



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

August 2, 2012

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

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

Subject Notification per PR Notice 98 10  
Product Name "**Cryocide® 20**"  
EPA Registration Number **9150 11**  
Application Date June 8 2012  
Application Receipt July 25 2012

Dear Mr McEntee

This acknowledges receipt of your Notification application submitted under the provision of PR Notice 98 10 FIFRA 3 (c) 9

Proposed Notification

International Dioxide Inc is initiating the following Minor Label Changes to **EPA Reg No 9150 11**

On Page Two

Add Optional Marketing Claims 1 ) For interior Use 2 ) Makes Four Gallons 3 ) Makes 4 Gallons 4 ) One Gallon Makes 4 Gallons 5 ) Kills Viruses\* Mold Bacteria Staph\*\*\*

- Human Immunodeficiency Virus Type ( HIV 1 ) ( AIDS Virus )
- Herpes Simplex Virus Type 1 And 2
- Influenza A2 ( Hong Kong 68 ) Virus
- Pandemic 2009 H1N1 Influenza A Virus (formerly called Swine Flu )
- Salmonella Enterica
- Staphylococcus Aureus

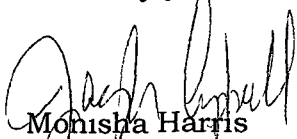
General Comments

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

The Notification application is **acceptable** A copy of the **accepted** Notification has been placed in your file ( **EPA Reg No 9150 11** ) for future reference

If you have any questions or comments concerning this Agency Letter please contact Killian Swift via email at **swift.killian@epa.gov** or by telephone at **703 308 6346** during the hours of 5 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



Monisha Harris  
Product Manager 32  
Regulatory Management Branch 2  
Antimicrobials Division ( 7510P )



4/19



International Dioxide Inc  
554 Ten Rod Road  
North Kingstown RI 02852  
401 295 8800 Tel  
401 295 7108 Fax

June 8 2012

Document Processing Desk  
Ms Monisha Harris (7504P)  
US Environmental Protection Agency  
Office of Pesticide Programs  
One Potomac Yard  
2777 South Crystal Drive  
Arlington VA 22202

Reference Cryocide® 20 EPA Registration No 9150 11  
Notification PR Notice 98 10 II N 2 and 3 Additional Marketing Claims

Dear Ms Harris

Please consider this letter and attachments as a notification und PR Notice 98 10 II N 2 and 3  
Other Revisions Specifically marketing claims have been added along with clarification of  
abbreviated pathogenic microorganism names An index of changes is found on page 15 of the  
attached paper copy with highlights

Should you have any questions please feel free to call

Thank you for your attention to our application

Sincerely

Thomas C McEntee  
Product Registration Manager  
Thomas C McEntee@usa.dupont.com  
DuPont and Company  
P O Box 402  
Wilmington DE 19880 0402

[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 MOD & 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: 8/2/12  
 Reviewed By: *[Signature]*

6/19

- ECONOMICAL ONE STEP DISINFECTANT – [OPT ]
- KILLS STAPH\*\*\* – [OPT ]
- BROAD SPECTRUM DISINFECTANT – [OPT ]
- CONTROLS MOLD & MILDEW – [OPT ]
- FOR INTERIOR USE – [OPT ]
- MAKES FOUR GALLONS – [OPT ]
- MAKES 4 GALLONS – [OPT ]
- ONE GALLON MAKES 4 GALLONS – [OPT ]
- KILLS VIRUSES\* MOLD BACTERIA STAPH\*\*\* AND SALMONELLA\*\*
- \*HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV 1)(AIDS VIRUS)
- \*HERPES SIMPLEX VIRUS TYPE 1 AND 2
- \*INFLUENZA A2 (HONG KONG-68) VIRUS
- \*PANDEMIC 2009 H1N1 INFLUENZA A VIRUS (FORMERLY CALLED SWINE FLU)
- \*\*SALMONELLA ENTERICA
- \*\*\*STAPHYLOCOCCUS AUREUS

[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

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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]  
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[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)

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[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 applicator 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 wed 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 needed 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 affected 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

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

[0068] – [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

[0069] – [OPT ]

Smoke Damage Restoration

Effective against odor for home institutional industrial and hospital use This product is particularly suitable for use in smoke damage restoration situations against odor on the following porous and semi porous materials carpets carpet cushion sub floors drywall trim and frame lumber tackless strip and paneling Follow directions as outlined in the Water Damage Restoration section Using solutions recommended saturate affected materials with enough product to remain wet for at least 10 minutes Use proper ventilation

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- 5 Add Optional Marketing Claims KILLS VIRUSES\* MOLD BACTERIA STAPH\*\*\* AND SALMONELLA\*\* Page 2

Asterisk denoted text may appear on a different page on the commercial label

- \*HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV 1)(AIDS VIRUS)
- \*HERPES SIMPLEX VIRUS TYPE 1 AND 2
- \*INFLUENZA A2 (HONG KONG 68) VIRUS
- \*PANDEMIC 2009 H1N1 INFLUENZA A VIRUS (FORMERLY CALLED SWINE FLU)
- \*\*SALMONELLA ENTERICA
- \*\*\*STAPHYLOCOCCUS AUREUS