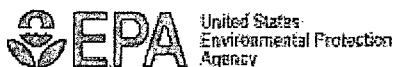


1258-1235

2/27/2013

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



Office of Pesticide Programs

FEB 27 2013

Arch Chemical, Inc.  
5660 New Northside Drive NW, Suite 1100  
Atlanta, GA 30328

Attention: Nadiyah A. McCarroll  
Senior Regulatory Services Associate

Subject: Zinc Omadine ZOE Dispersion Mildewcide  
EPA Registration No. 1258-1235  
Your Notification Dated January 28, 2013

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

**Proposed Notification**

Updated Labeling Changes per PR Notice 98-10

**General Comments**

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

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to the file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in black ink that reads "Martha Terry" followed by a large, stylized flourish or signature mark.

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other:

OPP Identifier Number

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### Application for Pesticide - Section I

|                                                                                                                                                          |                                             |                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>1258-1235                                                                                                                   | 2. EPA Product Manager<br>Marshall Swindell | 3. Proposed Classification<br><br><input type="checkbox"/> None <input type="checkbox"/> Restricted                                                                                            |
| 4. Company/Product (Name)<br><b>Zinc Omadine ZOE Dispersion Mildewcide</b>                                                                               | PM#<br>33                                   |                                                                                                                                                                                                |
| 5. Name and Address of Applicant (Include ZIP Code)<br><b>Arch Chemicals, Inc.<br/>5660 New Northside Drive, Suite 1100<br/>Atlanta, GA 30328</b>        |                                             | 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:<br>EPA Reg. No. _____<br><br>Product Name _____ |
| <b><u>PLEASE SEND ALL CORRESPONDENCE TO</u></b><br><b><u>"CONTACT POINT" LISTED BELOW</u></b><br><input type="checkbox"/> Check if this is a new address |                                             |                                                                                                                                                                                                |

### Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                          |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below                                         |

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

### Notification Per PR Notice 98-10: See Cover Letter for Details

This notification is consistent with the provisions of PR-Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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: 2013-1-28

### Section - III

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

### Section - IV

|                                                                                                                                                                                                                                                                                    |                                                      |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)                                                                                                                                       |                                                      |                                                |
| Name<br><b>Nadiyah A. McCarroll</b>                                                                                                                                                                                                                                                | Title<br>Sr. Regulatory Services Associate           | Telephone No. (Include Area Code) 201.316.9213 |
| <b>Certification</b><br>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. |                                                      | 6. Date Application Received (Stamped)         |
| 2. Signature<br>                                                                                                                                                                                                                                                                   | 3. Title<br><b>Sr. Regulatory Services Associate</b> |                                                |
| 4. Typed Name<br><b>Nadiyah A. McCarroll</b>                                                                                                                                                                                                                                       | 5. Date<br><b>January 28, 2013</b>                   |                                                |

Please read instructions on reverse before completing form.

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete

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

White- EPA File Copy (original) Yellow- Applicant Copy

Via FedEx

Marshall Swindell, PM-33  
Document Processing Desk [NOTIF]  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2227 S. Crystal Drive  
Arlington, VA 22202

Lonza Inc  
Allendale  
90 Boroline Road  
Allendale, NJ 07401, USA

Nadiyah A. McCarroll  
Regulatory Services

Tel 201-316-9213  
nadiyah.mccarroll@lonza.com

January 28, 2013

**SUBJECT: Label Notification as per PR Notice 98-10**

**PRODUCTS: Zinc Omadine ZOE Dispersion Mildewcide**

Dear Mr. Swindell:

On behalf of Arch Chemicals, Inc. (now a part of Lonza, Inc.), I am submitting this Notification to the Agency on the above referenced product to request the following changes/updates to the label:

