

9150-11

03/16/2009

1/14

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



Office of Pesticide Programs

MAR 16 2009

Thomas McEntee  
International Dioxide, Inc.  
A DuPont Company  
40 Whitecap Drive  
North Kingstown, RI 02852

**FILE COPY**

Subject: Cryocide 20  
EPA Registration No. 9150-11  
Application Date: December 15, 2008  
Receipt Date: December 19, 2008

Dear Mr. McEntee:

This amendment submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with conditions.

**Conditions:**

1. Move the name of the product closer to the Ingredient Statement.
2. Remove the "For Preventive Maintenance against Mold & Mildew" section, per previous letter dated November 13, 2008.
3. This product is classified as Acute Toxicity Category II for eyes and skin. Therefore, you must revise the routes of exposure for this products "First Aid Statement" as follows: If In Eyes, If On Skin Or Clothing, If Inhaled, and If Swallowed.
4. Revise the Hazards to Humans and Domestic Animals as follows:

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 shoes, resistant footwear, and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**Remove the statement – After product is diluted in accordance with the directions for use, safety glasses, goggles or face shield are not required.**

- 5. Revise the label to comply with the provisions of PR Notice 2007-4 (Pesticide Management and Disposal; Standards for Pesticide Containers and Containment).
- 6. The "Horticultural Uses" Section does not have dosage rates, contact time or method of application. Please provide appropriate use directions for this section.
- 7. Correct the typographical errors under Option 0062 and Option 0063. Change "Don" in both instances to "Do".

**General Comments**

Please note that the Agency has specific criteria for Remediation purposes, this product is not registered for Mold Remediation. The Water and Smoke Damage Restoration directions for use do not include remediation.

A stamped copy of the accepted labeling with conditions is enclosed. Submit one 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 call Wanda Henson at (703) 308-6345.

Sincerely,



Emily H. Mitchell  
Product Manager - Team 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

3/14

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

[0001] – MASTER LABEL

Cryocide® 20

MAR 16 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 9150-11

[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 TYPE 2\* [OPT.]
- INFLUENZA A2 (HONG KONG-68) VIRUS ON INANIMATE ENVIRONMENTAL SURFACES [OPT.]
- CONTROLS MOLD & MILDEW [OPT.]
- KILLS MOLD [OPT.]
- PRE-PAINT TREATMENT AND DISINFECTANT SPRAY [OPT]
- CONTROLS MOLD & MILDEW GROWTH [OPT]
- FRESH SCENT [OPT.]
- POWERFUL NON-BLEACH FORMULA [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)
- KILLS SALMONELLA ENTERICA (SALMONELLA)
- KILLS TRICHOPHYTON MENTAGROPHYTES
- KILLS ASPERGILLUS NIGER
- 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.]

4/14

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 9150-11

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

CRYOCIDE 20

[0003]

ACTIVE INGREDIENTS:

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

OTHER INGREDIENTS:

TOTAL:	98.88%
	100.00%

[0004]

KEEP OUT OF REACH OF CHILDREN

[0005]

WARNING

[0006]

**FIRST AID**

4<sup>th</sup> 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.

1<sup>st</sup> 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.

2<sup>nd</sup> 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.

3<sup>d</sup> 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.

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. Reg. No. XXXXX-Y

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

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

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
MAR 16 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 9150-11

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

[0013]  
© 2005-2008. E.I. du Pont de Nemours and Company. All rights reserved.

[0014]  
*\* Not approved for use on these organisms 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 (safety glasses, goggles or face shield) long-sleeved shirt and long pants, socks and resistant footwear and rubber gloves. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum using tobacco or bathroom. Remove contaminated clothing before reuse. ~~Do not use in areas where children or animals are present.~~

[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

6/14

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. **CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent), 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's 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, ceramic, metal, plastic and steel.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2000

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 9150-11

MAR 16 2000

[0024]  
**Directions for Use**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 9150-11

[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.]  
Virucidal (against HIV-1, Herpes Simplex and Influenza): *Use undiluted (neat)*

[0028] - {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 animal viruses:

Canine parvovirus (15 minutes contact time)  
Rat coronavirus (10 minutes contact time)  
Minute virus of mice (10 minutes contact time)  
Mouse hepatitis virus (10 minutes contact time)

[0029] - [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® to 9 parts diluent). Prepare in a well-ventilated area.

