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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

November 17, 2006

Rhonda Vance-Moeser **The Dow Chemical Company** 1803 Building Midland, MI 48674

Subject: Notification Application Per PR Notice 98010 DOWCIDE[™] A ANTIMICROBIAL EPA Registration No. 464-78 Application Date: October 30, 2006 Receipt Date: November 1, 2006

Dear Ms. Vance-Moeser:

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 "Produced For" to the registrant name and address on the product label
- Revise trademark language on the product label

General Comment:

Based on a review of the material submitted, the following comment applies:

The notification application is acceptable.

A copy of the notification is accepted and has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me via email at <u>heyward.adam@epa.gov</u> or by telephone at (703) 308-6422, or Stacey Grigsby via email at <u>grigsby.stacey@epa.gov</u> or by telephone at (703) 308-7496.

Sinderely,

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

Please read instructions o	n reverse before compl	ating form.		Form Ap	proved.	OMB No.	2070-006	- 788 Raile conne 0. Approvel expires 2-2
\$epa	Environmenta	United States I Protect ington, DC 20	-	ncy		Registra Arnend Other		OPP Identifier Numbe
	······································	Applicati	on for I	Pesticide - Sec	tion			
1. Company/Product Num 464-78	ber			2. EPA Product Mar Adam Heyward	nager		r	oposed Classification
4. Company/Product (Name) Dow Chemical / DOWICIDE(TM) A Antimicrobial				PM# 34				
5. Name and Address of A The Dow Chemical Cor 1803 Building Midland, MI 48674	npany	ode)		(b)(i), my product to:	is simi	lar or iden	tical in co	FIFRA Section 3(c)(3 mposition and labeling
Check if fi	his is a new address			Product Name_ tion - II			· ·	
Notification - Expla Explanation: Use additi Notification to 1) add " Mandatory notification 1. Material This Product M Child-Resistant Packaging	sponse to Agency lette in below. fonal page(s) if necessa 'Produced For" above statement is containe 	ry. (For section company nar	ne and add ter accomp Sect	Agency let "Me Too" Other - Exp ction II.) lress and 2) Update banying this notification ion - III	ter date Applica Main bel	tion. low. ark statem	ent on lab	
Yes × No * Certification must `e submitted	X No If "Yes" Unit Packaging wgt	No. per . container			r	× ×	C Plastic Glass	pecify)
3. Location of Net Content Label 6. Manner in Which Label	Container		Skg/55.1 roph rolued	21b/8 oz	×	ation of La On Label On Labeli		aning product
1. Contact Point <i>(Complet</i>	te items directly below i	for identificati			if nece	ssary, to pi	ocess this	application.)
Name Title		Title			Telephona Mc. (Include Area Code) 989-636-1884			
i acknowledge that a both under applicabl		misleading st	l all attachr				•	6. Date Application Received (Stamped)
Rhanda Vonne - Maiser s			Senior Re	Senior Regulatory Specialist				
4. Typed Name 5. Date				A. 31, 3	200	6		

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.



The Dow Chemical Company Midland, Michigan 48674 USA

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Larkin Laboratory October 31, 2006

Overnight Mail

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

RE: NOTIFICATION – EPA REG. NO. 464 – 78 DOWICIDETM A ANTIMICROBIAL

The Dow Chemical Company (Dow) hereby submits a Notification application to: 1) add the qualifier "Produced For" to the registrant name and address on the product label 2) revise the trademark language on the product label In order for the application to be processed the required Notification statement is included.

"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) Two copies of product label with one indicating changes highlighted in yellow.

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

Sincerely,

Rhanda Vance - Mennes

Rhonda Vance-Moeser Senior Regulatory Specialist Phone: (989) 636-1884 e-mail: <u>rgvmoeser@dow.com</u>

Enclosures



862 CRCLJ 9/26/06

DOWICIDETM **AANT** For the control of fungi and bacteria in industrial applications, and for postharvest preservation of pears and citrus fruits.

