

1258-1253

10/22/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

October 22, 2008

Keena McCum
Regulatory Specialist
Arch Chemicals, Inc.
1955 Lake Park Drive, Suite 100
Smyrna, GA 30080

Subject: Notification in Accordance with PR Notice 98-10
Vantocil® IB Microbiocide
EPA Registration Number 1258-1253
Application: September 19, 2008
Receipt Date: September 24, 2008

Dear Ms. McCum:

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

Proposed Notification:

- Add language to label to read "Aqueous Based Polymer Latexes, Architectural and Industrial Coatings including Electrocoats and Powder Coatings"

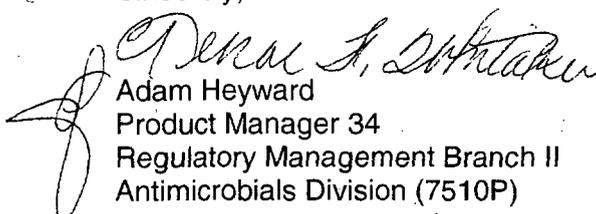
General Comment:

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

The notification application is acceptable.

Should you have any questions concerning this letter, please contact me by telephone at (703) 308-6422 or email address at: heyward.adam@epa.gov, or Renae Whitaker telephone at (703) 308-7003 or email address at: whitaker.renae@epa.gov during the hours of 8:00 am to 3:30 pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,


Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 1258-1253	2. EPA Product Manager Adam Heyward	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Vantocil® IB Microbiocide	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) Arch Chemicals, Inc. 1955 Lake Park Drive, Suite 100 Smyrna, GA 30080 <input type="checkbox"/> 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

<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.)

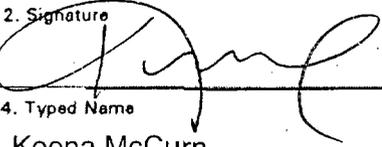
Notification to add language to the Vantocil® IB label to include the use of this product as coatings application. We are merely changing the currently accepted use, "Aqueous Based Polymer Latexes" to read "Aqueous Based Polymer Latexes, Architectural and Industrial Coatings Including Electrocoats and Powder Coatings.

We are also making minor edits to the label concerning how the product name appears in the body of the label and also updating the storage and disposal section per EPA Containers and Containment regulations.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> 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	
<input type="checkbox"/> Label <input type="checkbox"/> Container				<input type="checkbox"/> _____	
6. Manner in Which Label is Affixed to Product				<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Keena McCurn	Title Regulatory Specialist II	Telephone No. (Include Area Code) 770-863-2597
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 Regulatory Specialist II	(Faint circular stamp)
4. Typed Name Keena McCurn	5. Date September 19, 2008	

Arch Chemicals, Inc.
1955 Lake Park Drive
Suite 100
Smyrna, GA 30080
Tel: 770.803.2597
Fax: 770.803.2576



September 19, 2008

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

Attn: Mr. Adam Heyward, Product Manager 34

SUBJECT: Notification Similar Use:
Vantocil® IB Microbiocide, EPA Reg. No.1258-1253

Dear Mr. Heyward:

Enclosed is a Notification for a Similar Use for the above mentioned product. We are merely changing the currently accepted use, "Aqueous Based Polymer Latices" to read "Aqueous Based Polymer Latices, Architectural and Industrial Coatings Including Electrocoats and Powder Coatings.

We are also making minor edits to the label concerning how the product name appears in the body of the label and also updating the storage and disposal section per EPA Containers and Containment regulations.

I have enclosed the following:

1. EPA Form No. 8570-1, Application for Pesticide Registration.
2. PR Notice 98-10 Certification Statement
3. Currently approved label for Vantocil® IB Microbiocide
4. Proposed label for Vantocil® IB with new uses in yellow
5. CD ROM containing the e-label
6. Certification with Respect to Label Integrity Form

Sincerely yours,

Keena McCurn
Regulatory Specialist II
knmccurn@archchemicals.com



NOTIFICATION
Date Reviewed: 10-21-08
Reviewed By: K. Whiteaker

(Center Panel)

VANTOCIL® IB

MICROBIOCIDE

ACTIVE INGREDIENT:
POLY (IMINOIMIDOCARBONYLIMINOIMIDOCARBONYLIMINOHEXAMETHYLENE)
HYDROCHLORIDE.....20%
INERT INGREDIENT.....80%
TOTAL.....100%

WARNING

KEEP OUT OF REACH OF CHILDREN

FIRST AID

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 SWALLOWED: CALL A POISON CONTROL CENTER OR DOCTOR 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.

