

9150-8

7/1/2009

1 of 11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

JUL -1 2009

Bonnie J. Bieber  
Regulatory Coordinator  
International Dioxide Inc.  
40 Whitecap Drive  
North Kingstown, RI 02852

**FILE COPY**

Subject: Adox 750  
EPA Registration No. 9150-8  
Application Date: June 2, 2009  
Receipt Date: June 4, 2009

Dear Ms. Bieber:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

**Proposed Notification:**

- Revision to Storage and Disposal Statement per PR Notice 2007-4

**General Comments:**

Based on a review of the material submitted, the following comments apply:

The notification is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Y. Henson  
Product Reviewer (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

2011

Please read instructions on reverse before completing form.

Form Approved MB No. 2070-0060, Approval expires 05-31-98



EPA

United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other: NOTIFICATION

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number <b>9150-8</b>	2. EPA Product Manager <b>Emily Mitchell</b>	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Adox 750</b>	PM# <b>Team 32</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>International Dioxide, Inc.</b> <b>40 Whitecap Dr.</b> <b>North Kingstown, RI 02852</b> <b>Attn: Bonnie J. Bieber</b>  <input type="checkbox"/> Check if this is a new address		6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - Explain below
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**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

**"Notification of label change per PR Notice 2007-4.**

*This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."*

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Section - III

<b>1. Material This Product Will Be Packaged In:</b>			
<b>Child-Resistant Packaging</b> <input type="checkbox"/> Yes* <input type="checkbox"/> No	<b>Unit Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes" Unit Packaging wgt.      No. per container	<b>Water Soluble Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes" Package wgt.              No. per container	<b>2. Type of Container</b> <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
<b>*Certification must be submitted</b>			
<b>3. Location of Net Contents Information</b> <input type="checkbox"/> Label <input type="checkbox"/> Container	<b>4. Size(s) Retail Container</b>		<b>5. Location of Label Directions</b> <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
<b>6. Manner in Which Label is Affixed to Product</b> <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)</b>		
<b>Name</b> <b>Bonnie J. Bieber</b>	<b>Title</b> <b>Regulatory Coordinator</b>	<b>Telephone No. (Include Area Code)</b> <b>(302) 695-1557</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete; I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both, under applicable law.		<b>6. Date Application Received (Stamped)</b>  <div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div>
<b>2. Signature</b>  <b>Bonnie J. Bieber</b>	<b>3. Title</b> <b>Regulatory Coordinator</b>	
<b>4. Typed Name</b>	<b>5. Date</b> <b>6/2/09</b>	

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International Dioxide, Inc.  
40 Whitecap Dr.  
North Kingstown, RI 02852

DELIVERED BY COURIER

June 2, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

SUBJECT: Adox 750  
EPA Registration # 9150-8

"Notification of label change per PR Notice 2007-4.

Dear Sir or Madam:

In accordance with PR Notice 2007-4, International Dioxide Inc. is notifying the Agency of Storage and Disposal Language label language upgrades for the above referenced product. Attached please find the following documents supporting this notification:

- Application for Pesticide Registration (EPA form 8570-1) – dated 6/2/09
- One copy of the label with changes highlighted

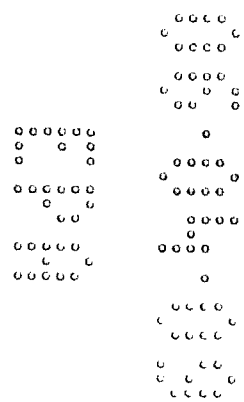
This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

Please contact me by phone at 302-695-1557 or by email at [bonnie.j.bieber@usa.dupont.com](mailto:bonnie.j.bieber@usa.dupont.com) if you have any questions.

Sincerely,

Bonnie J. Bieber  
Regulatory Coordinator

*attachments*



[0001] – MASTER LABEL

**ADOX® 750**

7.5% AQUEOUS SODIUM CHLORITE SOLUTION

[0002]

PRECURSOR FOR CHLORINE DIOXIDE AND ACIDIFIED CHLORITE SOLUTIONS FOR INDUSTRIAL USE ONLY

[0003]

Active Ingredients

Sodium Chlorite ----- 7.5%

Inert Ingredients ----- 92.5%

Total: 100%

[0004]

**KEEP OUT OF REACH OF CHILDREN**

[0005]

**DANGER!**

[0006]

<p><b>FIRST AID</b></p> <p><u>If in eyes:</u> 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.</p> <p><u>If on skin or clothing:</u> 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.</p> <p><u>If inhaled:</u> 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.</p> <p><u>If swallowed:</u> 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.</p> <hr/> <p>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. 302-774-1000)</p> <hr/> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <hr/> <p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>
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[0007]

EPA Reg. No. 9150-8

[0008]

EPA Est. No. XXXXXX-YYY-ZZZ

[0009]

NET CONTENTS \_\_\_\_\_ GAL.