Active Ingredient(s):	
Sodium o-phenylphenate	
Inert Ingredients:	
Total	
E.P.A. Registration No. 464-78	E.P.A. Est. No. 39967-DEU-001

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals Danger Corrosive To Skin • Injurious To Eyes • Irritating Dust • Harmful If Swallowed • Do Not Get in Eyes, on Skin, or on Clothing • Avoid Breathing Dusts • Wear Goggles or Face Shield and Rubber Gloves When Handling • Wash Thoroughly After Handling

	FIRST AID
IF IN EYES	 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 (preferably ophthalmologist) for treatment advice.
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 30 minutes Call a poison control center or doctor for treatment advice
IF SWALLOWED	 Call poison control center or doctor immediately for treatment advice Have person sip a glass of water if able to do so. Do not induce vomiting unless told to do so by the poison control center or doctor Do not give anything by mouth to an unconscious person
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.
	HOT LINE NUMBER
IN CASE OF AN 989-636-4400.Ha doctor or going fo	EMERGENCY endangering life or property involving this product, call collect ave the product container or label with you when calling a poison control center or or treatment
AL-1- A- DI 1 -	

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

NET WT.: 25 kg/55.12 lb

LOT

COLORS: PMS 485 Red, PMS Black CHEC INITIALS: CH

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic org. discharge effluent containing this product inte ponds, estuaries, oceans or other waters unl accordance with the requirements of a Natio Discharge Elimination System (NPDES) perr permitting authority has been notified in writi discharge. Do not discharge effluent contain sewer systems without previously notifying tf treatment plant authority. For guidance conta Water Board or Regional Office of the EPA. I contaminate water by cleaning of equipment wastes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed b disposal.

Storage - Keep package tightly closed wh Pesticide Disposal - Pesticide wastes are a Improper disposal of excess pesticide, spray rinsate is a violation of Federal Law. If these cannot be disposed of by use according to la instructions, contact your State Pesticide or Control Agency, or the Hazardous Waste rep nearest EPA Regional Office for guidance. Container Disposal - Completely empty ba equipment. Then dispose of empty bag in a by incineration or, if allowed by state and loc

by incineration or, if allowed by state and loc burning. If burned, stay out of smoke. NOTICE

Do Not Ship or Store with Food, Feeds, D

4260852-10/16/06

908 24500-L14 Produced for:



THE DOW CHEMICAL COMPANY Midland, Michigan 48674 U.S.A.

(989)636-4400 8 [™] Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

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CORROS

BASIC, ORG/

AANTIMICROBIA stharvest preservation of pears and citrus fruits.

ITEMENTS ENVIRONMENTAL HAZARDS This pesticide is toxic to fish and aquatic organisms. Do not mestic Animals discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in To Eves • Irritating accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the Do Not Get in permitting authority has been notified in writing prior to Avoid Breathing discharge. Do not discharge offluent containing this product to Shield and sewer systems without previously notifying the local sewage q • Wash treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes. STORAGE AND DISPOSAL Do not contaminate water, food, or feed by storage or tes disposal. tinue rinsing eye. Storage - Keep package tightly closed when not in use. :reatment advice. 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 /ice nearest EPA Regional Office for guidance. Container Disposal - Completely empty bag into application center or doctor equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by ourning. If burned, stay out of smoke. NOTICE tificial respiration. Do Not Ship or Store with Food, Feeds, Drugs, or Clothing 906 24500-L14 4260852-10/16/06 Label A Produced for: Il collect Dow trol center or THE DOW CHEMICAL COMPANY Midland, Michigan 48674 U.S.A. lavage.

(989)636-4400 S To Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow



See Direction for Use adjacent to the Dowicide .

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ITIMICROBIAL is fruits.