- To add the statement "Alternatively the product may be added to latex or other types of coating systems routinely applied to the surfaces of walls, ceiling tiles, partitions, etc. at the same dosage as above" under the "To inhibit the Growth of Bacteria and Fungi in Dry Wall and Gypsum, Pearlite, Plaster-Like, Mineral Based or Cellulose Derived Building Materials Used in the Manufacture of Ceilings, Ceiling Tile, Wall and Partitions" section of the label
- To add "Toilet Seats" back on the label. Toilet Seats was originally added on the November 2009 label (attached). This statement was inadvertently omitted on all subsequent labels.
- To add The Chemical Hazards Section back on the label. The Chemical Hazards Statement was present on the May 2007 label (attached) and has since been inadvertently omitted on all subsequent labels.
- To Add optional bracket {} around the "Non-Food Contact Uses" and "Indirect-Food Contact Uses"
- To add "Approved" to the qualifier statement "Not for use in California."

To support this notification, the following documents are enclosed for your review:

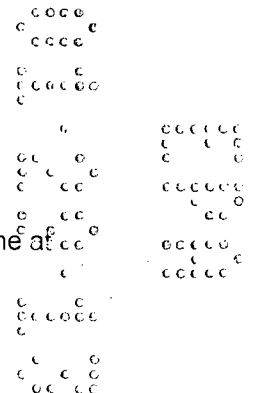
1. Application for Notification; FRM 8750-1;
2. One (1) copy of the proposed label with highlighted changes;
3. One (1) clean copy of each proposed label;
4. A copy of the approved November 2010 label;
5. A copy of the approved May 2007 label; and;

If you have any questions or need any additional information, please feel free to contact me at [nadiyah.mccarroll@lonza.com](mailto:nadiyah.mccarroll@lonza.com) or 201-316-9213.

Best Regards

Lonza Inc.

Nadiyah A. McCarroll  
Sr. Regulatory Services Associate



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|                                    |              |
|------------------------------------|--------------|
| Zinc, 2-pyridinethiol-1-oxide..... | 37.6%        |
| Other Ingredients.....             | <u>62.4%</u> |
| Total.....                         | 100.0%       |

SEE [SIDE] [BACK] [RIGHT] [LEFT] PANEL FOR FIRST AID AND PRECAUTIONS

MANUFACTURED FOR/BY:

Made in the USA.

EPA Reg. No. 1258-1235

EPA Est. No. [Enter EPA Establishment number]

OMADINE® is a registered trademark of Arch Chemicals, Inc.

A collection of 15 small, stylized line drawings of various birds, arranged in a grid-like fashion. The birds include shorebirds, waterfowl, and songbirds, each depicted in a simple, clean line-art style.

Zinc Omadine ZOE Dispersion Mildewcide

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## FIRST AID:

**If Swallowed:** 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 a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. In case of emergency, for additional information call 1-800-654-6911.

**CHEMICAL HAZARDS:** Do not store or mix with strong oxidizing agents or strong (concentrated) acids. In case of contamination do not reseal container. If possible, isolate container in open or well-ventilated area. Fumes caused by contamination may be hazardous.

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**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. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities

[For containers > 5 gallons or 50 pounds] Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

[For containers < 5 gallons or 50 pounds] Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[illegible]

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**DIRECTIONS FOR USE:** It is a violation of federal law to use this product in a manner inconsistent with its labeling. We recommend that users contact Arch Chemicals Technical Service for formulation assistance.

Overview: A minimum cost effective use level recommendation can only be established through testing of a specific formulation intended for use in a specific application. Formulations differ in their composition and as a result, of their susceptibility to microbial attack. Conditions of use and the performance expectations differ from product to product. A warranted high performance preserved product, for example, that is under consideration for use in severe tropical environments, is likely to need a high dose of biocide. Testing at biocide use levels would be recommended at 3000, 4000 and 5000 ppm. As the product adds cost to the formulation and as performance requirements need to be met, laboratory and field tests are conducted to establish the antimicrobial performance of this product. An unwarranted preserved product that is not intended for use in severe environments would likely need a lower dose. Again, a recommendation would be made for testing at lower concentrations based on formulation, performance and cost considerations.

