

58300-11

12/5/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

58300-11

Date of Issuance:

DEC 5 2001

Term of Issuance:

Conditional

Name of Pesticide Product:

Sanicide™ CD-2

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(Under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Conseal International, Inc.  
728 Industry Road  
Longwood, Florida 32750

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/reregistration 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 reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 58300-11".
- b. Delete the "s" on the word "Hazards" in the line immediately following the "Precautionary Statements".
- c. Delete the "s" on the word "Ingredients" in the Ingredient Statement.

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Signature of Approving Official:

Robert S. Brennis, Acting PM 32

Date:

DEC 5 2001

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- d. Change the Company Name to read: "Conseal International, Inc.
3. Submit two copies of the revised final printed label for the record.

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.

A handwritten signature in black ink, appearing to be 'JRSB', is located in the lower right quadrant of the page.

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

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Chem-Tel, Inc. at 800-255-3924 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

**ENVIRONMENTAL HAZARD**

This product 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 Pollution 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**CHEMICAL AND PHYSICAL HAZARDS**

Stabilized Chlorine Dioxide is a strong oxidizing agent. Contamination with other materials such as acids, toxic chlorine, organic chemicals, etc., may cause a chemical reaction, resulting in evolution of chlorine dioxide gases and heat. Explosion and/or fire could result. Chlorine dioxide is a poisonous explosive gas. Keep all chemical and foreign materials away from this solution.

**STORAGE AND DISPOSAL**

Do not store with easily oxidizable materials, acids, reducers and combustible material. Avoid heat or freezing conditions. Store upright and do not stack drums over 2 high on pallets or partially filled drums. Use of a drum pump is suggested. Keep drum tightly closed when not withdrawing liquid. In case of spills, dilute with large quantities of water. Do not allow liquid to dry because this could present a fire hazard. Store only in the original container and take care to prevent cross contamination with other pesticides, fertilizer, food and feed.

**EMERGENCY HANDLING:** In case of contamination or decomposition, do not re-seal container. Isolate in an open, well-ventilated area. Flood with large volumes of water. Cool unopened drums in vicinity by water spray.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** 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.

**NOTICE:** Seller expressly warrants that the product conforms to its chemical description. There are no warranties associated with the sale of this product, either express or implied, including, but not limited to the warranties of fitness for a particular purpose or use.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Before using this product in the generation of chlorine dioxide for biological control in paper mills, food processing fumes, water treatment equipment, petroleum recovery, hospital disinfection, cutting oils, cooling towers, hard surface disinfection or sanitization of food processing equipment.

# SaniCide™ CD-2

**2% AQUEOUS STABILIZED  
CHLORINE DIOXIDE**

**FOR INSTITUTIONAL OR  
INDUSTRIAL USE ONLY**

Active Ingredients:  
 Chlorine Dioxide: ..... 2%  
 Inert Ingredients: ..... 98%  
100%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**SEE SIDE PANELS FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

E.P.A. REG. NO. 58300-  
 E.P.A. REG. NO. 58300-FL-001  
 with COMMENTS  
 in EPA Letter Dated:

NET WT. \_\_\_\_\_ lbs.  
 DEC 5 2001

Under the Federal Insecticide,  
 Fungicide and Rodenticide Act as  
 amended for the pesticide  
 registration under EPA Reg. No.

NSI Information certifies that this product conforms to  
 the requirements of ANSI/NSF Standard 60 - Drinking  
 Water Treatment Chemicals - Health Effects with  
 maximum use levels for potable water of 10ppm.

