1258-841 03/15/2006 1/6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Arch Chemicals, Inc.
350 Knotter Drive
Cheshire, CT 06410

MAR 15 2006

Attention: Garrett B. Schifilliti

Subject: **Zinc Omadine 48% Dispersion Industrial Microbiostat**
EPA Registration No. 1258-841
Amendment Application Date: February 13, 2006
EPA Received Date: February 22, 2006

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA section 3 (c) 9. Based on a review of the material, the following comment apply.

- Add "Note to Physician" in the First Aid Statement and add Licensing & Patent Information.

This application is acceptable and has been made a part of the records for this file.

If you have any comments or questions concerning this letter, please contact me at (703) 308-6341 or Portia Jenkins at (703) 308-6230.

Sincerely,

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510C)

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

EPA Form 1320-1A (1/90) *Printed on Recycled Paper* OFFICIAL FILE COPY

"U.S. Government Printing Office: 1992 — 633-280/60572

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Please read instructions on reverse before completing form. Form Approved, OMB No. 2070-0060, Approval expires 5-31-98

EPA — United States Environmental Protection Agency, Washington, DC 20460

☐ Registration ☐ Amendment ☑ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
1258-841	Marshall Swindell	☑ None ☐ Restricted
4. Company/Product (Name)	PM #	
Zinc Omadine 48% Dispersion Industrial Microbiostat	33	

5. Name and Address of Applicant (Include ZIP Code)

Arch Chemicals, Inc.
350 Knotter Drive
Cheshire, CT 06410

☐ *Check if this is a new address*

6. **Expedited Review.** 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

☐ Amendment - Explain below.

☐ Resubmission in response to Agency letter dated _____

☑ Notification - Explain below.

☐ Final printed labels in response to Agency letter dated _____

☐ "Me Too" Application.

☐ Other - Explain below.

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

Notification: Added "Note to Physician" in the First Aid Section (inadvertently omitted from last accepted label).
Added verbiage pertaining to Product Licensing & Patent Information.
Statements highlighted in one copy of submitted labeling.
Certification of Notification enclosed.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ *Paper* ☐ Other (Specify) _____
Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ *Container*		☐ On Label ☐ On Label accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Person *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Garrett B. Schifilliti	Manager, Regulatory Services	(203) 229-3510

Certification

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	3. Title
Garrett B. Schifilliti	Senior Regulatory Manager
5. Typed Name	5. Date
Garrett B. Schifilliti	February 13, 2006

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Arch Chemicals, Inc.
501 Merritt 7
P. O. Box 5204
Norwalk, CT 06856-5204
Tel 203.229.3510

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February 13, 2006

Notification of addition of a statement in the "First Aid" section of the label and addition of Patent and Licensing Information.

Per PR Notice 98-10

Zinc Omadine 48% Dispersion Industrial Microbiostat

EPA Reg. No. 1258-841

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.

Garrett B. Schifilliti
Senior Regulatory Manager

ZINC OMADINE® 48% DISPERSION INDUSTRIAL MICROBIOSTAT

Active Ingredient:	
Zinc, 2-pyridinethiol-1-oxide	48%
Inert Ingredients:	52%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

See Side Panel For First Aid And Precautions

Net Wt 25 Lbs.

ARCH CHEMICALS, INC.
501 MERRITT SEVEN
NORWALK, CT 06856

EPA Reg. No. 1258-841
EPA Est. No. 1258-NY-3

UTIONARY STATEMENTS: RDS TO HUMANS AND DOMESTIC

ALS. DANGER

ve. Causes irreversible eye damage. Harmful llowed or absorbed through skin. Do not get in on skin, or on clothing. Do not breathe spray . Users must wear protective eyewear (goggles, y glasses, or face shield), long sleeved shirt and , pants, socks, chemical resistant gloves and mical resistant footwear. Users must wear a fit ed, NIOSH approved full face respirator equipped th a combination organic vapor/p-100 prefilter. hen mixing and loading, or cleaning equipment, wear chemical resistant apron. Wash thoroughly after handling with soap and water, and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

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.

If in Eyes: 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.

If on Skin or Clothing: 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.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice

Note to Physician:

Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for

GENCY CALL

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.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public 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 our State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not freeze.

