

9150-11

11-25-2009

1/16

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



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Thomas C. McEntee  
Product Registration Manager  
International Dioxide Inc.  
40 Whitecap Drive  
North Kingstown, RI 02852

NOV 25 2009

Subject: Cryocide 20  
EPA Registration No. 9150-11  
Application Date: October 30, 2009  
Receipt Date: November 02, 2009

**FILE COPY**

Dear Mr. McEntee:

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

**Proposed Notification:**

- Addition of H1N1 label claims per EPA guidance

**General Comments:**

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

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 Y. Henson  
Acting Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)



United States Environmental Protection Agency Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 9150-11	2. EPA Product Manager Mitchell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Cryocide(r) 20	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) International Dioxide Inc. 40 Whitecap Drive North Kingstown, RI <input checked="" 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. _____ 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 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.)

Notification of claims for activity against Pandemic 2009 H1N1 Influenza A Virus per EPA policy October 22, 2009. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulation at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for the product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-19 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 type="checkbox"/> Yes <input checked="" 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	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 gallon, 5 gallon		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input 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		Title		Telephone No. (include Area Code)	
		Product Registration Manager		978 312 1160	
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 		3. Title Product Registration Manager			
4. Typed Name Thomas C. McEntee		5. Date October 30, 2009			

32

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16



International Dioxide, Inc.  
40 Whitecap Drive  
North Kingstown, RI 02852  
401-295-8800 Tel 401-295-7108 Fax

October 30, 2009

Ms. Emily Mitchell (NOTIF)  
US EPA/Antimicrobials Division (7504P)  
One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202

Dear Ms. Mitchell:

Subject: Cryocide® 20  
EPA Registration Number 9150-11

This letter and its attachments are being submitted in accordance with EPA policy regarding addition of label claims against Pandemic 2009 H1N1 influenza A virus for product which are already registered for activity against Influenza A according to the EPA policy posted October 22, 2009.

The attached label also incorporates the revisions required by your August 13, 2009 Accepted with Comments letter.

Please refer to the attached:

- Application for Pesticide 8570-1 Notification
- One copy of labeling indicating changes
- One labeling print 009150-00011.20091030.Cryocid20.H1N1
- One CD 009150-00011.20091030.Cryocide20\_Master.H1N1\_Notif.pdf

Should you have any question, please feel free to call or e-mail.

Sincerely,

Thomas C. McEntee  
Product Registration Manager  
(978) 312 1136  
Thomas.C.McEntee@usa.dupont.com

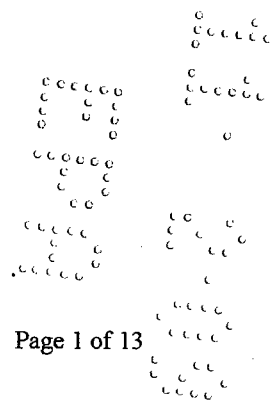
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[0001] – MASTER LABEL  
**CRYOCIDE® 20**

[0002]