**DYN-O-MITE INTERNATIONAL, INC.**  
 Longwood, Florida

Rev 09-19-01

SaniCide™ is a Trademark of ConSeal Intern

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### PRODUCT DATA - SaniCide™ CD-2

#### TO DISINFECT WALLS, CEILINGS AND FLOORS.

##### Directions for Use:

1. Before disinfection, all gross filth must be removed, then clean the areas to be disinfected with a detergent solution followed by a potable water rinse.
2. Add 2.5 fl. oz. of SaniCide™ CD-2 per gallon of solution to be used. (1:51 dilution). Adjust the pH of the solution to 4.0 with acetic acid (vinegar) citric acid, phosphoric acid or add 1/4 up to 1/2 (.25 up to .5) grams of DRA-2 to each gallon of solution. Allow to stand for 15 minutes.
3. Spray or fog the above solution onto surface to be disinfected. Allow to remain for at least 20 minutes but preferably longer and allow to air dry. Use suitable protective breathing apparatus when fogging or spraying, then allow solutions to air dry. Always apply freshly prepared solutions.
4. For sink soaking of previously cleaned utensils heavily stained dishes and glasses, equipment parts, prepare the solution as described above. Fill and hold for 20 minutes. Drain and air dry.

#### TO CONTROL THE BUILDUP OF ODOR AND SLIME AND IMPROVE TASTE IN ICE PLANTS AND POULTRY AND MEAT PROCESSING PLANT WATER.

##### Directions for Use:

1. Thoroughly clean the ice making machinery with a detergent solution followed by a potable water rinse.
2. Meter into the incoming water to the ice plant potable water system, 1.0 gal. of SaniCide™ CD-2 per 1,000 gal. of water (20 ppm available ClO<sub>2</sub>).
3. As an additive to potable water in meat and poultry processing plants to inhibit bacterial slime and improve taste and odor, add 1.0 gallons of SaniCide™ CD-2 per 1,000 gallons of water.

#### TO CONTROL ODOR AND SLIME FORMING BACTERIA, MOLD AND MILDEW ON WALLS, FLOORS AND CEILINGS.

##### Directions for Use:

1. Before treatment, remove all gross filth, wash with detergent and rinse with potable water.
2. Spray or soak the walls, floors and ceilings with a solution of 2.5 gallons of SaniCide™ CD-2 diluted to 20 gal. with water. (2500 ppm available ClO<sub>2</sub>). Avoid breathing the mists with suitable respiratory protection. Avoid contact with food. Allow to air dry and repeat as necessary.

#### TO INHIBIT BACTERIAL SLIME FORMING BACTERIAL BUILDUP IN COMMERCIAL WATER FILTRATION SYSTEMS, SAND BEDS, GRAVEL BEDS, CHARCOAL FILTERS AND COOLING WATER SYSTEMS.

##### Directions for Use:

##### FILTERS

1. Carefully back flush filters with potable water where possible to remove all accumulated solid residue and contamination.
2. Fill system with potable water and adjust the pH to 6.0 with citric acid, phosphoric acid or acetic acid (vinegar) or equivalent.
3. Add 2.0 fl. oz. of SaniCide™ CD-2 per gallon (300 PPM) of filter system volume to the accumulation and circulate the system for 1 hour. Check the pH and adjust back to 6.0 if it has drifted. Bring the ClO<sub>2</sub> concentration back to 300 ppm.
4. Circulate the solution for 1 additional hour, discharge and then water wash for 30 minutes with potable water to remove the chlorine dioxide.

##### COOLING WATER SYSTEMS

1. Add 2.5 gallons of SaniCide™ CD-2 per 10,000 gallons of cooling water every week.
2. Depending on the degree and type of contamination, addition frequency may be reduced to every 2 - 3 weeks when contamination is under control.

#### IN INDUSTRIAL APPLICATIONS - TO INHIBIT THE GROWTH OF SLIME AND ODOR CAUSING BACTERIA IN WATER BASED CUTTING OILS

##### Directions for Use:

1. Batch Method - add 80 oz. of SaniCide™ CD-2 per thousand gallons to fresh system and repeat weekly or on first indication of increased bacterial contamination

(odor, slime, bacterial count) alkaline systems may require higher concentration of SaniCide™ CD-2.