Store above 50°F. Keep container tightly closed when not in use. Do not store with strong oxidizing agents or strong (concentrated) acids.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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. Do not reuse empty container.

CONTAINER DISPOSAL:

Metal Containers: Triple rinse. Then offer for recycling or reconditioning, or puncture and dispose o in a sanitary landfill, or by other procedures approve by state and local authorities. Plastic Containe Triple rinse. Then offer for recycling reconditioning, or puncture and dispose of in a sanit landfill, or incineration, or, if allowed by state local authorities, by burning. If burned, stay o smoke.

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.

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

For the Dry Film Preservation of Flooring Adhesives, Caulks, Sealants, Grouts and Patching Compounds:
Flooring Adhesives: For fungal control add 1500 ppm of this product and for bacterial control add 4800 ppm. (Add 1.5 lbs. of this product to 1000 lbs. of adhesive to control fungus and add 4.8 lbs. per 1000 lbs. of adhesive to control bacteria.)

Caulks/Sealants: For fungal control add 4100 ppm of this product and for bacterial control add 10000 ppm of this product. (Add 4.1 lbs. of this product per 1000 lbs. of caulk/sealant to control fungus, add 10 lbs. of this product to control bacteria.)

Grouts/Patching Compounds: For fungal control add 2000 ppm of this product and for bacterial control add 8000 ppm of this product. (Add 2 lb. of this product to 1000 lbs. of grouts/patching compounds to control fungus and 8 lbs. of this product to control bacteria.)

For the Dry Film Preservation of Aqueous Latex and Other Types of Architectural and Industrial Non-Marine Paints and Coatings: Addition of up to 10000 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 10000 ppm of this product. (Add 10 lbs. of this product to 100 gallons of wet paint.)

For the Dry Film Preservation of Residential Latex Paints Against Fungus or Algae: Use a minimum of 5000 ppm of this product. For maximum protection against the growth of fungus or algae, use 10,000 ppm of this product. For control of bacterial growth on the dry paint film surface, use 5000 ppm of this product. (Add a minimum of 5 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 10.0 lbs. of this product to 100 gallons.)

For the Dry Film Preservation of Joint Compounds, Glazing Compounds and Wood Fillers: Addition of up to 10000 ppm (10.0 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 Rubber and Thermoplastic Resins Used In the Manufacture of the Following Products: 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, Tents; Tarpaulins; Awnings; Non-Surgical Rubber Gloves; Garbage Bags, Refuse Containers; Bathtub Appliques; Garden Hose; Non-Potable Water Pipe; Ductwork for industrial, hospital, residential, and commercial heating and cooling; Shower Curtains; Sponge or Fiber Mops; Household Use Sponges; Toilet Brush Receptacles, Toothbrush Receptacles (Non Bristle Contact); Non-Medical Scrub Brushes; Sink Mats and Drain Boards; Storage Containers; Soap Dish Holders; Towel Bars and Components of Footwear.

Addition of up to 8000 ppm (8 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 4000 ppm (4 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 10,000 ppm is recommended to control bacteria and fungi. This dosage is equivalent to 10 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 Dry Wall and Gypsum, Pearlite, Plaster-Like or Mineral Based Building Materials Used In the Manufacture of Ceilings, Ceiling Tile, Walls and Partitions: Addition of up to 8000 ppm of this product (8 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.

To Inhibit Bacterial and Fungal Growth On Laundered Fabrics: Fabrics to be treated include nylon, polypropylene, polyethylene, polyesters, cellulosics and blends of these polymers. At a sour density of 8.3 pounds per gallon, add 6-18 ounces of this product per 1000 lbs dry weight of fabric to reach a use level of 38-112 ppm. Apply to the sour operation and run for a minimum of five minutes. Product is to be used in industrial applications. Product is not intended for use in residential, commercial or institutional settings.

INDIRECT FOOD CONTACT USES:

To Control Growth of Bacteria and Fungi In Adhesives Used For Food Packaging:

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 1500 ppm to a maximum of 2000 ppm of this product (1.5 to 2.0 lb. of this product per 1000 lbs. of food packaging adhesive) at a point where thorough mixing will take place.

ZINC OMADINE® PRODUCT LICENSING & PATENT NOTICE

This product contains ZINC OMADINE® 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.