EMERGENCY NUMBER:
1-800-654-6911.

HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT.

NOTE TO PHYSICIAN
Probably mucosal damage may contraindicate the use of gastric lavage.

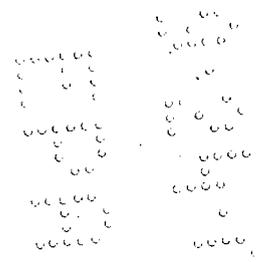
MANUFACTURED BY:

Arch Chemicals Inc.
501 Merritt 7
Norwalk, CT 06856

EPA REG. NO.: 1258-1253
EPA EST. NO.: 1258-TN-01

NET CONTENTS:
LOT NUMBER:
PRODUCT CODE: **84428**

Made In:
VANTOCIL® IB Microbiocide is a registered trademark of Arch UK Biocides LTD.



(Left Panel)

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

WARNING

CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. HARMFUL IF SWALLOWED. DO NOT GET CONCENTRATE IN EYES OR ON CLOTHING. AVOID CONTACT WITH SKIN. AVOID BREATHING VAPOR OR MIST. WEAR GOGGLES OR FACE SHIELD WHEN HANDLING CONCENTRATE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. WASH CLOTHING AND DECONTAMINATE FOOTWEAR BEFORE REUSE. MAY CAUSE ALLERGIC SKIN REACTION.

ENVIRONMENTAL HAZARDS: THIS PESTICIDE IS TOXIC TO FISH. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR OTHER WATERS UNLESS IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND THE PERMITTING AUTHORITY HAS BEEN NOTIFIED IN WRITING PRIOR TO DISCHARGE. DO NOT DISCHARGE EFFLUENT CONTAINING THE 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: PROTECT FROM FROST. IF FROZEN, ALLOW TO THAW AND STIR WELL BEFORE USE.

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 HAZARDOUS WASTE REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDANCE.

CONTAINER DISPOSAL: TRIPLE RINSE AS FOLLOWS: EMPTY 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 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 INFORMATION ON SPILLS,
CALL 1-800-654-6911.**



(Right Panel)

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

VANTOCIL IB MICROBIOCIDE IS A HIGH-ACTIVITY MICROBIOCIDE FOR USE IN APPLICATIONS SUCH AS OIL-IN-WATER AND WATER-IN-OIL EMULSIONS, INDUSTRIAL REAGENTS, SILICONE SYSTEMS AND CELLULOSE SOLUTIONS. VANTOCIL IB MICROBIOCIDE CAN ALSO BE USED FOR THE PRESERVATION OF ANIMAL HIDES AND SKINS.

Silicones: Use Vantocil IB Microbiocide at levels of 100-5,000 parts per million (ppm) (1-50 lbs. per 10,000 lbs of product) for the preservation of silicone systems such as silicone emulsions and silicone dispersions.

Tunnel Preservation: For the preservation of waters used in tunnel pasteurization and tunnel cooling of sealed packages of canned and bottled foodstuffs, use VANTOCIL IB Microbiocide at levels of 100-1,000 ppm (13 fl. oz - 1 gal. of product per 1,000 gal. tunnel pasteurization water).

Aqueous Industrial Chemicals: For the preservation of aqueous industrial chemicals such as reagents, oil-in-water emulsions, water-in-oil emulsions, textile spin finish lubricants, wash water and cellulose solutions, use VANTOCIL IB Microbiocide at levels of 100-5,000 ppm (1-50 lb. VANTOCIL IB Microbiocide per 10,000 lb. product).

Leather Processing: Use Vantocil IB Microbiocide at levels of 100-3,000 ppm (1-30 lbs. of VANTOCIL IB Microbiocide per 10,000 lb. product) for the preservation of leather processing solutions.