**{NON- FOOD CONTACT USES:}**

**DRY FILM PRESERVATION: THIS PRODUCT PROTECTS THE APPLIED DRY FILM ITSELF AND DOES NOT PROTECT THE UNDERLYING SURFACE FROM ATTACK BY ALGAE OR BACTERIA.**

**For the Dry Film Preservation of Flooring and Other Non-Food Contact Adhesives, Caulks, Sealants, Grouts and Patching Compounds:**

**Adhesives:** For fungal control add 1900 ppm of this product and for bacterial control add 6100 ppm. (Add 1.9 lbs. of this product to 1000 lbs. of adhesive to control fungus and add 6.1 lbs. per 1000 lbs. of adhesive to control bacteria.)

**Caulks/Sealants:** For fungal control add 5300 ppm of this product and for bacterial control add 12,760 ppm of this product. (Add 5.3 lbs. of this product per 1000 lbs. of caulk/sealant to control fungus, add 12.76 lbs. of this product per 1000 lbs. to control bacteria.)

**Grouts/Patching Compounds:** For fungal control add 2550 ppm of this product and for bacterial control add 10,100 ppm of this product. (Add 2.55 lbs. of this product to 1000 lbs. of grouts/patching compounds to control fungus and 10.1 lbs. of this product per 1000 lbs. to control bacteria.)

**For the Dry Film Preservation of Aqueous Latex and Other Types of Architectural and Industrial Non-Marine Paints and Coatings Including Powder Coatings:** Addition of up to 12,760 ppm of this product can inhibit the growth of algae, bacterial slime, mildew, and other fungi. It can be added at any time during the formulation procedure. For example, the dry film of a house paint having a density of 10 lbs. per gallon can be protected against the growth of algae, bacterial slime, mildew and other fungi by the addition of 12,760 ppm of this product. (Add 12.76 lbs. of this product to 100 gallons of wet paint.)

**\*For the Dry Film Preservation of Residential Latex and other Paints Against Fungus or Algae:** Use a minimum of 6400 ppm of this product. For maximum protection against the growth of fungus or algae, use 12,760 ppm of this product. For control of bacterial growth on the dry paint film surface, use 6400 ppm of this product. (Add a minimum of 6.4 lbs. of this product to 100 gallons of wet paint, with a density of 10 lbs per gallon, to control fungus or algae. Add a maximum of 12.76 lbs. of this product to 100 gallons.)

\*Not approved for use in California

Note: Text in [Square Brackets] are notes to the label reviewer. Text in {Curly Brackets} is optional.

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**\*(For Unit-Dose Packages of 10.4 ml & 49.4 ml unit-dose packets) For the Dry Film Preservation of Residential Latex & Other Paints Against Fungus or Algae in interior/low humidity conditions:**

For each gallon of paint with a density of about 10 gal., use one 10.4 ml packet (0.35 fl oz, 13 grams) which provides a dosage of 3000 ppm of this product. For more severe conditions of exposure to weather or humidity, use 2 packets (which provides a dosage of 6000 ppm of this product). For each 5 gallons of paint, use one 49.4 ml packet (1.66 fl oz, 62 grams) which provides 2800 ppm of this product. For more severe conditions of exposure to weather or humidity, use 2 packets (which provides a dosage of 5600 ppm of this product).

**\*For the Dry Film Preservation of Joint Compounds, Glazing Compounds and Wood Fillers:**

Addition of up to 12760 ppm (12.76 lbs. of this product per 1000 lbs. of formulation) of this product will inhibit microbial growth (bacteria and fungi) in the dry film of these products. This product can be added at any time during the formulation procedure.

