



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

November 15, 2006

Ms. Rhonda Vance-Moeser,
Senior Regulatory Specialist
Dow Chemical Company
Midland, Michigan 48674 USA

Subject: Notification Application per PR Notice 98-10
DOWICIL™ QK Antimicrobial
EPA Reg. No. 464-628
Application Date: November 7, 2006
Receipt Date: November 8, 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:


- Notification to add the qualifier "Produced For" to registrant name and address on the product label when produced by a contract manufacturer.
- Notification to revise the trademark language on the product label.

General Comment:

- Based on a review of the material submitted, the following comment applies:
- *This notification is acceptable and a copy has been inserted in your file for future reference.*

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422, or by email at heyward.adam@epa.gov or Killian Swift at (703) 308-6346 or by email at swift.killian@epa.gov

Sincerely,


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



2/4

Larkin Laboratory
November 7, 2006

The Dow Chemical Company
Midland, Michigan 48674
USA

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
Attn: Adam Heyward

**RE: NOTIFICATION – EPA REG. NO. 464 – 628
DOWICIL™ QK-20 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 when produced by a contract manufacturer
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,

Rhonda Vance-Moeser

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

Enclosures

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number 464-628 | 2. EPA Product Manager Adam Heyward | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Dow Chemical / DOWICIL(TM) QK-20 Antimicrobial | 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: 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 1) add "Produced For" above company name and address on label when product produced by contract manufacturer 2) Update trademark statement on label
Mandatory notification statement is contained in cover letter accompanying this notification submission.

Section - III

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Text <input type="checkbox"/> No | | <input type="checkbox"/> Metal | <input checked="" 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 checked="" type="checkbox"/> Container | | 4. Size(s) Retail Container 330 & 55 gal/8oz | | 5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product | | <input checked="" 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 Senior Regulatory Specialist | Telephone No. (Include Area Code) 989-636-1004 |
| 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 Senior Regulatory Specialist | |
| 4. Typed Name Rhonda Vance-Moeser | 5. Date 11/7/06 | |

DOWICIL™ QK-20 Antimicrobial

Reduces microbial contamination in process water, raw materials and formulated consumer, institutional and industrial products. Reduces microbial contamination in wastewater, recycled process water, recycled products, recycled wastewater and equipment cleaning operations.

FOR INDUSTRIAL USE ONLY

| | |
|---------------------------------------|------|
| Active Ingredient(s): | |
| 2,2-Dibromo-3-nitropropionamide | 20% |
| Inert Ingredient(s)..... | 80% |
| Total | 100% |

E.P.A. Registration No. 464-628
E.P.A. Est.

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE OR SKIN BURNS • DO NOT GET IN EYES, ON SKIN OR ON CLOTHING • MAY CAUSE LOSS OF VISIONS • HARMFUL IF ABSORBED THROUGH SKIN • HARMFUL IF SWALLOWED OR INHALED • AVOID BREATHING VAPOR • WEAR GOGGLES OR FACE SHIELD (SAFETY GLASSES) • WEAR PROTECTIVE CLOTHING (LONG-SLEEVE SHIRT AND LONG PANTS, SOCKS PLUS SHOES AND CHEMICAL RESISTANT GLOVES SUCH AS WATERPROOF GLOVES) • WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, OR USING TOBACCO • REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Produced for:



THE DOW CHEMICAL COMPANY
Midland, Michigan 48874 U.S.A.
(989)636-4400

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

| 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 eye. • Obtain prompt medical treatment, preferably from an ophthalmologist. |
| 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 person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. |
| HOT LINE NUMBER | |
| IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400. 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. | |

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 rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, viton)
- For mixing/loading: wear a chemical resistant apron.

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.

General Precautions and Restrictions

Do not apply this product directly in a way that will contact workers or other persons.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
Storage: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.



NOTICE

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

ENVIRONMENTAL HAZARDS

This product is toxic or highly 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. **NOTE:** 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.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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: Do not reuse empty container. Triple rinse (or equivalent). 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.

DIRECTIONS FOR USE

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

NOTE: ADD DOWICIL QK-20 ANTIMICROBIAL SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES PRIOR TO ADDITION IN ORDER TO AVOID DECOMPOSITION OF DOWICIL QK-20 ANTIMICROBIAL DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PROCESS, PRODUCT, WASTEWATER & RECYCLE CLEAN UP

DOWICIL QK-20 Antimicrobial may be used to reduce microbial contamination in process water and raw materials during the formulating phase, or it can be added directly to the final formulated product to reduce microbial contamination prior to packaging. DOWICIL QK-20 Antimicrobial may also be used for treatment of wastewater, recycled process water and materials or recycled wastewater. The required concentration will depend upon the material being treated and the contamination load. Organic load, pH, exposure load and time are matrix effects that impact efficacy of the biocide. You will need to determine the optimum level to use for your system or product within the guidelines given below. Do not use at greater than recommended levels.

