

464-496

8/19/2010

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

AUG 19 2010

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Rhonda Vance-Moeser
Senior Product Stewardship Specialist
Dow Chemical Company
1790 Building, Office 226
Midland, MI 48667

Subject: Antimicrobial 8536
EPA Registration No.: 464-496
Notification Date: 07/28/2010
EPA Receipt Date: 07/30/2010

Dear Ms. Ronda Vance-Moeser,

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

Proposed Notification


Re-ordering first aid statement

General Comments

Based on a review of the submitted materials, your notification for the re-ordering of first aid statements is acceptable and apart of the records on file.

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-mcfarlane.jacqueline@epa.gov or Glen McLeod by telephone at (703) 347-0181 or by e-mail at mcleod.glen@epa.gov. 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-McFarlane
Product Manager
Regulatory Management Branch
Antimicrobials Division (7510P)

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United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464-496	2. EPA Product Manager Jacquie Campbell-McFarlane	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Dow Chemical Company/ Antimicrobial 8536	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 <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: <input checked="" type="checkbox"/> 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 reorder first aid statements to be in same order as other DBNPA products. Reorder to be: If in eyes, If on skin or clothing, if swallowed, and lastly, if inhaled. Agency communicated that this is the order the statement should be in for other DBNPA products. Required Notification statement on enclosed letter.

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
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
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 Rhonda Vance-Moeser		Title Sr. Regulatory Specialist		Telephone No. (Include Area Code) (989) 636-1884	
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 <i>Rhonda Vance-Moeser</i>		3. Title Sr. Regulatory Specialist			
4. Typed Name Rhonda Vance-Moeser		5. Date <i>July 28, 2010</i>			

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3096



The Dow Chemical Company
Midland, MI 48674
U.S.A.

July 28, 2010

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

Overnight Mail

RE: NOTIFICATION – Antimicrobial 8536 - EPA REG. NO. 464 – 496

Dear Ms. Campbell-McFarlane,

The Dow Chemical Company (Dow) hereby submits a Notification to re-order first aid statements on the product label to match that of the other DBNPA products. Specifically:

1) Reorder first aid to If in Eyes, If on Skin or Clothing, If Swallowed and If Inhaled. This order of first aid statements matches that of the other DBNPA products and is reflective of the acute hazards.

In order for the application to be processed the required Notification statement is included below.

“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 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 enforcement action and penalties under section 12 and 14 of FIFRA”

Enclosed are the following documents to support this notification

- 1) Completed application for Pesticide Registration, Form 8570-1.
- 2) Required notification statement above.
- 3) One copy of the label with changes highlighted in yellow and two copies of final printed label.

Please contact me if you have any questions or need additional information.

Sincerely,

Rhonda Vance-Moeser
Senior Product Stewardship Specialist
1790 Building, Office 226
Midland, MI 48667
Phone: (989) 636-1884 e-mail: rgvmoeser@dow.com

Enclosures

4096

ANTIMICROBIAL 8536

Controls bacteria, fungi, and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls algae in industrial recirculating water cooling towers; controls slime-forming bacteria and fungi in air-washer systems.

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

DANGER

CORROSIVE: Causes irreversible eye damage • May be fatal if swallowed. • Causes skin irritation • Harmful if inhaled or absorbed through skin. • Do not get in eyes, on skin or on clothing. • Avoid breathing spray or mist. • When loading or handling wear protective eyewear (goggles or face shield) Wear long-sleeved shirt and long pants, socks, shoes and chemically resistant gloves • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals • Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. • Remove and wash contaminated clothing separately before reuse.

Personal Protective Equipment

Applicators and other handlers must wear:
-coveralls, over long-sleeved shirt and long pants
-socks and chemical resistance footwear
-goggles or face shields
-chemical-resistant gloves (such as barrier, laminate, butyl nitrile/neoprene rubber, pvc or viton)

Engineering Controls

When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

User Safety Requirements

Follow manufacturers' instructions for cleaning & maintaining PPE if no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Application Restrictions

Do not apply this product directly in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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 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: To maintain product quality, store at temperatures below 35°C. Keep container tightly closed when not in 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 your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Container Disposal
Option to use for labels on nonrefillable rigid containers of all sizes:
Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) 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.
Option to use for labels on refillable rigid tote containers.
Refillable container. Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

FOR INDUSTRIAL USE

Active Ingredient(s):

2,2-Dibromo-3-nitrilopropionamide

Inert Ingredient(s):

Total

FIRST AID:

IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice. Have a 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 INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call an emergency responder or an ambulance. If breathing, give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Have product container or label with you when calling a poison control center for treatment.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call co

NOTE TO PHYSICIAN

If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lumen weighed against toxicity when considering emptying the stomach. Chemical eye burns require irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is a thermal burn, after decontamination. No specific antidote. Treatment of exposure should control of symptoms and the clinical condition of the patient.

E.P.A. Registr
E.P.A. Est. XX

NOTIFICATION
Date Reviewed: 8/19/10
Reviewed By: J. [Signature]

Produced For



THE DOW CHEMICAL COMPANY
Midland, Michigan 48674

® TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

NET CONTENTS: XXXX gallons
NET WEIGHT: XXXX lb / XXXX kg
LOT NO:

8536

5066

fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and le-forming bacteria and fungi in air-washer systems.