[0010]

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



ANSI/NSF 60  
DRINKING WATER  
TREATMENT ADDITIVES  
3R80  
Max. Use Level 93.3 mg/L

[0011]

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[0012]

ADOX® is a registered trademark of International Dioxide Inc., a DuPont Company.

[0013]

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMAN & DOMESTIC ANIMALS**

[0014]

**DANGER:** This product becomes a fire or explosive hazard if allowed to dry. Highly corrosive, causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or clothing. May be fatal if swallowed. Do not get on bare hands. Wear goggles or face shield and neoprene gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing at once to avoid a fire and wash separately before reuse. Avoid breathing fumes.

[0015]

**ENVIRONMENTAL HAZARDS**  
This pesticide is toxic to fish and other 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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[0016]

**PHYSICAL OR CHEMICAL HAZARDS**

**DANGER.** This product becomes a fire or explosive hazard if allowed to dry. Strong oxidizing agent. Mix or dilute into water only. Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine or chlorine dioxide gas mixture which is toxic and may be explosive. Combustible materials contaminated with ADOX<sup>®</sup> 750 may burn rapidly. Keep handling areas and equipment clean and free of oils, greases, combustibles and dust. Do not contaminate product with garbage, dirt, organic matter, paint products, solvents, acids, vinegar, beverages, oils, pine oils, dirty rags or other foreign matter. Do not expose to hot surfaces, sparks or open flame.

[0017]

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

**STORAGE:** Store upright in cool, dry and well-ventilated place. Avoid excessive heat or freezing. Protect from contact with other chemicals; avoid storage with organic chemicals, acids, reducers and combustible material. Keep container tightly closed when not in use. In case of spills, flush and drain promptly to sewer with large quantities of water. Do not allow liquid to dry out because this could present a fire hazard. If fire occurs, extinguish with large volume of water. Avoid exposure to high temperatures during storage. Store remote from other chemicals and combustible materials. Do not skid or slide drums.

**PESTICIDE 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 instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container.** Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Empty the rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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

[0018]

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

[0019]

**DIRECTIONS FOR USE**

[0020]

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

[0021]

**METHOD OF APPLICATION**

Use ADOX® 750 with a Chlorine Dioxide Generator to generate an aqueous chlorine dioxide solution. Alternatively, ADOX® 750 can be used to form acidified sodium chlorite solutions by mixing the product with a Generally Recognized as Safe (GRAS) acid such as citric, phosphoric, hydrochloric or acetic acid.

Chlorine Dioxide Generators react ADOX® 750 with either chlorine or a chlorine solution and hydrochloric acid. The generated chlorine dioxide solution can be added at a point in the system to be treated which ensures uniform mixing. Follow all instructions in the chlorine dioxide generator manual carefully. Always prepare and use chlorine dioxide solutions in a well-ventilated area.

[0022]

**APPLICATIONS**

[0023] – [OPT.]

**POTABLE WATER AND WASTEWATER DISINFECTION:** For most municipal and other potable water systems, a chlorine dioxide residual concentration up to 2.0 ppm is sufficient to provide adequate disinfection. Typically, the target residual concentrations range from 0.20 – 0.75 ppm. Monitor the distribution system to ensure that the chlorite concentration does not exceed its maximum contaminant level (MCL) of 1 mg/L and that chlorine dioxide does not exceed its maximum residual disinfection level (MRDL) of 0.8 mg/L. For wastewater and sewage applications, residual chlorine dioxide concentrations up to 5.0 ppm are generally adequate.

[0024] – [OPT.]

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**FOOD PROCESSING PLANTS, DAIRIES, BOTTLING PLANTS AND BREWERIES, FOOD PLANTS PROCESS WATER:** For microbial control in typical food processing water systems, such as flume transport, chill water systems, hydrocoolers, and other water systems, apply ADOX® 750 through a chlorine dioxide generation system to achieve a chlorine dioxide residual concentration ranging from 0.25 to 5.0 ppm.

Residual concentrations of up to 5.0 ppm chlorine dioxide generated from ADOX® 750 may also be used as a water sanitizer for fruit and vegetable washing and cut and peeled potato products followed by a subsequent potable water rinse.

[0025] – [OPT.]

**POULTRY PROCESSING WATER:** Use ADOX® 750 to generate chlorine dioxide for use as an antimicrobial agent in water used in poultry processing in an amount not to exceed 3 ppm residual chlorine dioxide as determined by an appropriate method.

[0026] – [OPT.]

**AQUEOUS DISINFECTIONS SYSTEMS FOR CIP CLEANING:** If the concentration of chlorine dioxide generated from ADOX® 750 exceed 5.0 ppm, a potable water rinse should follow treatment. Care should be taken to ensure the biological and chemical quality of the potable water.

[0027] – [OPT.]