**\*For the Control of Mildew and Bacteria In Styrene Butadiene and Natural Rubber and Thermoplastic Resins, and Textiles Used In the Manufacture of the Following Non-Food/Non-Medical Products:**

Rubber bands, Carpet Fibers; Carpet Backings; Rubber or Rubber Backed Bath Mats; Foam Underlay For Carpets; Synthetic, Non-Leather Materials; Foam Stuffing for Cushions and Mattresses; Wire and Cable Insulation; Vinyl, Linoleum and Synthetic Floor Coverings; Wall Coverings; Plastic Furniture; Athletic Flooring and Mats; Mattress Liners, Covers or Ticking; Molding; Mats; Gaskets; Weather Stripping; Coated Fabrics For Furniture Cushions, Boat Covers, Sails, Tents; Tarpaulins; Awnings; Non-Surgical Rubber Gloves; Garbage Bags, Refuse Containers; Bathtub Appliques; Garden Hose; Non-Potable Water Pipe; Ductwork, air filtration components and air filtration media for industrial, hospital, residential, and commercial heating and cooling; Conveyor belts; Shower Curtains; Sponge or Fiber Mops; Toilet Brush Receptacles (Non Bristle Contact); Non-Medical Scrub Brushes; Sink Mats and Drain Boards; Storage Containers; Soap Dish Holders; Towel Bars and Components of Footwear and Toilet Seats. Addition of up to 10100 ppm (10.1 lbs./1000 lbs. of formulation) of this product can inhibit the growth of mildew & bacteria in styrene butadiene rubber & thermoplastic resins such as vinyl chloride-vinyl acetate copolymers, polyurethanes, polyamides, polyolefins, polystyrene, polyesters and acrylonitrile copolymers. It can be added at a time during the formulation procedure that will insure uniform distribution throughout the polymer system. Add by pouring or by use of metering equipment. For example, to inhibit mildew growth in polyurethane footwear components, add 5100 ppm (5.1 lbs./1000 lbs. of formulation) of this product to the polyurethane formulation.

**\*For the In Can Preservation of Latex Emulsions, Clay, Mineral, Pigment and Guar Gum Slurries Used In the Manufacture of Adhesives, Caulks, Patching Compounds, Sealants and Grouts:**

A dosage of up to 12760 ppm of this product is recommended to control bacteria and fungi. This dosage is equivalent to 12.76 lbs. of this product per 1000 lbs. of slurry. It may be added at any time during the formulation procedure.

**\*To Inhibit the Growth of Bacteria and Fungi In Used In the Manufacture of Ceilings, Ceiling Tile, Walls and Partitions:**

Addition of up to 10100 ppm of this product (10.1 lbs. of product per 1000 lbs. of the formulation, i.e., wet slurry) will inhibit the growth of bacterial and fungi. It can be added at any time during the formulation procedure. Alternatively the product may be added to latex or other types of coating systems routinely applied to the surfaces of walls, ceiling tiles, partitions, etc. at the same dosage as above.

\*Not approved for use in California

Note: Text in [Square Brackets] are notes to the label reviewer. Text in {Curly Brackets} is optional.

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**{\*INDIRECT FOOD CONTACT USES:}**

For food packaging adhesives, at use temperatures up to 120°F, and subject to Good Manufacturing Practices, including the conditions specified in 21 CFR 175.105 (a) and (b), add a dosage of 2000 ppm to a maximum of 2600 ppm of this product (2.0 to 2.6 lb. of this product per 1000 lbs. of food packaging adhesive) at a point where thorough mixing will take place.

To control the growth of bacteria and fungi in aqueous paper coatings and paper coatings components including latex, starch solutions, and mineral or pigment slurries (clay, kaolin clay, calcium carbonate, or titanium dioxide) at a dosage not to exceed 1300 ppm of this product in the paper coatings components and not to exceed 250 ppm of this product in the paper coating formulation. Add this product at any point in the paper coating process.

**ZINC OMADINE® ZOE PRODUCT LICENSING & PATENT NOTICE** This product contains ZINC OMADINE® and zinc oxide and may be used in the preparation of paints with zinc oxide in accordance with the label and processes, compositions and methods claimed in U.S. Patents 6,096,122; 5,939,203; 5,883,154; 5,562,995; and 5,518,774; European Patents 0963291; 0857087; and 0807152; and their other corresponding foreign patents. Purchase of this product from Arch Chemicals, Inc. gives the purchaser a nonexclusive license to use this product in the processes, compositions and methods claimed in the above-mentioned patents, and the royalty for this license is incorporated into the purchase price of the product