FOR INDUSTRIAL USE

ve Ingredient(s):

2,2-Dibromo-3-nitropropionamide 5%

art Ingredient(s):

95%

Total 100%

FIRST AID:

EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
ON SKIN OR CLOTHING	<ul style="list-style-type: none"> 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.
SWALLOWED	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice. Have a 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.
INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call an emergency responder or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Keep the product container or label with you when calling a poison control center or doctor or going to hospital for treatment.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400.

NOTE TO PHYSICIAN

If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be guarded against toxicity when considering emptying the stomach. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

E.P.A. Registration No. 464-496
E.P.A. Est. XXX-XX-XXX

NOTIFICATION
Date Reviewed: 8/19/10
Reviewed By: P. McLeod

Produced For



DOW CHEMICAL COMPANY
Midland, Michigan 48674

Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

NET CONTENTS: XXXX gallons
NET WEIGHT: XXXX lb / XXXX kg
DOT NO:

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DIRECTIONS FOR USE

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

NOTE: ADD ANTIMICROBIAL 8536 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF ANTIMICROBIAL 8536 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

fungi, and

PAPER MILLS

For the control of bacterial, fungal, and yeast growths in pulp, paper and paperboard mills, add ANTIMICROBIAL 8536 at the rate of 0.06-0.21 gal/ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of ANTIMICROBIAL 8536 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks.

HEAVILY FOULED SYSTEMS should be boiled out, then treated with 0.06-0.15 gal ANTIMICROBIAL 8536/ton of paper (dry basis), as necessary for control.

MODERATELY FOULED SYSTEMS should be treated continuously with 0.15-0.21 gal Antimicrobial 8536/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.06-0.15 gal ANTIMICROBIAL 8536/ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

SLIGHTLY FOULED SYSTEMS should be treated continuously with 0.06-0.15 gal ANTIMICROBIAL 8536/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add ANTIMICROBIAL 8536 to the fluid in the collection tank. Additions should be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.11 gal ANTIMICROBIAL 8536/1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.44-0.88 gal ANTIMICROBIAL 8536/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods; water-disposal systems, or other oil field water systems, add 4-320 ppm ANTIMICROBIAL 8536 (0.4-28.6 gal ANTIMICROBIAL 8536 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

CONTINUOUS FEED METHOD

When the system is noticeably fouled, add 40-320 ppm ANTIMICROBIAL 8536 (3.6-28.6 gal ANTIMICROBIAL 8536 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 4-60 ppm ANTIMICROBIAL 8536 (0.4-5.4 gal ANTIMICROBIAL 8536 per 2400 barrels of water) continuously or as needed to maintain control.

INTERMITTENT OR SLUG METHOD

When the system is noticeably fouled, or to maintain control of the system, add 40-320 ppm ANTIMICROBIAL 8536 (3.6-28.6 gal ANTIMICROBIAL 8536 per 2400 barrels of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination.

Addition of ANTIMICROBIAL 8536 may be made at the free water knockouts, before or after the injection pumps and injection well headers.

NOTE: FOR CONTROL OF BACTERIA, YEAST, AND FUNGI IN AQUEOUS SOLUTIONS OF BIOPOLYMER USED IN FLOODING OPERATIONS, add 60-320 ppm ANTIMICROBIAL 8536 (5.4-28.6 gal ANTIMICROBIAL 8536 per 2400 barrels of water). Additions of ANTIMICROBIAL 8536 should be made with a metering pump IMMEDIATELY after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add ANTIMICROBIAL 8536 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time of the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

FOR CONTROL OF BACTERIA

Add 0.0038-0.038 gal ANTIMICROBIAL 8536/1,000 gal of water in the system, depending on the severity of contamination

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.019-0.038 gal ANTIMICROBIAL 8536/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident add 0.0095-0.038 gal ANTIMICROBIAL 8536/1,000 gal of water in the system every 4 days, or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.019-0.038 gal ANTIMICROBIAL 8536/1,000 gal of water in the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0038-0.019 gal ANTIMICROBIAL 8536/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.116-0.380 gal ANTIMICROBIAL 8536/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.192-0.380 gal ANTIMICROBIAL 8536/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.116-0.380 gal ANTIMICROBIAL 8536/1,000 gal of water in the system daily, or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled add 0.192-0.380 gal ANTIMICROBIAL 8536/1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this treatment level by pumping a continuous feed of 0.116-0.380 gal ANTIMICROBIAL 8536/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

AIR-WASHER SYSTEMS

Add 0.0078-0.250 gal ANTIMICROBIAL 8536/1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled add 0.156-0.250 gal ANTIMICROBIAL 8536/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0078-0.125 gal ANTIMICROBIAL 8536/1,000 gal of water in the system every 2 days or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.156-0.250 gal ANTIMICROBIAL 8536/1,000 gal of water in the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0078-0.125 gal ANTIMICROBIAL 8536/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

Note: For use only in industrial air-washer systems that maintain effective mist eliminating components.

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doctor.
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doctor or going
89)636-4400.
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No. 464-496
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CHANGES IN YELLOW