- BACTERICIDAL – [OPT.]
- FUNGICIDAL (PATHOGENIC) – [OPT.]
- PSEUDOMONICIDAL – [OPT.]
- VIRUCIDAL – [OPT.]
- TUBERCULOCIDAL – [OPT.]
- ODOR COUNTERACTANT – [OPT.]
- HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)(AIDS VIRUS) – [OPT.]
- HERPES SIMPLEX VIRUS TYPE 1 AND 2 – [OPT.]
- INFLUENZA A2 (HONG KONG-68) VIRUS ON INANIMATE ENVIRONMENTAL SURFACES – [OPT.]
- KILLS PANDEMIC 2009 H1N1 INFLUENZA A VIRUS (FORMERLY CALLED SWINE FLU) – [OPT.]
- CONTROLS MOLD & MILDEW – [OPT.]
- KILLS MOLD – [OPT.]
- PRE-PAINT TREATMENT AND DISINFECTANT SPRAY – [OPT.]
- CONTROLS MOLD & MILDEW GROWTH – [OPT.]
- FRESH SCENT – [OPT.]
- USE AROUND BATH AND SHOWER STALL TO KILL BACTERIA AND FUNGI – [OPT.]
- TREAT THEN PAINT – [OPT.]
- CLEAN THEN PAINT – [OPT.]
- DISINFECT THEN PAINT – [OPT.]
- PRE-PAINT CLEANER AND DISINFECTANT – [OPT.]
- PRE-PAINT FUNGICIDE AND DISINFECTANT – [OPT.]
- FUNGICIDE AND DISINFECTANT – [OPT.]
- FUNGICIDE, DISINFECTANT AND DEODORIZER – [OPT.]
- INHIBITS MOLD & MILDEW GROWTH PRIOR TO PAINTING – [OPT.]
- PRE-PAINT CLEANER, DISINFECTANT AND DEODORIZER – [OPT.]
- CLEANS, DISINFECTS AND DEODORIZES – [OPT.]
- PRE-PAINT FUNGICIDE, DISINFECTANT AND DEODORIZER – [OPT.]
- KILLS BACTERIA AND FUNGI IN BATHROOMS – [OPT.]
- KILLS BACTERIA, FUNGI AND ODORS IN BATHROOMS – [OPT.]
- KILLS BACTERIA IN BATHROOMS – [OPT.]
- KILLS BACTERIA AND ODORS IN BATHROOMS – [OPT.]
- KILLS STAPHYLOCOCCUS AUREUS (STAPH) – [OPT.]
- KILLS SALMONELLA ENTERICA (SALMONELLA) – [OPT.]
- KILLS TRICHOPHYTON MENTAGROPHYTES – [OPT.]
- KILLS ASPERGILLUS NIGER – [OPT.]
- CONTROLS & PREVENTS MOLD AND MILDEW GROWTH – [OPT.]
- MILDEWSTAT – [OPT.]
- ELIMINATES ODORS – [OPT.]
- KILLS BACTERIA AND ELIMINATES ODORS – [OPT.]
- KILLS STAPH AND SALMONELLA – [OPT.]
- ODOR ELIMINATOR – [OPT.]
- ELIMINATES ODORS – [OPT.]

**NOTIFICATION**  
 Date Reviewed: 11/25/09  
 Reviewed By: W. Tension



- ECONOMICAL ONE STEP DISINFECTANT – [OPT.]
- KILLS STAPH – [OPT.]
- BROAD SPECTRUM DISINFECTANT – [OPT.]
- CONTROLS MOLD & MILDEW – [OPT.]

[0003]

**CRYOCIDE® 20**

**ACTIVE INGREDIENTS:**

Chlorine Dioxide: 0.72%  
 Didecyl Dimethyl Ammonium Chloride: 0.40%

**OTHER INGREDIENTS:** 98.88%

**TOTAL:** 100.00%

[0004]

**KEEP OUT OF REACH OF CHILDREN**

[0005]

**WARNING**

[0006]

**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 inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If 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.

For 24 hour emergency information on this product, call the National Pesticides Information Center: 1-800-858-7378 (6:30 AM to 4:40 PM Pacific Time (PT)), seven days a week. During other times call the Poison Control Center: 1-800-222-1222.

For transportation emergencies, call Chemtrec at 1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands) 1-703-527-3887 (All Other Areas)..

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.

[0007]  
See additional precautionary statements on side panels.

[0008]  
EPA Reg. No. 9150-11

[0009]  
EPA Est. No. XXXXXX-Y

[0010]  
NET WT. \_\_\_\_\_ LBS.

[0011]  
Manufactured For:  
INTERNATIONAL DIOXCIDE INC.  
40 Whitecap Drive  
North Kingstown, RI 02852



[0012]  
CRYOCIDE® 20 is a registered trademark of International Dioxide Inc., a DuPont Company

[0013]  
© 2005-2009. E.I. du Pont de Nemours and Company. All rights reserved.

