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



SEPA United States Environmental Protection Office of Pesticide Programs

OCT -8 2009

The Dow Chemical Company 574 Building, Office 2044 Midland, MI 48674

Attention: Rhonda Vance-Moeser

Senior Regulatory Specialist

Subject: AQUCAR™ 504 Water Treatment Microbiocide

EPA Registration No. 464-707

Notification Dated September 14, 2009

This will acknowledge receipt of your notification to revise the container disposal statement on the label in response to PR Notice 2007-4, submitted under the provisions of FIFRA Section 3(c)(9). 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 made a part of your file.

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

Sincerely

Marshall Swindell

Product Manager (33)

Regulatory Management Branch 1 Antimcrobials Division (7510P)

Martha Lerry Acr

United States Environmental Protection Age Washington, DC 20460			Registrati Amendme	On OPP Identifier Number	
Application	on for i	Pesticide - Sectio	n l		
1. Company/Product Number 464-707		2. EPA Product Manager Marshall Swindell		3. Proposed Classification	
4. Company/Product (Name) Dow Chemical /AQUCAR™ 504 Water Treatment Microbio	ocide	PM# 33		X None Restricted	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674	Œ	1		e with FIFRA Section 3(c)(3) al in composition and labeling	
Check if this is a new address		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.				
Notification to update label in response to PR Notice 2007			ts the required N	lotification statement.	
	Sect	tion - III			
1. Material This Product Will Be Packaged In: Child-Resistant Packaging Yes* No Tertification must Unit Packaging Yes No. per Unit Packaging wgt. No. per Unit Packaging wgt.	Water			onteiner Metal Plastic Slass Paper Other (Specify)	
be submitted	T doku,		' لــــــا	Other (Specify)	
3. Location of Net Contents Information 4. Size(s) Re Label Container	tail Contai	ner S.	Location of Label On Label On Labeling	Directions paccompanying product	
6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled		Other _			
	Sect	ion - IV			
1. Contact Point (Complete items directly below for identification	on of indiv	idual to be contacted, if n	ecessery, to proc	ess this application၂	
Neme Title Sr. R		le Regulatory Specialist		elephone No. (Include Area Code) 989) 636-168∜ 。。°	
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 of the complete o					
2. Signature Rhanda Vauce-Malan	3. Title Sr. Regu	latory Specialist		0000	

Dept. 14, 2009

5. Date

4. Typed Name

Rhonda Vance-Moeser



The Dow Chemical Company Midland, Michigan 48667

September 14, 2009

Overnight Mail

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

RE: NOTIFICATION - EPA REG. NO. 464 - 707 AQUCARTM 504 Water Treatment Microbiocide

To Whom It May Concern:

The Dow Chemical Company (Dow) hereby submits a Notification application to revise the container disposal statement on the label in response to PR Notice 2007-4. In order for the application to be processed the required Notification statement is 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, Pesticide Registration, Form 8570-1.
- 2) One marked copy of the label indicating the change highlighted in yellow.
- 3) Two copies of final label.

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

Sincerely.

Rhonda Vance-Moeser

Em Rhonda Vance-Moeser Senior Regulatory Specialist 574 Building, Office 2044

Midland, MI 48667 Phone: (989) 636-1884

e-mail: rgvmoeser@dow.com

Enclosures

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

QUCAR

Water Treatment Microbiocide

A MICROBIOCIDE FOR USE IN CONTROLLING BACTERIA INCLUDING SLIME FORMING BACTERIA AND SULFATE-REDUCING BACTERIA AND FUNGI (YEAST AND MOLDS) AND ALGAE IN AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, SERVICE WATER AND AUXILIARY SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS INCLUDING THOSE THAT CONTAIN REVERSE OSMOSIS MEMBRANES AND WASTEWATER SYSTEMS INCLUDING WASTEWATER SLUDGE AND HOLDING TANKS.

Active Ingredient: Glutaraldehyde

Inert Ingredients:

96%

Total

100%

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

If swallowed:

- Call CHEMTREC or a doctor immediately for treatment advice.
 DO NOT INDUCE VOMITING.
- · Do not give anything to drink.

- Wash immediately and continuously with flowing water for at least 30 minutes.
 Remove contact lenses after the first 5 minutes and continue washing.
 Obtain prompt medical consultation, preferably from an ophthalmologist.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call CHEMTREC or a doctor for treatment advice.

If inhaled:

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

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Produced for: Dow

EPA Reg. No. 464-707 EPA Est. No. 56485-PA-001

> L14354 (H 04/04) PE0208

The Dow Chemical Company

Midland, Michigan 48674 U.S.A.

င္တစ္ခြင္နိုင္မ်ို (939)-636 4400.

@TM Trademark of The Dow Chemical Company ("Dow") or an affigiated company of Dow Made in U.S.A.

Net Contents: 5 or 55 gallons

CONTAINER SIZE	CONTAIÑER E'ZE		
5 GALLONS	55 GALLONS		
43 POUNDS.	475 POUNDS NET WEIGHT		

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

600 0000

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals.

Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and butyl or nitrile gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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 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 HANDLING

AQUCAR 504 Water Treatment Microbiocide is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AQUCAR 504 Water Treatment Microbiocide can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 25° F (-4° C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 80° F (26.7° C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

BEFORE HANDLING OR USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.



NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

DIRECTIONS FOR USE

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

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.

AQUCAR 504 Water Treatment Microbiocide should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with AQUCAR 504 Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

AQUCAR 504 Water Treatment Microbiocide can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 16 to 32 fluid ounces (1 pint to 1 quart) of AQUCAR 504 Water Treatment Microbiocide per 100 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 8 to 16 fluid ounces (1 cup to 1 pint) of AQUCAR 504 Water Treatment Microbiocide per 100 gallons of water in the system weekly, 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, apply 16 to 32 fluid ounces (1 pint to 1 quart) of AQUCAR 504 Water Treatment Microbiocide per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 4 to 16 fluid ounces (1/2 cup to 1 pint) of AQUCAR 504 Water Treatment Microbiocide per

100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

AQUCAR 504 Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers)
AQUCAR 504 Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

AQUCAR 504 Water Treatment Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 72 to 360 fluid ounces (2.25 to 11.25 quarts)(5,600 to 28,000 ppm) AQUCAR 504 Water Treatment Microbiocide per 100 gallons of wastewater or sludge.

STORAGE AND DISPOSAL
PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. It 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.

Label Option for nonrefillable containers of all sizes
CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container.
Triple or pressure rinse (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or other procedures approved by state and local authorities.

Option to use for labels on refillable containers of all sizes

Refillable container. Refill this container with pesticide only. Do not reuse this 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.