha* solution with a 1:100 dilution device (one part activated solution to 99 parts water).
3. Immerse or drench seed-bed soil or planting cubes and allow to remain visibly wet with solution for ten (10) minutes.
4. Dispose of pouch according to instructions on pouch label.

Soil or planting cubes can be seeded or planted immediately after treatment.

Selective Micro Technologies believes the information contained on this Instruction Bulletin is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules of insurance requirements.

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