[0014]  
† *Not approved for use in California*

[0015]  
**PRECAUTIONARY STATEMENTS:** Hazards to Human & Domestic Animals

[0016]  
**WARNING:** Causes substantial, but temporary eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks and resistant footwear and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing before reuse.  
  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals  
[OPT.]

[0017]

**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 public 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 the EPA.

[0018]

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. *If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.*

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**NON-REFILLABLE CONTAINER:** Nonrefillable container. Do not reuse or refill this container.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) promptly after emptying, then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[0019] – [OPT.]

CRYOCIDE® 20 is a disinfectant, fungicide, virucide, bactericide, mildewcide and mildewstat. It also provides exceptional cleaning and deodorizing. CRYOCIDE® 20 provides broad-spectrum efficiency and economy for commercial, institutional, industrial and agricultural disinfection.

[0020] – [OPT.]

CRYOCIDE® 20 ability to OXIDIZE MALODORS offers a definite plus to its disinfecting activity.

[0021] – [OPT.]

CRYOCIDE® 20 has been designed for use in hospitals, medical and dental offices, nursing homes, industrial and institutional facilities, animal rearing and confinement facilities, animal research facilities and laboratories, meat-packing plants, fish processing plants, dairies, industrial processing plants, poultry hatcheries, agricultural storage facilities (including containers, trailers, rail cars and vessels) and animal transport vehicles and equipment.

[0022] – [OPT.]

CRYOCIDE® 20 can also be used in nurseries, greenhouses, landscapes and interiorscapes.

[0023] – [OPT.]

CRYOCIDE® 20 is for use on hard, non-porous surfaces such as appliances, basins, bathroom fixtures, bathtubs, cabinets, cages, chairs, countertops, examining tables, floors, sinks, tables, toilets, urinals, and walls and other hard, non-porous surfaces made of fiberglass, formica, glass, ceramics, metal, plastic and steel.

[0024]

**Directions for Use**

[0025]

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

[0026]

Disinfection: *Use undiluted (neat)*

[0027] – [OPT.]

Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. Cryocide® 20 is a broad spectrum hard surface disinfectant that has been shown to be effective against influenza A2 (Hong Kong-68) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

[0028] – [OPT.]

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

[0029] – [OPT.]

This product has demonstrated effectiveness against influenza A2 (Hong Kong-68) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

[0030] – [OPT.]

Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

[0031] – [OPT.]

Kills Pandemic 2009 H1N1 influenza A virus.

[0032] – [OPT.]

Virucidal (against HIV-1, Herpes Simples and Influenza): *Use undiluted (neat)*



[0033] – [OPT.]

Preparation of Acid-Activated Use-Solution

Virucidal (against animal viruses\*): Put 1 part of CRYOCIDE® 20 into a clean pail and add 4 parts of a 10% acid activator solution. The acid activator can be either citric, phosphoric, hydrochloric, glycolic or an equivalent acid. Allow the acid activated CRYOCIDE® 20 solution to react in the dark for 15-30 minutes. Then dilute the activated solution with 5 parts water (total 1 part CRYOCIDE® 20 to 9 parts diluent). Prepare in a well-ventilated area.

\*Acid-Activated Use-Diluted Solution is effective against the following viruses:

- Canine parvovirus, ATCC VR-2017 (10 minutes)
- Rat coronavirus, RCV-SDA-681 (10 minutes)
- Minute Virus of mice , MVM-p (10 minutes)
- Mouse hepatitis virus, MHV-A59 (10 minutes)

[0034] – [OPT.]

Tuberculocidal (against Mycobacterium bovis, BCG): Put undiluted CRYOCIDE® 20 into a clean pail and add four parts of a 10% acid activator solution. The acid activator can be either citric, phosphoric, hydrochloric, glycolic or an equivalent acid. Allow the acid activated CRYOCIDE® 20 solution to react in the dark for 60 minutes. Then dilute the activated solution with 5 parts water (total 1 part CRYOCIDE® 20 to 9 parts diluent). Prepare in a well ventilated area.

