

75757-2

3-7-2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

[x] Registration
Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

75757-2

Date of Issuance:

MAR - 7 2007

Term of Issuance:

Conditional

Name of Pesticide Product:

CDG Solution 3000

Name and Address of Registrant (include ZIP Code):

CDG Research Corp.
140 Webster Street
Bethlehem, PA 18015

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. 75757-2".

Signature of Approving Official:

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

Date:

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- b. Signal word is "**DANGER**". **POISON!** along with a skull & crossbones are required on the label.
- c. The Precautionary statements must state:

DANGER-POISON: CORROSIVE. "Causes irreversible eye damage and skin burns. Do not get in eyes or on clothing. Do not inhale vapor or mist. Wear coverall worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses, and a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approved number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any N, R, P, or HE prefilter." Fatal if swallowed, absorbed through skin or inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, tobacco or using restroom. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

- d. The proposed label claims regarding the use of the product for treating potable water in cooling towers, process water systems, and for human consumption are acceptable as documented. The dosing instructions are consistent with the conditions in which the product was tested. A minimum contact time should be included on the proposed label consistent with the conditions in which acceptable efficacy data was generated.
 - e. The proposed label claims regarding the use of the product for controlling slime in cooling water systems and process water systems are acceptable. However, the "biological" descriptor must be removed.
 - f. You must submit Storage Stability and Corrosion Characteristics data performed on this product under GLP compliance.
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 (7510C)

Enclosure: (Stamped Label)

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CDG Solution 3000™

AN AQUEOUS SOLUTION OF CHLORINE DIOXIDE

This product is intended for the purification of water which has previously been treated in accordance with the Safe Drinking Water Act (SDWA), such as that provided by municipal water treatment facilities. Intended applications include: Treatment of Potable Water and Cooling Water in Hospitals & Healthcare Facilities, Nursing Homes, Hotels, Commercial Office Buildings, Government Buildings, Residential Buildings, and Ships; treatment of Industrial Process Water, Food Processing Water, and Livestock Drinking Water. And control of Biological Slime in Human and Animal Potable Water Systems, Process Water Systems, and Cooling Towers.

ACTIVE INGREDIENTS

Chlorine dioxide 0.3%

INERT INGREDIENTS

..... 99.7 %

TOTAL 100.00 %

CDG Solution 3000™ contains 3000 ppm (3000 mg/liter) chlorine dioxide (available chlorine 0.85 %)

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAR -7 2007

KEEP OUT OF REACH OF CHILDREN
DANGER POISON



Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 75957-2

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a 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 on skin or clothing	<ul style="list-style-type: none"> • Remove contaminated clothing • Rinse exposed skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor immediately for treatment advice
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance then give artificial respiration. • Call a poison control center or doctor for further treatment advice
If in eyes	<ul style="list-style-type: none"> • 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 immediately for treatment advice.

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NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage

HOTLINE NUMBERS

For chemical spill information call CHEMTREC: 1-800-424-9300
For emergency medical information, call the National Pesticide Information Center at 1-800-858-7378.

EPA Reg. No. 75757 - XXX

EPA Est. No. 75757-PA-1

Net Contents _____

Manufactured for:
CDG Research Corporation
759 Roble Road
Allentown, PA 18109

Patent Pending

Lot # _____ Date: _____ Expiry Date: _____

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Danger – Poison: Corrosive: Causes irreversible eye injury and skin burns. Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Fatal if swallowed, absorbed through skin or inhaled.

Wear the appropriate Personal Protective Equipment (PPE):

- Protective eyewear: Goggles, Face Shield, or Shielded Safety Glasses
- Protective clothing: Coveralls over long sleeve shirt, long pants, socks, chemical resistant footwear
- Chemical-resistant gloves
- Respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA / NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA / NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the restroom. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep containers tightly closed when not in use. Store in original container in a dark, dry place away from extremes of heat or freezing conditions. Do not store with easily oxidizable materials, acids, bases, or combustible materials.

This product is to be used as directed within 90 days of the manufacture date indicated on the front panel of this label.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of pesticide, prepared solutions, or rinsate is a violation of Federal law. If wastes can not be disposed of according label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of your nearest EPA Regional Office for guidance.

