

71654-22

04/20/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510C)
 1200 Pennsylvania Avenue NW
 Washington, D.C. 20460

EPA Reg. Number:
 71654-22

Date of Issuance:
 APR 20 2007

Term of Issuance:
Conditional

Name of Pesticide Product:
 Cryocide(R) Disinfectant Spray

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

E.I DuPont de Nemours and Company
 Dupont Chemical Solutions Enterprise - P.O. Box 80402
 Experimental Station (ESL 402/3442A)
 Wilmington, DE 19880-0402

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 71654-22".

Signature of Approving Official:

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

Date:

APR 20 2007

Enclosure: (Stamped Label)

Cryocide(R) Disinfect : Spray
EPA Reg. No. 71654-22

b. Revise the Ingredient Statement as follow:

ACTIVE INGREDIENTS	
Chlorine Dioxide	0.18%
Didecyl Dimethyl Ammonium Chloride	0.10%
OTHER INGREDIENTS	<u>99.72%</u>
	100.00%

c. The non-pesticidal claims that this product "Cleans & Deodorizes Porous & Semi-Porous Surfaces" are unacceptable and have been removed from the proposed label. The non-pesticidal use sites are not included in the pesticidal section of the label. Therefore, it has been determined that statements which do not meet this criteria may be considered false and misleading in that they may suggest or imply to the user of the product that the product would provide pesticidal benefits to sites/surfaces for which a pesticidal claim has not been substantiated.

d. The submitted data for "*pseudomonas aeruginosa*" was unacceptable. The *Pseudomonas aeruginosa* must be acceptable to obtain a hospital, healthcare or institutional use. Therefore, if you amend your label in the future to add institution, hospital or healthcare related use claims you must provide the acceptable data (see attached DER for explanation.)

e. The official designation of *Salmonella choleraesuis* (ATCC 10708) has been changed to *Samonella enterica*. The label has been revised to reflect the change.

f. In order to include a kills mold claim on the label efficacy data against *Aspergillus niger* must be submitted. The labeling indicates that your product kills mold and thus efficacy testing is required. The company may retain the mildew claim for bathroom premises. Testing against *Trichophyton* fungi will not support a general mold claim in nonbathroom/shower environs such as attics and basements.

g. The company is not permitted to disinfect food contact surfaces and then instruct the user to rinse the treated surfaces with potable water. In order to have a food contact disinfection claim a different set of bacteria has to be tested, and all ingredients in the formulation must be cleared by our regulations for use on food contact surfaces. Rinsing the treated surface does not negate the need for the efficacy testing, nor renders the food contact surface safe from the pesticide residues.

h. This product was not tested against bacteria, viruses, and pathogenic fungi the company is not permitted to use the term "germs" in their product labeling.

i. The alternate fragrance formulations identified as #1, #2, #3, #4, #5 and #6 are unacceptable. The suppliers must submit the complete compositional information to the Agency.

j. The study for interim storage stability is unacceptable. The one year storage stability study must include the "830.6320 Corrosion Characteristic" guideline.

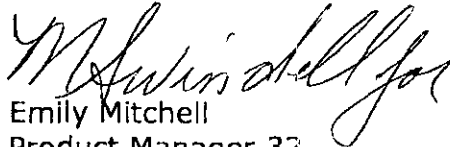
k. Change the "To Deodorize" section on page 3 to read "To eliminate odors retained on hard surfaces." All references to treating fabrics curtains, draperies and carpeting have been deleted from the label.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Emily Mitchell
Product Manager 32
Regulatory Branch II
Antimicrobials Division (7510P)

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CRYOCIDE® Disinfectant Spray

•32 Ounce [Opt] •1 Gallon [Opt.]

PRE-PAINT TREATMENT and DISINFECTANT SPRAY

Controls ~~KILLS~~ BACTERIA, MOLD & MILDEW *growth*

Fresh scent [OPT.] with Powerful Non-Bleach Oxidizer

Use around bath and shower stall to kill Bacteria, ~~Mold & Mildew~~ *Fungi*

[Back Panel: KILLS *Staphylococcus aureus* (staph) and *Salmonella choleraesuis enterica* (Salmonella)]

Controls & Prevents Mold and Mildew Growth [OPT.]

[Optional Marketing Phrases]

•READY-TO-USE [OPT.] •FAST ACTING [OPT.]

~~•KILLS MOLD & MILDEW [OPT.]~~

•BACTERICIDAL •FUNGICIDAL (PATHOGENIC) [OPT.]

•ODOR COUNTERACTANT •ODOR ELIMINATOR [OPT.] •ELIMINATES ODORS [OPT.]

•ECONOMICAL ONE STEP DISINFECTANT [OPT.]

•KILLS STAPH [OPT] •BROAD SPECTRUM DISINFECTANT [OPT]

•CONTROLS MOLD & MILDEW [OPT]



ACCEPTED
with COMMENTS
EPA Letter Dated:

APR 20 2007

ACTIVE INGREDIENTS:

Chlorine Dioxide.....0.18%

Didecyl Dimethyl Ammonium Chloride..... 0.10%

INERT INGREDIENTS:..... 99.72%

TOTAL: 100.00%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the pesticide,
registered under EPA Reg. No. 71654-22

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15- 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- 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.

