1258-1253 11/4/2013 Page 1 of 9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

NOV 4 2013

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENTION

Patti Golick
Sr. Regulatory Services Associate
Lonza Inc.
Allendale
90 Boroline Road
Allendale, NJ 07401

Subject: Vantocil IB Microbiocide
EPA Registration No.: 1258-1253
Application Date: October 3, 2013
Receipt Date: October 18, 2013

Dear Ms. Golick:

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

Proposed Notification:

- Add the qualifier statement to uses not approved in California; "Not approved for use in California"
- Move triple-rinse instructions under Container Disposal
- Update/remove minor language from the Directions for Use section

General Comment:

Based on a review of the material submitted, the following comment applies: your notification to update as referenced above is acceptable and a copy has been inserted in your file for future reference.

A copy of this accepted notification has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at campbell.jacqueline@epa.gov or Terria Northern by telephone at (703) 347-0265 or by e-mail at northern.terria@epa.gov during the hours of 8:00am to 4:00pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

Jacqueline Campbell
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

2-7-9

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
1258-1253	Marshall Swindell	☐ None ☐ Restricted
4. Company/Product (Name)	PM#	
Vantocil IB Microbiocide	33	

5. Name and Address of Applicant *(Include ZIP Code)*
Arch Chemicals, Inc.
5660 New Northside Drive, Suite 1100
Atlanta, GA 30328

PLEASE SEND ALL CORRESPONDENCE TO "CONTACT POINT" LISTED BELOW

☐ *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 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: Patti Golick Date: 10/3/13

Section - III

1. Material This Product Will Be Packaged In:

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

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

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

Section - IV

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

Name	Title	Telephone No. (Include Area Code)
Patti Golick	Sr. Regulatory Services Associate	201.316.9293

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.

2. Signature	3. Title	6. Date Application Received
Patti Golick	**Sr. Regulatory Services Associate**	**(Stamped)**
4. Typed Name	5. Date	
Patti Golick	*10/3/13*	

Please read instructions on reverse before completing form.
Form Approved, OMB No. 2070-0060, Approval expires 05-31-98

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

3 7 9

Lonza

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

Patti Golick
Regulatory Services

Tel 201-316-9213
patti.golick@lonza.com

October 3, 2013

SUBJECT: Label Notification as per PR Notice 98-10

PRODUCTS: Vantocil IB Microbiocide (EPA Reg. No. 1258-1253)

Dear Mr. Swindell:

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

- To add the qualifier statement to uses not approved in California; "Not approved for use in California"
- Move triple-rinse instructions under Container Disposal
- To update/remove minor language from the Directions for Use section

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

- Application for Notification
- Certification with Respect to Label Integrity
- CD with label
- One (1) copy of the proposed label with highlighted changes

If you have any questions or need any additional information, please feel free to contact me at patti.golick@lonza.com or 201-316-9293.

Best Regards
Lonza Inc.

Patti Golick
Sr. Regulatory Services Associate

VANTOCIL® IB MICROBIOCIDE

ACTIVE INGREDIENT:
Poly (Iminoimidocarbonyliminoimidocarbonyl iminohexamethylene) hydrochloride. 20%
Inert Ingredients.....80%
Total 100%

EPA Reg. No. 1258-1253
EPA Est. No. 1258-NY-3

KEEP OUT OF REACH OF CHILDREN

WARNING

SEE FIRST AID & ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

MANUFACTURED FOR:
Arch Chemicals, Inc.
5660 New Northside Drive, Suite 1100
Atlanta, GA 30328

Made in the USA.

VANTOCIL® is a registered trademark of Arch UK Biocides Ltd.

Net Weight *{as indicated on container}.*

NOTIFICATION
Date Reviewed: 11/14/13
Reviewed By: L. Anthes

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.

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 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.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

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.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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 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, 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 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] 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] 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.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
This product 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. This product can also be used for the preservation of animal hides and skins.

Silicones: Use this product 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.

[1]**Tunnel Preservation**: For the preservation of waters used in tunnel pasteurization and tunnel cooling of sealed packages of canned and bottled foodstuffs, use this product 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 this product at levels of 100-5,000 ppm (1-50 lb. this product per 10,000 lb. product).

[1]**Leather Processing**: Use this product at levels of 100-3,000 ppm (1-30 lbs. of this product per 10,000 lb. product) for the preservation of leather processing solutions.

Aqueous Mineral Slurries: Use this product at levels of 500-5,000 ppm (5 -50 lbs. this product 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 this product 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. this product 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 this product at levels of 500-5,000 ppm (5-50 lbs. of this product per 10,000 lbs. of product) for the preservation of aqueous based polymer lattices such as polyvinyl acetate and polyvinyl alcohol. Use this product at levels of 1,000-5,000 ppm (10-50 lbs. of this product 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.

[1]**Household and Consumer Products**: Use this product at levels of 250 – 2,500 ppm (2.5 - 25 lbs. this product 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.

[1]**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 this product (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.

[1]**Cat Litter:** Use this product 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).

[1]Not approved for use in California

[1]**Chemical Toilet Deodorants:** Incorporate this product 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).

[1]**Cellulosic Materials and Textiles:** This product 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.

This product 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 this product.:

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.

Application rate of this product 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.

[1]**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 this product 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 this product with the water should be determined prior to treatment.

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

[1]**Oil Field Injection Waters**
1. Slug Method – When the system is noticeably fouled, apply 4 gallons of this product per 1,000 barrels of water (95 ppm of product). This product 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 this product 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 this product 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 this product per 1,000 barrels of water (4 to 20 ppm of product).

[1]Not approved for use in California

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

[1]Workover Fluids
1. Calculate the total volume of the workover fluid system, and using this volume calculate the number of gallons of this product needed to produce a concentration of approximately 3,000 ppm. For example, 126 gallons of this product per each 1,000 barrels of total volume will produce this concentration.
2. Add this product 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.

[1]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 this product 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 this product are suggested for trial:~~

[1]Slug Feed
Add between 50 and 1500 ppm of this product 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 this product's performance.

[1]Slime Control in Cooling Towers:
This product can also be fed to the fresh water feed for cooling towers and vacuum cooling tower systems. This product 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 this product are suggested for trial:~~
~~Fresh Water Feed:~~ Between 50 and 1500 ppm of this product for each ton of water added to the cooling tower or vacuum tower system for make-up.

General
This product 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.

[1]Not approved for use in California