Aqueous Mineral Slurries: Use VANTOCIL IB Microbiocide at levels of 500-5,000 ppm (5 -50 lbs. VANTOCIL IB Microbiocide per 10,000 lb. product) for the preservation of aqueous mineral slurries such as calcium carbonate and titanium dioxide. Do not use to preserve slurries used for paper coating compositions that may contact food.

Aqueous Based Adhesives:

Use VANTOCIL IB Microbiocide for the preservation of aqueous based adhesives such as animal glues, latex adhesives based on polyvinyl acetate, PVA, etc., starch, synthetic, dextrin, casein and other glues at a concentration of 500 - 5000 ppm (5 - 50 lbs. VANTOCIL IB Microbiocide per 10,000 lb. product). May be used in aqueous based latex adhesives intended for food packaging applications a maximum use level of 5,000 ppm.

Aqueous Based Polymer Lattices, Architectural and Industrial Coatings including Electrocoats and Powder Coatings

Use VANTOCIL IB Microbiocide at levels of 500-5,000 ppm (5-50 lbs. of Vantocil IB Microbiocide per 10,000 lbs. of product) for the preservation of aqueous based polymer lattices such as polyvinyl acetate and polyvinyl alcohol. Use VANTOCIL IB Microbiocide at levels of 1,000-5,000 ppm (10-50 lbs. of Vantocil IB Microbiocide per 10,000 lbs. of product) for the preservation of architectural and industrial coatings including electrocoat resins and deposition systems.

Do not use to preserve lattices used for paper coating compositions that may contact food.

Household and Consumer Products:

Use VANTOCIL IB Microbiocide at levels of 250 - 2,500 ppm (2.5 - 25 lbs. VANTOCIL IB Microbiocide per 10,000 lb. product) for the preservation of liquid and solid or paste consumer products such as surface cleaners, floor cleaners, disinfectant/sanitizers (non-food contact, hard surface uses), fabric stain removers, fabric softeners, fabric conditioners, laundry detergents, laundry additives, automotive care silicone emulsions and automotive cleaning products.

Preservation of Fresh Animal Hides and Skins: To preserve the integrity of fresh animal hides and skins prior to or during processing, use 15 fluid ounces to 3 gallons. Add the appropriate quantity of VANTOCIL IB Microbiocide (1.0 - 2.6 lbs. of product per 1,000 pounds of hides or skins) to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other portions

of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.

Cat Litter:

Use Vantocil IB Microbiocide at levels of 2,500 – 10,000 ppm (0.25% - 1.0%) for the control of odor causing microorganisms (2.5 -100 lbs. of product per 1,000 lb of cat litter).

Chemical Toilet Deodorants:

Incorporate Vantocil IB Microbiocide at levels of 9-99% in deodorant concentrates. To effectively control odor in portable or chemical toilets, use 250 – 5000 ppm (3.2 to 64 oz/100 gallons).

Cellulosic Materials and Textiles:

VANTOCIL IB Microbiocide can be used as an agent to control the growth and action of microorganisms, and control generation of odors, on textiles such as cotton, cotton blends, cellulosic materials, and synthetic fibers such as non-wovens, tissues, paper and pulps.

VANTOCIL IB Microbiocide is diluted and applied to give 0.025-2.0% on the dry weight of the substrate. Application is by conventional means such as padding, spraying, soaking or exhaustion. The optimum conditions for application of the dilute solution are pH 6.5-8 and temperature of 20-30 C.

The following are examples of products (substrates) suitable for antimicrobial finishing with VANTOCIL IB Microbiocide:

Textiles such as: household products, for example, upholstery, carpet, curtains, wall coverings, mops, dishcloths, yarns, cords, toweling and blankets.

Cellulosics such as: wipes, tissues, sponges, paper products (non-food contact) such as filters and cellulose pulp.

VANTOCIL IB Microbiocide Application rate to apparel items or clothing is not to exceed 2.0% by dry weight of the substrate to be treated.

Apparel items include – slacks, shirts, underwear, sweatshirts, sweatpants, socks, oven mitts, slippers, bathrobes, gloves, hats, scarves, jackets, sheets, pillowcases, incontinence pad cover stock, washable incontinence briefs and panties.