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CORROSIVE SOLID. nd aquatic organisms. Do not BASIC, ORGANIC N.O.S. his product into lakes, streams, (SODIUM O-PHENYLPHENATE) her waters unless in UN3263 ants of a National Pollutant PG III (NPDES) permit and the notified in writing prior to filuent containing this product to isly notifying the local sewage juidance contact your State e of the EPA. Do not 1 of equipment or disposal of 5// bod, or feed by storage or itly closed when not in use. e wastes are acutely hazardous. esticide, spray mixture, or I Law. If these wastes according to label e Pesticide or Environmental lous Waste representative at the or guidance. stely empty bag into application mpty bag in a sanitary landfill or y state and local authorities, by smoke. ood, Feeds, Drugs, or Clothing 52-10/16/06 Label A OMPANY oany ("Dow") See Direction for Use adjacent to the Dowicide A label

DOWICIDE A ANTIM For the control of fungi and bacteria in industrial applications, and for postharvest preservation of pears and a

DIRECTIONS FOR USE

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

Only for (1) postharvest preservation of pears and citrus fruits or industrial uses as specified on this label; (2) uses for which USEPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; or (3) uses for experimental purposes that are in compliance with USEPA requirements.

If exposed to air for prolonged periods, this material may give a cloudy solution in water. Such cloudiness may be minimized by adding sufficient caustic (sodium hydroxide).

DOWICIDE A Antimicrobial, when used according to good manufacturing practices, meets the requirements of the FDA for use in resinous and polymeric coatings: can end cements [21 CFR 175.300(b)(3)(xxxi)]; adhesives [21 CFR 175.105(c)(5)]; animal glue [21 CFR 178.3120(d)(3)]; zinc-silicon dioxide matrix coatings [21 CFR 175.390(b)(2)]; components of paper and paperboard in contact with aqueous and fatty foods [21 CFR 176.170(b)(2)]; components of paper and paperboard in contact with aqueous and fatty foods [21 CFR 176.170(b)(2)]; components of paper and paperboard in contact with the manufacture of paper and paperboard [21 CFR 176.210(d)(3)]; and closures with sealing gaskets for food containers [21 CFR 177.1210(b)[5)].

NOTE: PRODUCERS USING THIS PRODUCT PESTICIDES ARE RESPONSIBLE FOR OBTA REGISTRATION FOR THEIR FORMULATED F

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POSTHARVEST PRESERVATION - PEARS AN For postharvest preservation of pears and citru-3.09% DOWICIDE A by wt in an aqueous solut approved wax emulsion. Apply by spraying, dip

INDUSTRIAL APPLICATIONS

DOWICIDE A may be used during the production of products for household, institutional and industrial uses.