For 24 hour emergency information on this product, call Chemtrec at 1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands) 1-703-527-3887 (All Other Areas)

Medical Emergency 1-800-441-3637 (outside U.S. 1 302-774-1139)

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.

See additional precautionary statements on side [back] panels.
EPA Reg. No. 71654- EPA Est. XXXXX-YY-Z

Manufactured by: E.I. duPont de Nemours and Company, P.O. Box 80402, Wilmington, DE 19880-0402
Cryocide® is a registered trademark of International Dioxide Inc., a DuPont Company
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PRECAUTIONARY STATEMENTS: Hazards to Human & Domestic

Animals CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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/recapture 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 this container. Place in trash or offer for recycling if available.

CRYOCIDE® Disinfectant Spray Kills ^{bacteria} and prevents ^{and inhibits} mold and mildew growth prior to painting and kills ^{clear} germs throughout the house on hard, non-porous surfaces. CRYOCIDE® Disinfectant effectively cleans, disinfects and deodorizes bathroom countertops, tubs, tile, around toilet areas, hampers and diaper pails as well as in kitchens, basements, attics and ~~storage~~ storage areas to control and prevent the growth of mold and mildew and ~~eliminate odors~~ and odors. [Opt.] ^{inhibits the}

CRYOCIDE® Disinfectant Spray effectively cleans, disinfects and controls mold & mildew on surfaces prior to painting and kills ^{bacteria} germs throughout the house on hard, non-porous surfaces. Use around bath and shower stalls, around sinks, counters and toilet areas as well as in kitchens, basements, attics and ~~storage~~ storage areas to control and prevent the growth of mold and mildew and eliminate ~~germs~~ ^{their} and odors. [Opt.] ^{inhibit}



CRYOCIDE® Disinfectant Spray is a disinfectant, fungicide, bactericide, mildewcide and mildewstat. It also provides exceptional cleaning and deodorizing [Opt.]

CRYOCIDE® Disinfectant Spray provides broad-spectrum efficiency and economy for commercial, ~~institutional~~, industrial, and residential disinfection. [Opt.]

CRYOCIDE® Disinfectant Spray: Its ability to OXIDIZE MALODORS offers a definite plus to its Disinfectant activity. [Opt.]

CRYOCIDE® Disinfectant Spray has been designed for use in industrial and ~~institutional~~ ^{commercial} facilities, and homes. [Opt.]

CRYOCIDE® Disinfectant Spray [optional] is for Disinfectant hard, non-porous surfaces such as ~~appliances~~ basins, bathroom fixtures, bathtubs, cabinets, cages, chairs, countertops, floors, sinks, tables, toilets, urinals and walls and other hard, non-porous surfaces made of fiberglass, Formica®, glass, ceramic, metal, plastic, painted surfaces and steel. [Opt.]

DIRECTIONS FOR USE

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

~~Delete~~ 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.

Containers larger than 32 Fl. Oz.: Application Instructions

For General Disinfection Applications in Commercial, Industrial, ~~Restaurants~~, Schools, Apartments and Homes:

Apply product to hard, non-porous surfaces, thoroughly wetting surfaces with spray. 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.

MOLD & MILDEW

MOLD AND MILDEW CONTROL AND DEODORIZATION (For Schools, hotels, correctional facilities, apartments and Homes)

CRYOCIDE® Disinfectant Spray ^{inhibits} controls and prevents mold and mildew on hard non-porous surfaces. **CRYOCIDE® Disinfectant Spray** works ~~rapidly and~~ thoroughly so it is an ideal product for ~~controlling~~ controlling and preventing mold in a single treatment. The efficacy ~~and fast mode of action~~ ^{for} makes **CRYOCIDE® Disinfectant Spray** the perfect product for effective single operation mold and mildew control and prevention.

1. Remove all heavy build-up of gross filth and loose debris from areas to be treated.

2. Apply the product onto the surface; spray 6 - 8 inches from the surface.

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 approved respirator is advised

3. Make sure the treated area is thoroughly wet for at least 10 minutes and allow to air dry

4. Repeat every 7 days or more frequently if growth reoccurs.



1. Remove excess water and test hidden areas for color fastness.
2. The treated area should be pre-cleaned of gross filth and loose debris. Unsalvageable materials should be removed prior to treatment.
3. Hold sprayer 6-8 inches from the surface and spray until surface is uniformly wetted. **Note:** Where mist or vapors may be generated, proper ventilation practices 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 treated and allow to air dry.
5. Repeat as necessary.

32 Fl. Oz. Size or smaller: Application Instructions

Thoroughly clean surfaces prior to application. Shake container well. Remove dirt, mold & mildew or other surface contamination with a JOMAXX® cleaner [OP-1] detergent product or an appropriate cleaner prior to applying. Rinse with water. Shake well. Apply thoroughly and evenly 6-8 inches away from a clean, dry surface using the SPRAY nozzle position for large areas or STREAM for a concentrated jet on hard to reach areas. [Optional]



To Control and Prevent the Growth of Mold & Mildew: Spray 6-8 inches away from a dry, pre-cleaned surface until thoroughly wet. The treated area must remain wet for at least 10 minutes. Allow to air. Repeat as needed.

To Deodorize: Spray surfaces as needed. To eliminate odors retained ^{on hard surfaces} in fabrics, spray on carpeting, draperies, curtains and upholstered furniture.