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other 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.

DIRECTIONS FOR USE

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

CDG Solution 3000 is a chlorine dioxide product designed to purify water which has previously been treated in accordance with the Safe Drinking Water Act (SDWA), including: Potable Water and Cooling Water in Hospitals & Healthcare Facilities, Nursing Homes, Hotels, Commercial Office Buildings, Government Buildings, Residential Buildings, and Ships; Industrial Process Water; Food Processing Water; Livestock Drinking Water. *CDG Solution 3000* also is designed to control Biological Slime in Potable Water Systems, Process Water Systems, and Cooling Towers. Pathogenic organisms controlled include bacteria and viruses set forth in USEPA *Guide Standard Protocol for the Purification of Water* (1987), i.e., *Klebsiella terrigena*, Poliovirus and Rotavirus.

In preliminary laboratory tests, *CDG Solution 3000* also has been shown to inactivate pure cultures of *Legionella* bacteria. However, the ability *CDG Solution 3000* to control the growth of, or inactivate *Legionella* bacteria in institutional drinking water systems, process water systems, cooling water systems, or other operating environments in which the water may be exposed to UV light, organic material, other microbial contamination and aeration, has not been documented. These preliminary findings also do not address the problem of long-term preventative maintenance of the drinking water systems, cooling water systems, process water systems and other systems for which application of this product is intended.

Carefully read and follow the instructions for the *CDG Solution 3000* dosing equipment provided by the manufacturer or its authorized agent.

POTABLE WATER, COOLING WATER, AND PROCESS WATER SYSTEMS

CDG Solution 3000 is intended for use in water systems which use as their source treated municipal water, including:

- Hospitals
- Office buildings
- Animal facilities
- Nursing homes
- Hotels
- Food processing plants
- Schools & public buildings
- Residential buildings
- Beverage production facilities

TREATMENT OF POTABLE WATER FOR HUMAN CONSUMPTION

Add *CDG Solution 3000* to the water at a dose of up to 2.0 ppm (2.0 mg/L) chlorine dioxide (a dilution ratio 1:1500), **Under USEPA regulations, drinking water intended**

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for human consumption may not contain more than 0.8 ppm (0.8 mg/liter) residual chlorine dioxide nor more than 1.0 ppm (1.0 mg/liter) chlorite ion.

TREATMENT OF WATER FOR ANIMAL CONSUMPTION

(For use to treat water for human consumption, see specific directions.)

Add *CDG Solution 3000* to the water at dose of 5.0 ppm (5.0 mg/liter) chlorine dioxide (a dilution ratio of 1:600).

TREATMENT OF COOLING WATER SYSTEMS TO CONTROL BIOLOGICAL SLIME

Add *CDG Solution 3000* to the water at a dose of 50 ppm (50 mg/liter) chlorine dioxide (a dilution ratio of 1:60), and circulate or let stand overnight. Drain and rinse with clean water before re-use. To prevent slime growth after initial treatment, add *CDG Solution 3000* to the water at a dose of 5.0 ppm (5.0 mg/liter) chlorine dioxide (a dilution ratio of 1:600).

TREATMENT OF PROCESS WATER SYSTEMS TO CONTROL BIOLOGICAL SLIME

Add *CDG Solution 3000* to the water at a dose of 50 ppm (50 mg/liter) chlorine dioxide (a dilution ratio of 1:60), and circulate or let stand overnight. Drain and rinse with clean water before re-use. To prevent slime growth after initial treatment, add *CDG Solution 3000* to the water supply at a dose of 5.0 ppm (5.0 mg/liter) chlorine dioxide (a dilution ratio of 1:600).

CONDITIONS OF SALE AND WARRANTY

CDG Research Corporation ("CDG"), its Supplemental Distributors and the Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use.

TO THE EXTENT PERMITTED BY LAW, NEITHER CDG NOR ITS SUPPLEMENTAL DISTRIBUTORS MAKE ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS.

CDG, its Supplemental Distributors, and the Seller offer this product, and the Buyer accepts it, subject to the foregoing Conditions of Sale and Warranty. No employee or agent of CDG, its Supplemental Distributor, or the Seller is authorized to vary or exceed the terms of this Warranty in any manner.