Application	Purpose	Suggested Concentration of DOWICIDE A	How to Apply	Application	
Adhesives	To protect adhesives based on starch, protein, natural and synthetic gums, and natural and synthetic rubber latex from detarloration during manutacture, storage, and service life.	0.05-1.0% by wt of DOWICIDE A.	Add as a concentrated aqueous solution to the formulation.	Textiles	
Ceramic Glazes and Clay Slips	To prevent bacterial decomposition.	0.05-0.19% by wt of formulation.	Add to ingredients of formulation as they are charged into ball mill.	Wood and wood products NOT REGISTERED	
Chemical Toilets	To control odors in chemical toilets on buses, trains, and airplanes.	1.0-1.5 oz per quart of water.	Dissolve antimicrobial in water.	FOR THIS USE IN CALIFORNIA	
Construction Material Preservation NOT REGISTERED FOR THIS USE IN CALIFORNIA	To control the growth of fungi and bacteria in building materials such as mastica, caulks, joint caments, spackling, grouting and concrete admixtures.	0 025 - 0.4% by wt of formulation.	Add at a suitable point during the manufacture. DOWICIDE A may be premixed with water prior to addition to reduce incorporation time into the formulation.	Polymers and plastics NOT REGISTERED FOR THIS USE IN CALIFORNIA	
Fire Extinguisher Solutions			wt of solution Add antimicrobel to solution.		
Floor Wax Emulsions	For shell preservation.	Add 0.1-0.5% by wt of emulsion.	Add to water phase of emulsion during formulating process.	NOT REGISTERED FOR THIS USE IN	
Ink	For shell preservation of dextrin-based watercolor printing inks.	0.025 - 0.5% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.	CALIFORNIA	
Polymer Latex Dispersions and Emulsions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To preserve synthetic and natural polymer latices in manufacture and storage; including acrylic, styrenebutadiene, ethylene/vnylacetate, vinyl/acrylic and biopolymer based systems	Add 0.1 + 1.0% by wt of emulsion.	Add to the fatex or solutions slowly with agriation by premixing into a concentrated aqueous solution.	Photographic solutions NOT REGISTERED FOR THIS USE IN CALIFORNIA	
Laundry Starch	To preserve liquid starch during shelf and use life.	0.025 - 0.2% by wt of formulation.	Add as a concentrated aqueous solution to the formulation.	Dyes, Tints, Pigments and Filler	
Leather	To prevent slippage of hair on furs in scaking liquors; to prevent deterioration of treating and finishing formulations.	One part part 5 parts of water for soaking liquors 0.5% to 1.0% by will for pastes, dressings, and finishes.	Add as a concentrated aqueous solution to the formulation.	Suspensions NOT REGISTERED FOR THIS USE (N CALIFORNIA	
Metalworking Fluids NOT REGISTERED FOR THIS USE IN CALIFORNIA	To prevent decomposition of oils, emulsifying agents, and other components.	Add DOWICIDE A to yield 0.05 to 0.5% by wt. in diluted metalworking fluid.	Add as a concentrated aqueous solution to the use dilution of the metalworking fluid or to the concentrate prior to dilution.	Cleaning Solutions NOT REGISTERED FOR THIS USE IN CALIFORNIA	
Paint	For preservation of decomposable raw material solutions or dispersions during paint manufacturing or storage. For shell preservation of water-based paints.	turing or storage. For shell DOWICIDE A		Wax Emulsions and Polishes NOT REGISTERED	
Polyvinyl Alcohol	To preserve solutions of the alcohol.	0.5-0 6% by wt of solution.	Add antimicrobial to solution.	FOR THIS USE IN	
Pulp and Paper	To preserve coatings, sizings, and printing colors based on starch, animal and vegetable protein, and latex.	0.1-1.0% by wt of material preserved	Add as a concentrated aqueous solution.	CALIFORNIA	
Siurnes NOT REGISTERED FOR THIS USE IN CALIFORNIA	To control the growth of lungi and bacteria in aqueous based slumes.	Add 0 015 - 0 6% by wt of skirty	Add as a concentraled aqueous solution at a suitable point during the manufacture, container loading/filling, shipment or storage of the slurry		

INDUSTRIAL APPLICATIONS continued

during storage

rubber.

service life

service life

service lite

vice life

service life

Ригрозе

To preserve processing materials and fin

To protect from mold, mildew, and sapsta

To protect the following systems from de manufacture, storage and service life: ac polyvinylacetate (PVA), vinyl/acrylic-base

polyester-based, polyurethane-based, ot

To protect from deterioration during man

To protect from deterioration during man

To protect from deterioration during man

To protect from detenoration during mar

To protect from detenoration during man

COLORS: PMS 48	35 Red,	PMS	Black
CHEC INITIALS: C	Н		

DE A ANTIMICROBIAL

I applications, and for postharvest preservation of pears and citrus fruits.