**GENERAL INDUSTRIAL PROCESS WATER TREATMENT (OILFIELD INJECTION WATER, WHITE WATER PAPER MILL SYSTEMS, AND RECIRCULATING COOLING TOWERS):** For control of microbial slime, these systems will require a chlorine dioxide residual concentration ranging between 0.25 and 5.0 ppm.

[0028] – [OPT.]

**ONCE-THROUGH COOLING WATER SYSTEMS.** Control of mollusks can be effectively accomplished using ADOX® 750 as directed in commercial and industrial once-through cooling water systems. ADOX® 750 may be fed on a continuous or slug basis depending on the degree of system fouling.

SLUG DOSE: Add 42 to 210 lbs. of chlorine dioxide per million gallons of water (5 to 25 ppm).

CONTINUOUS DOSE: Add 2 to 16 lbs. of chlorine dioxide per million gallons of water (0.25 to 2 ppm).

[0029] – [OPT.]

**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.





[0030] – [OPT.]

**Direction 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-flush 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. Add 20 oz. of ADOX® 750 to 50 gallons of water and then acidify to pH 2.6 with organic or mineral acids or add 20 grams of Activator C or 175 grams of Activator K to the solution. Allow to stand for at least 15 minutes.
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 vessel, 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.

[0031] – [OPT.]

**USE OF ACIDIFIED SODIUM CHLORITE SOLUTIONS**

Pursuant to 21 C.F.R. Part 173.325, the Food and Drug Administration (FDA) has approved the use of acidified sodium chlorite solutions as antimicrobial agents for poultry, meat, and raw agricultural commodities. Specific use-instructions for these applications are listed below.

[0032] – [OPT.]

**TO CONTROL THE MICROBIAL POPULATION OF POULTRY PROCESSING CHILLER WATER**

Prepare a solution having a concentration of sodium chlorite between 50 and 150 ppm. Dilute 1 gallon of ADOX® 750 to 1500 gallons with water for 50 ppm or 1 gallon of ADOX® 750 to 500 gallons with water for 150 ppm. Lower the pH of this solution to between 2.8 and 3.2 with any GRAS acid. This solution is used in a pre-chiller or chiller for chicken carcasses and carcass parts.

110A 11

[0033] – [OPT.]

**TO CONTROL THE MICROBIAL POPULATION OF CHICKEN CARCASSES**

Prepare a solution having a concentration of sodium chlorite between 500 and 1200 ppm. Dilute 1 gallon of ADOX® 750 to 150 gallons with water for 500 ppm sodium chlorite or 1 gallon ADOX® 750 to 62.5 gallons with water for 1200 ppm. Lower the pH of this solution to between 2.3 and 2.9 with any GRAS acid. Spray or dip the carcass parts in this solution or use as a component of a post chill carcass spray or dip solution when applied to poultry meat, organs, or related parts or trim.

[0034] – [OPT.]

**TO CONTROL THE MICROBIAL POPULATION IN THE PROCESSING OF RED MEAT, RED MEAT PARTS AND ORGANS**

Prepare a solution having a concentration of sodium chlorite between 500 and 1200 ppm. Dilute 1 gallon of ADOX® 750 to 150 gallons with water for 500 ppm sodium chlorite or 1 gallon of ADOX® 750 to 62.5 gallons with water for 1200 ppm. Lower the pH of this solution to between 2.5 to 2.9 with any GRAS acid. The red meat parts are sprayed or dipped into the solution.

[0035] – [OPT.]

**TO CONTROL THE MICROBIAL POPULATION IN PROCESSED, COMMINUTED OR FORMED MEAT**

(UNLESS SUCH USE IS PRECLUDED BY THE USDA STANDARDS OF IDENTITY IN 9CFR 319)

The additive is used at levels between 500 and 1200 ppm of sodium chlorite to control the microbial population on processed, comminuted, or formed meat products (unless precluded by standards of identity in 9 CFR Part 319) prior to packaging of the food for commercial purposes, in accordance with current industry of good manufacturing practice. Dilute 1 gallon of ADOX® 750 to 150 gallons with water for 500 ppm sodium chlorite or 1 gallon of ADOX® 750 to 62.5 gallons with water for 1200 ppm sodium chlorite. Lower the pH of this solution to between 2.5 to 2.9 with any GRAS acid. This solution is applied as a spray or dip.

[0036] – [OPT.]

**TO ELIMINATE THE GROWTH OF MICROORGANISMS, IN FOOD PROCESSING FACILITIES, THAT CAUSE SPOILAGE ON RAW AGRICULTURAL COMMODITIES SUCH AS FRUITS AND VEGETABLES**

Prepare a solution having a concentration of between 500 ppm and 1200 ppm of sodium chlorite. Dilute 1 gallon of ADOX® 750 diluted to 150 gallons (500 ppm) or 62.5 gallons (1200 ppm), with water. Lower the pH of the solution to between 2.3 and 2.9 with any GRAS acid. The raw agricultural products are sprayed or dipped into this solution. This treatment must be followed by a potable water rinse or by blanching, cooking or canning.