Consumer, Household & Institutional Processes & Products
DOWICIL QK-20 Antimicrobial is not intended for use in personal care products.

PROCESS WATER & RAW MATERIAL CLEAN UP

To reduce microbial contamination in process water or raw materials used to make consumer, household or institutional products, add DOWICIL QK-20 Antimicrobial directly to the water or raw material at a concentration of 125-1,000 ppm by weight.

DIRECT PRODUCT ADDITION

To reduce microbial contamination in formulated products such as hard surface cleaners, laundry detergent, fabric softeners and other water based formulations, add 125-250 ppm by weight DOWICIL QK-20 Antimicrobial directly to the product prior to packaging. Thorough mixing is recommended.

Consumer, Household & Institutional Recycle Water, Recycle Product Cleanup & Recycle Wastewater

DOWICIL QK-20 Antimicrobial may be added to recycle process water, a recycle product stream or added to a recycle waste water stream to reduce microbial contamination. Add at a convenient point of uniform mixing. This can be either continuous feed directly into a transfer line or slug fed to the storage container for either wash water or product. Add 125 to 1,000 ppm by weight. This concentration is equivalent to 38 to 303 ml (1.28 to 10.2 fluid oz) DOWICIL QK-20 Antimicrobial per 100 gallons to be treated.

Industrial Processes & Products

PROCESS WATER & RAW MATERIAL CLEAN UP

To reduce microbial contamination in process water or raw materials used to make industrial products, add DOWICIL QK-20 Antimicrobial directly to the process water or raw material at a concentration of 125-2,000 ppm by weight. This includes raw materials and/or products such as aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions and surfactants.

DIRECT PRODUCT ADDITION

To clean up microbial contamination in a final formulated industrial product, add 125-500 ppm by weight DOWICIL QK-20 Antimicrobial directly to the product prior to packaging.

Industrial Recycle Water, Recycle Product Clean Up & Recycle Wastewater

DOWICIL QK-20 Antimicrobial may be added to recycle process water, a recycle product stream or added to a recycle waste water stream to reduce microbial contamination. Add at a convenient point of uniform mixing. This can be either continuous feed directly into a transfer line or slug fed to the storage container for either wash water or product. Add 125 to 2000 ppm by weight. This concentration is equivalent to 38 to 606 ml (1.28 to 20.4 fluid oz) DOWICIL QK-20 Antimicrobial per 100 gallons to be treated.

INDUSTRIAL WASTEWATER SYSTEMS

Not registered for this use in the State of California

Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks

DOWICIL QK-20 Antimicrobial may be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 125-2,000 ppm by weight, this concentration is equivalent to 378 - 6054 milliliters (12.8 - 204.7 fluid oz.) DOWICIL QK-20 Antimicrobial per 1,000 gallons of water.

TANKSIDE ADDITION TO

ELECTRODEPOSITION SYSTEMS

Not registered for this use in the State of California

DOWICIL QK-20 Antimicrobial may be added as a tankside additive in recirculating electrodeposition systems and associated rinse systems to control microbial contamination. DOWICIL QK-20 Antimicrobial should be added into the recirculating rinse system, ultra filter permeate, or final distilled rinse system at a point to insure uniform mixing. Add 125 to 2000 ppm by weight. This concentration is equivalent to 378 - 6054 milliliters (12.8 - 204.7 fluid oz.) of DOWICIL QK-20 Antimicrobial per 1000 gallons of water.

EQUIPMENT CLEANING

Not registered for this use in the State of California

DOWICIL QK-20 Antimicrobial can be used to kill microorganisms present in solution or growing on the surfaces of process equipment such as; reaction vessels, storage tanks and containers, piping and hoses. For standard cleaning of equipment, add 50 to 250 ppm by weight DOWICIL QK-20 Antimicrobial, in an aqueous solution, to process piping or equipment. Heavily fouled solutions or equipment may be treated with up to 2000 ppm of DOWICIL QK-20 Antimicrobial. After treating process equipment with the DOWICIL QK-20, allow the DOWICIL QK-20 solution to be in contact with surfaces for up to four hours.

If bleach is being used for cleaning purposes at 50 to 250 available chlorine, DOWICIL QK-20 Antimicrobial can be used as part of a dual treatment program at 50 to 100 ppm by weight, in combination with sodium hypochlorite. Treat process equipment with chlorine first. Follow this treatment with DOWICIL QK-20 Antimicrobial. Do not combine concentrated sodium hypochlorite solution with DOWICIL QK-20 Antimicrobial.

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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