A Antimicrobial, when used according to good ng practices, meets the requirements of the FDA for ous and polymeric coatings: can end cements [21 10(b)(3)(xxxi)]; adhesives [21 CFR 175.105(c)(5)]; [21 CFR 178.3120(d)(3)]; zinc-silicon dioxide matrix CFR 175.390(b)(2)]; components of paper and in contact with aqueous and fatty foods [21 CFR 2)]; components of paper and paperboard in contact d [21 CFR 176.180(b)(1)]; defoaming agents used in ture of paper and paperboard [21 CFR 3)]; and closures with sealing gaskets for food 21 CFR 177.1210(b)(5)]. NOTE: PRODUCERS USING THIS PRODUCT TO FORMULATE PESTICIDES ARE RESPONSIBLE FOR OBTAINING EPA REGISTRATION FOR THEIR FORMULATED PRODUCTS.

POSTHARVEST PRESERVATION - PEARS AND CITRUS FRUITS For postharvest preservation of pears and citrus fruits, use 0.05-3.09% DOWICIDE A by wt in an aqueous solution or in an approved wax emulsion. Apply by spraying, dipping, or flooding. Notice: 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 (except uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration) 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.

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906 42260852-10/30/06 Label B 24500-L14

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entration E.A	How to Apply
DWICIDE A.	Add as a concentrated aqueous solution to the formulation
simulation	Add to ingredients of formulation as they are charged into ball mill
f water.	Dissolve antimicrobial in water.
formulation.	Add at a suitable point during the manufacture. DOWICIDE A may be pramixed with water prior to addition to reduce incorporation time into the formulation.
lution.	Add antimicrobial to solution.
f emulsion.	Add to water phase of emulsion during formulating process
formulation.	Add as a concentrated aqueous solution to the formulation
ol emulsion.	Add to the latex or solutions slowly with agitation by premixing into a concentrated aqueous solution
formulation.	Add as a concentrated equeous solution to the formulation.
s of water for to 1.0% by wi and finishes.	Add as a concentrated aqueous solution to the formulation
yield 0.05 to I metalworking	Add as a concentrated aqueous solution to the use dilution of the metalworking fluid or to the concentrate prior to dilution.
wiot	Add as a concentrated aqueous solution to the formulation.
ution.	Add antimicrobial to solution.
iterial	Add as a concentrated aqueous solution.
wt of slurry	Add as a concentrated aqueous solution at a suitable point during the manufacture, container loading/filling, shoment er storage of the slurry.

INDUSTRIAL APPLICATIONS continued

Application	Purpose	Suggested Concentration of DOWICIDE A	How to Apply
Textiles	To preserve processing materials and finished yarns and cloth during storage.	0.1-0.75% by wt of materials treated.	Add as a concentrated aqueous solution.
Wood and wood products NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from mold, mildew, and sapstain.	Construction woods: 1-4% by wt of solution Pallets, fruit and vegetable pallets 1-3% by wt of solution.	Apply as an aqueous dip, or spray by preparing an aqueous solution.
Polymers and plastics NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect the following systems from deterioration during manufacture, storage and service life: acrylic, PVC, polyvinylacetate (PVA), vinylacrylic-based, styrene butadiene, polyester-based, polyurethane-based, other polymer dispersions, rubber.	0.15-0.7% by whof material to be protected.	Add at a suitable point during the manufacture.
Biopolymens NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from detenoration during manufacture, storage, and service life	0.15-0.3% by wt of material to be protected	Add at a suitable point during the manufacture
Photographic solutions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage, and service life	0.1-0.4% by wt of material to be protected	Add at a suitable point during the manufacture.
Dyes, Tints, Pigments and Filler Suspensions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage, and service life.	0.07-0.3% by wt of materials treated	Add at a suitable point during the manufacture
Cleaning Solutions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage, and service life	0.1-0.6% by will of solution.	Add at a suitable point during the manufacture
Wax Emulsions and Polishes NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage, and service lile	0.1-0.6% by wt of emulsion	Add at a suitable point during the manufacture

Produced for: DOW

THE DOW CHEMICAL COMPANY Midland, Michigan 48674 U.S.A. (989)636-4400

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