[0035]

Preparation of Use-Dilution (Non-Activated)

For controlling mold and mildews: Dilute 1 part CRYOCIDE® 20 into a clean pail and add 3 parts water to make up your working solution.

For killing mold and mildews: Dilute 1 part CRYOCIDE® 20 into a clean pail and add 3 parts water to make up your working solution.

[0036]

Application Instructions

Hospitals, Medical and Dental Offices, Nursing Homes

Apply undiluted CRYOCIDE® 20 to hard, non-porous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge or sprayer, or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled surfaces, pre-cleaning is recommended. Rinse all surfaces that come in contact with foods such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

[0037]

For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray.

[0038]

This product is not to be used as a terminal sterilant/high-level disinfectant on any surfaces 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 sterilizations or high-level disinfection.

[0039]

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATING AGAINST HIV OR SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS** that involve healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects soiled with blood or body fluids can be associated with the transmission of HIV-1. CRYOCIDE® 20 destroys HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood or other body fluids in 30 seconds contact.

[0040]

**Personal Protection:** The worker should wear disposable latex gloves or rubber gloves, gown, mask and eye protection to prevent contamination from soiled items. **Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of CRYOCIDE® 20. **Contact Time:** Allowed CRYOCIDE® 20 to contact treated items for 30 seconds. This time will not control other common types of viruses and bacteria. **Disposal of Infectious Material:** Any blood or other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

[0041] – [OPT.]

Animal Transport Vehicles and equipment  
Use CRYOCIDE® 20 to control animal pathogens on vehicles and equipment that are used to transport live animals (poultry, swine, beef). Prior to application of CRYOCIDE® 20, remove all animals from the vehicle. Clean the vehicle with water to remove debris and dirt. Then apply one quart of CRYOCIDE® 20 through a foaming wand, at a maximum dilution rate of 1:320, with dilution water to the interior and exterior of the vehicle, transport cages, crates and other related equipment. Allow at least 10 minutes of contact time. Allow to air dry.

[0042] – [OPT.]

Poultry Houses and Animal (poultry, beef, swine) Confinement / Research / Laboratory Facilities

Use CRYOCIDE® 20 to treat incubators, floors, walls, ceilings, stainless steel cold rooms, bench tops, hoods, cages, and equipment. For disinfection, use undiluted CRYOCIDE® 20 and apply as indicated above. Allow at least 10 minutes of contact time. For controlling animal viruses and tuberculosis bacteria, use a 1:10 solution of activated CRYOCIDE® 20 as described above.

\*Acid-Activated Use-Diluted Solution is effective against the following viruses:

- Canine parvovirus, ATCC VR-2017 (10 minutes)
- Rat coronavirus, RCV-SDA-681 (10 minutes)
- Minute Virus of mice , MVM-p (10 minutes)
- Mouse hepatitis virus, MHV-A59 (10 minutes)

Prior to treatment, remove all animal and feed from premises, animal transport vehicles, enclosures, coops and crates. Remove all bedding, litter, droppings and manure from floors, walls, and surfaces of facilities occupied and traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Do not house animals or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waters, and other equipment which dispenses food or water with soap or detergent and rinse with potable water before reuse

[0043] – [OPT.]

†Shoe Bath

To prevent tracking of animal pathogens into animal areas, shoe baths containing one inch of freshly made solution (1-2 ounces of CRYOCIDE® 20 per gallon of water) should be placed at all entrances to buildings. Scrape waterproof work boots and then place in the shoe bath for at least 60 seconds. Change the shoe bath solution daily or when solution appears soiled.

[0044] – [OPT.]