[0030]  
Preparation of Use-Dilution (Non-Activated)  
For controlling mold and mildews: Dilute 1 part of 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 of CRYOCIDE® 20 into a clean pail and add 3 parts water to make up your working solution.

8/14

[0031]

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, a 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.

[0032]

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.

[0033]

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

[0034]

**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.

[0035]

**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:** Allow 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.

[0036] - [OPT.]

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

~~CONFIDENTIAL~~  
with COMMENTS  
EPA Letter Dated:

MAR 16 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 9150-11



9/14

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. For controlling animal viruses and tuberculosis bacteria, use a 1:10 solution of activated CRYOCIDE® 20 as described above.

ACCEPTED  
with COMMENTS

Acid Activated Use Diluted Solution is effective against the following animal viruses: Dated:

- Canine parvovirus (15 minutes contact time)
- Rat coronavirus (10 minutes contact time)
- Minute virus of mice (10 minutes contact time)
- Mouse hepatitis virus (10 minutes contact time)

MAR 16 2009  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 919-

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.

[0037] - [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 undiluted CRYOCIDE® 20 through a foaming wand that delivers 4-6 gallons per minute (gpm) 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.

[0038] -[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.

[0039] -[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 that delivers 4-6 gallons per minute dilution

10/14

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.

[0040] - [OPT.]

MOLD AND MILDEW CONTROL (For Hospitals, Institutions, and Home)  
CRYOCIDE® 20 kills and 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.

[0041] - [OPT.]

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.

[0042] - [OPT.]

For Preventative Maintenance Against Mold & Mildew

~~1. The treated area should be pre-cleaned of growth filth and loose debris prior to treatment.~~

~~2. Mix 1 part of the concentrate Cryocide 20 with 3 parts water.~~

~~3. Apply the product onto the application point with a commercial low-pressure sprayer, 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. If necessary, agitate the applied areas with a hard bristle brush or scrubbing machine or remove excess liquid with a clean cloth, mop or sponge or otherwise allow to air dry.~~

~~6. Repeat application at weekly intervals or when growth appears.~~

[0043]

**AGRICULTURAL USE REQUIREMENTS**

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2009

Under the Federal Insecticide, fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 91ED-11

11/14

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.

[0044]

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.

[0045]

**NON-AGRICULTURAL USE REQUIREMENTS**  
This 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. **ACCEPTED with COMMENTS**  
EPA Letter Dated:

[0046]

Personal Protective Equipment (PPE):  
Long-sleeved shirt, long pants, and shoes with socks.

MAR 16 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 9150-11

[0047] - [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.

[0048] -- [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

12/14

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.

[0049] - [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.

[0050] - [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.

[0051] - [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.

[0052] - [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.

[0053] - [OPT.]

Greenhouse Glass:

Mix 4-9 fl oz 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 of dead algae with water for improved light penetration. Reapply as needed. Avoid overspray, do not apply directly to plant material.

[0054] - [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

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2009

per the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 9150-11

13/14

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.

[0055] - [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.

[0056] - [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.

[0057] - [OPT.]

Decorative Pools, Fountains, and Water Displays:

For initial dosage when algae is 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 1/2 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 1/2 fl oz per gallon.

[0058] - [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.

[0059] - [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.

[0060] - [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.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2009

per the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 9150-11

[0061] - [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.

[0062] - [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.

[0063] - [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.

[0064] - [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.

[0065] - [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.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 16 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 9150-11