Oil Recovery:

Not for use in oil recovery systems which employ holding ponds for spent liquids. Do not apply in, over or near marine and/or estuarine oil fields.

Specific rates for use of VANTOCIL IB Microbiocide should be determined by bacteriological tests made prior to treatment. These tests should establish (a) the presence of microorganisms, (b) the severity of the problem, and (c) required treating ratio. The effectiveness of a treatment can be evaluated by similar bacteriological tests. The compatibility of VANTOCIL IB Microbiocide with the water should be determined prior to treatment.

Some suggested treatment methods and treating rates for water systems include:

Oil Field Injection Waters

1. Slug Method – When the system is noticeably fouled, apply 4 gallons of VANTOCIL IB Microbiocide per 1,000 barrels of water (95 ppm of product). VANTOCIL IB Microbiocide should be added to the system at a point where it will be uniformly mixed. Repeat on a weekly basis, or as needed to establish control. When microbial control is evident, the treating rate may be lowered to 2 gallons of VANTOCIL IB Microbiocide per 1,000 barrels of water (47 ppm of product) weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.
2. Continuous Method – Before beginning a continuous treatment, apply a slug of 4 gallons of VANTOCIL IB Microbiocide per 1,000 barrels of water (95 ppm of product). Continue treatment by applying 0.15 to 0.8 gallons (19 to 102 ounces) of VANTOCIL IB Microbiocide per 1,000 barrels of water (4 to 20 ppm of product).

Drilling Muds

1. Calculate the total volume of the drilling mud system, and using this volume calculate the number of gallons of VANTOCIL IB Microbiocide needed to produce a concentration of approximately 3,000 ppm. For example, 126 gallons of VANTOCIL IB Microbiocide per each 1,000 barrels of total volume will produce this concentration.
2. While the system is circulating, add the amount of VANTOCIL IB Microbiocide calculated above in a thin stream.
3. As the well depth increases, increasing the total volume of the system, add additional VANTOCIL IB Microbiocide as required to maintain the proper concentration.

Workover Fluids

1. Calculate the total volume of the workover fluid system, and using this volume calculate the number of gallons of VANTOCIL IB Microbiocide needed to produce a concentration of approximately 3,000 ppm. For example, 126 gallons of VANTOCIL IB Microbiocide per each 1,000 barrels of total volume will produce this concentration.
2. Add VANTOCIL IB Microbiocide into the system.
3. Circulate the workover fluid system until the fluid returns clear.
4. Shut the system down and idle for several hours.
5. Remove the workover fluid. The well should be ready for productive use.

Slime Control in Paper Mills:

To control the growth of slime-forming organisms in paper mills that produce paper for non-food contact applications. The preferred method of addition is by slug dosing since this ensures that a high concentration of VANTOCIL IB Microbiocide is present in the system for several hours. Arch Chemicals will perform proven laboratory testing to recommend the proper dosage level and time cycles for your individual system. Dosage levels vary from mill to mill, depending on the furnish employed, the cleanliness of the white water system, and the additional nutrients (for example, starch) that may be present in the furnish.

The following quantities of VANTOCIL IB Microbiocide are suggested for trial:

Slug Feed

Between 50 and 1500 ppm of VANTOCIL IB Microbiocide for each ton of paper produced per cycle. Preferred time cycle of slug feed is 1 hour on and 3 hours off, in a 24 hour day. This preferred addition point is either in the blend chest, broke chest, machine chest or white water system. It is important to avoid direct addition point near an oxidant feed location, as this may interfere with Vantocil performance.

Slime Control in Cooling Towers:

Vantocil IB Microbiocide can also be fed to the fresh water feed for cooling towers and vacuum cooling tower systems. Vantocil IB Microbiocide can be used to control slime-forming organisms in cooling towers used for cooling process water for non-food contact applications.

The following quantities of VANTOCIL IB Microbiocide are suggested for trial:

Fresh Water Feed: Between 50 and 1500 ppm of VANTOCIL IB Microbiocide for each ton of water added to the cooling tower or vacuum tower system for make-up

General

VANTOCIL IB Microbiocide is an effective preservative in most aqueous compositions. The concentration required to give protection depends on factors such as the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access and the type of microorganisms present.