Agricultural Storage Facilities (Containers, Trailers, Rail Cars and Vessels)

Use CRYOCIDE® 20 to control spoilage microorganisms in agricultural storage facilities and containers, trailers, rail cars and vessels. Prior to application of CRYOCIDE® 20, sweep and wash vehicle with water to remove debris and dirt. Then apply one quart of CRYOCIDE® 20 through a foaming wand, at a maximum dilution rate of 1:320, with dilution water. Foam the diluted product on the interior and exterior of the trailer, rail car or vessel. Allow at least a 10 minute contact time. A potable water rinse is required for any food-contact surface that is treated

[0045]

**MOLD AND MILDEW CONTROL (For Hospitals, Institutions, and Home)**

CRYOCIDE® 20 controls mold and mildew on hard non-porous surfaces. CRYOCIDE® 20 works rapidly and thoroughly so it is an ideal product for controlling molds in a single treatment. The efficacy and fast mode of action makes CRYOCIDE® 20 the perfect product for effective single operation mold and mildew control.

[0046]

**To Treat Surfaces Contaminated With Mold & Mildew**

1. Remove all heavy build-up of growth filth and loose debris from areas to be treated.
2. Mix 1 part of the concentrate CRYOCIDE® 20 with 3 parts water.
3. Apply the product onto the surface with a commercial low-pressure sprayer 6 – 8 inches from the surface or utilizing a wet mop, sponge, wipe or other suitable applying device.

Note: Where mist or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. In the absence of proper environmental controls, a NIOSH/MSHA jointly approved respirator is advised

4. Make sure the treated area is thoroughly wet for at least 10 minutes and allow to air dry
5. Repeat every 7 days or more frequently if growth reoccurs.

[0047]

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling, and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

[0048]

**Personal Protective Equipment (PPE):**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: long-sleeved shirt, long pants, and shoes with socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

[0049]

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agriculture pesticides (40 CFR part 170). The WPS applies when this product is used on farms, forests, nurseries, or greenhouses.

Keep children and pets out of treated areas until sprays have dried.

[0050]

**PERSONAL PROTECTIVE EQUIPEMENT (PPE):**

Long-sleeved shirt, long pants and shoes with socks

[0051] – [OPT.]

**†Horticulture Uses**

CRYOCIDE® 20 is a general antimicrobial and algicide that has been designed for non-foliar use in the Nursery, Greenhouse, Landscape & Interiorscape areas of ornamental horticulture. It will control a variety of fungal, bacterial and viral plant pathogens, bacterial and fungal leaf rots, slime forming fungi, odor causing bacteria and algae. CRYOCIDE® 20 may be used as part of an overall program of microbe and algae control on a variety of surfaces and in water management equipment and devices.

[0052] – [OPT.]

**†Work Area and Benches:**

CRYOCIDE® 20 has been designed to control cross-contamination that may occur between plants or production surfaces. Apply CRYOCIDE® 20 routinely before each work period and again after each plant cycle is completed. Remove all debris and litter from surfaces prior to application of CRYOCIDE® 20. Then mix 9 fl. oz. of CRYOCIDE® 20 per gallon of water and apply the use-solution to hard surfaces and watering devices by thoroughly wetting surfaces with cloth, mop, sponge or sprayer. Do not apply directly to plant material. Treated surfaces must remain wet for 10 minutes. Allow to air dry. For sprayer applications, use a coarse sprayer. CRYOCIDE® 20 is effective in reducing the transfer of fungal and bacterial pathogens that cause plant diseases such as root rots, crown rots, botrytis, and downy mildews.

[0053] – [OPT.]

**†Pots and Flats:**

Apply CRYOCIDE® 20 to used planting devices such as pots and flats. Prior to application, remove all loose soil and plant residue. Then soak the pots and flats in a solution containing 18 fl. oz. of CRYOCIDE® 20 per gallon of water for 10-15 minutes. Remove from solution and allow to air dry before use.

[0054] – [OPT.]