2. Continuous Method - Proportion in 5 gallons of SaniCide™ CD-2 per million gallons per day used in the system. Alkaline systems may require higher concentration.
  3. Badly Contaminated Systems - Slug dose system with 25 gallons of SaniCide™ CD-2 per million gal. of cutting oil. Then start the continuous procedure described above.
- Adjust quantities in any of the above systems to compensate for levels of contamination, pH, type of contamination, etc. as necessary.

#### TO PREVENT CORROSION AND SLIME BACTERIA IN OIL WELLS DURING SECONDARY RECOVERY OPERATIONS

##### Directions for Use:

1. Prepare a working solution of 5,000 ppm stabilized chlorine dioxide by diluting each gallon of SaniCide™ CD-2 used to 4 gals. solution with the injection water.
2. Proportion 1 part of the above solution into each 150 parts of reinjected acidified (3.0 - 4.0 pH) water.
3. Monitor microbial content of the water and increase or decrease the addition rate of the working solution as necessary.

#### IN FOOD PROCESSING PLANTS, (POULTRY, MEAT, FISH), DAIRIES AND BOTTLING PLANTS

For use as a terminal food contact surface sanitizing rinse conforming to 21 CFR 178.1010 paragraph b, 34 and c, 29 not requiring a subsequent potable water rinse.

##### Directions for Use:

1. This solution is intended for use as a food contact surface sanitizer for dairies, ice cream factories and food processing plants.
2. This solution may be used on hard surfaces such as tables, trays, bins, etc. and the interior or exterior of food processing equipment.
3. All equipment should be thoroughly cleaned to remove gross food particles and soil by pre-rinse or pre-scrape and where necessary, a pre-soak treatment. The surfaces or objects should then be cleaned with a detergent or cleaner followed by a potable water rinse before application of the sanitizing solution.
4. The active biocide in the system is free ClO<sub>2</sub>, even though the stabilized chlorine dioxide at pH 8.5 is mildly bacteriostatic. Free ClO<sub>2</sub> is released by addition of an activator and/or acidulant. A solution containing 1,000 ppm of total available chlorine dioxide is prepared by adding 2.5 gallons of SaniCide™ CD-2 per 50 gallons of water and then adding 64 grams (2.3 ounces) of DRA-2 per 50 gallons of solution. Allow to stand for 15 minutes after agitation for 5 minutes. As an alternate, this solution can be activated by addition of food grade citric acid, phosphoric acid or acetic acid (vinegar) to the pH to 4.0. Then dilute one part of this solution with 4 parts of water to give 200 ppm of total chlorine dioxide and about 125 ppm free ClO<sub>2</sub> (30 - 40 ppm free ClO<sub>2</sub> when acid activation is used).
5. This solution should be allowed to contact all food processing equipment for at least 1 minute but preferably longer by transferring and/or spraying into each food-processing vessel. It is essential that the sanitizing solution contact all surfaces to be sanitized. Thus, hard to reach in place equipment, pipes, closed vessels, etc. should be filled with the solution to ensure contact of all surfaces with the sanitizing solution. Use suitable protective breathing apparatus when spraying this solution on external equipment.
6. After the required contact time or longer, the solutions are allowed to drain from all surfaces and air dried.
7. The above solution may not be reused for sanitizing but may be diluted to 1:5 with water and used for cleaning of walls, floors and drains of the plant.

#### AS A SLIMICIDE IN PAPER MILLS TO PREVENT SLIME, TAR SPOTS, AND PITCH SPOTS IN WHITE WATER SYSTEMS

By maintaining a ClO<sub>2</sub> atmosphere in the white water, the microorganisms cannot produce the nodules which result in slime.

##### Directions for Use:

1. If the pH of the white water is below 7.0, add 11-1/4 gallons of SaniCide™ CD-2 per hundred tons of paper produced.
  2. If the pH of the white water is above 7.0 then add 1/2 gallon of 50% sodium hypochlorite as an activator with each 11-1/4 gallons of SaniCide™ CD-2.
- Continuous proportioning of the SaniCide™ CD-2 feed is recommended for best results. In many cases, the amount can be reduced after the system is clean.