†Cutting Tools:

Use CRYOCIDE® 20 to control plant pathogens on cutting tools. Soak or dip cutting tools in a use-solution of 9 fl. oz. of CRYOCIDE® 20 per gallon of water. Allow cutting tools to remain wet for best results. At end of work period, dry and oil tools, or follow other specific instructions provided by tool manufacturer.

[0055] – [OPT.]

†Recirculating Water Systems:

Add CRYOCIDE® 20 at a concentration of 2-5 ppm (4-9 fl. oz. per 100 gallons) for the control and prevention of water borne fungal and bacterial pathogens. Repeat application weekly for best results.

[0056] – [OPT.]

†Bulb Dip:

Prepare a solution using 9-18 fl oz of CRYOCIDE® 20 per 1 gallon of water. Soak cleaned bulbs for approximately 10 minutes, remove and allow to drip dry before storage. Treatment acts as a surface disinfectant for a variety of fungal and bacterial pathogens but will not control systemic pathogen events.

[0057] – [OPT.]

†Greenhouse Glass:

Mix 4-9 fl oz of CRYOCIDE® 20 per 1 gallon of water and apply as a wet down spray to glass surfaces. Use with proper ventilation and allow application to dry. After 24 hours, wash off dead algae with water for improved light penetration. Reapply as needed. Avoid overspray, do not apply directly to plant material.

[0058] – [OPT.]

†Walkways and Under Bench Areas:

Mix 4-9 fl oz CRYOCIDE® 20 per 1 gallon of water and apply as a wet down spray to floor and under bench surfaces. For best results, do not rinse. Use with proper ventilation and allow application to dry. Reapply as needed. Avoid overspray; do not apply directly to plant material. Floor grown plants/flats may be returned after surface has dried. May be used in conjunction with other management techniques for the control of fungus gnats and shore fly larvae.

[0059] – [OPT.]

†Evaporative Coolers:

Add 4-9 fl oz of CRYOCIDE® 20 for each 10 gallons of water volume contained in the system and allow to circulate throughout cooling pads and catch basins. For best results, repeat addition as needed or on a routine schedule every 14 days.

[0060] – [OPT.]

†Retention Basins and Ponds:

CRYOCIDE® 20 can be used for the control of algae in irrigation water recapture systems and retention ponds. Add CRYOCIDE® 20 at a concentration of 2-5 ppm (4-9 fl oz per 100 gallons) for the control and prevention of water borne fungal and bacterial pathogens. Repeat application weekly for best results. Do not use where fish are present.

[0061] – [OPT.]

†Decorative Pools, Fountains, and Water Displays:

For initial dosage when algae are present, apply 9-18 fl oz of CRYOCIDE® 20 per 100 gallons of water volume to achieve a 5-10 ppm solution. For maintenance, add no more than ½ the initial dosage as need or on a routine schedule every 14 days. Do not use when fish are present. When unit is to remain empty or not in use for extended period, apply a wet down spray to the hard surface of the unit at a rate of ½ fl oz per gallon.

[0062] – [OPT.]

Sewer backup & river flooding:

During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. Saturate all affective areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.

[0063] – [OPT.]

Carpets, Carpet cushions and other porous materials;

such as sub floors, drywall, trim and frame lumber, tackless strip and paneling: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

[0064] – [OPT.]

Special Instructions for Cleaning Carpet Odor:

This product may be used in industrial and institutional areas such as homes, motels & hotel chains, nursing homes, schools and hospitals. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

[0065] – [OPT.]

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

[0066] – [OPT.]

**Carpet Deodorizer:** For Home, Institutional, Industrial and Hospital Use

This product cleans and deodorizes the carpet. It can be used in industrial and institutional areas such as homes, motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Follow the injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, spray on carpet at a rate of 300-500 sq.ft. per gallon.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product should not be mixed with other cleaning products.

[0067] – [OPT.]

**Water / Smoke Damage Restoration [Cleaning and De-Odorizing Only]:**

Effective against odor for home, institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration situations against odor on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim frame lumber, tackless strip and paneling. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.