

464-702

11-20-2007

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

NOV 20 2007



United States
Environmental Protection
Agency

Office of Pesticide Programs

The Dow Chemical Company
1803 Building
Midland, MI 48674

Attention: Maureen Mikszta
Senior Regulatory Specialist

Subject: UCARACIDE 42 Antimicrobial
EPA Registration No. 464-702
Notification Dated October 24, 2007

This will acknowledge receipt of your notification of minor label change, 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

A handwritten signature in black ink that reads "Marshall Swindell" with a stylized flourish at the end.

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)



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 464-702	2. EPA Product Manager M. Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) UCARCIDE 42 Antimicrobial	PM# 33	
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 type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

The Dow Chemical Company is submitting a notification to the label to clarify that Dow is not the producer. The text, "produced for:" has been added to the label. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 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 18U.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 40CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

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"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
5 and 55 gallon and bulk

5. Location of Label Directions

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 Maureen Miksztal	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) 732-563-5586
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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 <i>Maureen Miksztal</i>	3. Title Senior Regulatory Specialist	6. Date Application Received (Stamped)
4. Typed Name Maureen Miksztal	5. Date 9/17/07	

DIRECTIONS FOR USE

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

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

42 Antimicrobial 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 (SE) or continuously. Badly fouled systems can be shock treated with UCARCIDE 42 Antimicrobial. In such conditions, blowdown should be discontinued for up to 24 hours.

42 Antimicrobial can be used in industrial process water systems that contain ultra filtration units, reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

TENT (SLUG DOSE) METHOD

When the system is noticeably fouled, apply 12.7 to 25.5 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system. Repeat until control is achieved.

When microbial control is evident, add 5.1 to 12.7 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system weekly, or as needed to maintain control.

Systems must be cleaned before treatment is begun.

DAILY FEED METHOD

When the system is noticeably fouled, apply 12.7 to 25.5 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system.

Maintain this treatment level by starting a continuous feed of 2.6 to 12.7 fluid ounces of UCARCIDE 42 Antimicrobial per 1,000 gallons of water in the system per day.

Systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

42 Antimicrobial should be used at the same application rates, and in the same manner as above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

Operative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Pasteurizers and Warmers and Once-Through Cooling Water Systems)

42 Antimicrobial should be used at the same application rates, and in the same manner as above. It should be added to the system at a point of uniform mixing such as a basin area, sump or 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)

42 Antimicrobial should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.45 to 2.3 gallons (500 to 2,500 ppm UCARCIDE 42 Antimicrobial) per 1,000 gallons of wastewater or sludge.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

42 Antimicrobial should be added to a paper making system at a point of uniform mixing such as a stock chest, save-all tank, process tank or white-water tank.

When the system is noticeably contaminated, add 0.5 to 3.0 lbs. of UCARCIDE 42 Antimicrobial (0.15 to 1.5 Kg of UCARCIDE 42 Antimicrobial per metric ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to treatment.

When microbial control is evident, add 0.3 to 2.0 lb of UCARCIDE 42 Antimicrobial per ton (0.3 to 0.9 kg of UCARCIDE 42 Antimicrobial per metric ton of pulp or paper (dry basis) as necessary to maintain control.

WATER BASED COATINGS, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

Use in non-food contact coatings only.

1 to 0.6 lbs. of UCARCIDE 42 Antimicrobial per 1,000 lbs. of dry powder to produce a slurry of 100 to 800 ppm as product (based on slurry solids) in the mixed slurry.

WATER FLOODS

42 Antimicrobial should be added to a water flood system at a point of uniform mixing.

When the system is noticeably contaminated, add 100 to 5,000 ppm UCARCIDE 42 Antimicrobial to the system (0.09 to 4.5 gallons UCARCIDE 42 Antimicrobial per 1,000 gallons flood water). Control is achieved.

When microbial control is evident, add 20 to 5,000 ppm UCARCIDE 42 Antimicrobial (0.02 to 0.15 gallons UCARCIDE 42 Antimicrobial per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

42 Antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the mud tank.

Add 50 to 1,000 ppm UCARCIDE 42 Antimicrobial (0.2 to 3.8 gallons UCARCIDE 42 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintain a concentration of 50 to 1,000 ppm UCARCIDE 42 Antimicrobial by adding 0.2 to 2.0 gallons UCARCIDE 42 Antimicrobial per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

42 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating system. Add 50 to 600 ppm UCARCIDE 42 Antimicrobial (0.2 to 2.3 gallons UCARCIDE 42 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treatment in the well between the casing and production tube.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

42 Antimicrobial should be added to a gas production or transmission pipeline via direct injection. Injection should be conducted to ensure maximum distribution of the UCARCIDE 42 Antimicrobial throughout the internal surface of the pipeline. To facilitate application, it may be desirable to dilute the UCARCIDE 42 Antimicrobial with an appropriate solvent immediately before use. Injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Injection wells should be treated with a sufficient quantity of UCARCIDE 42 Antimicrobial to produce a concentration of 500 to 5,000 ppm UCARCIDE 42 Antimicrobial when diluted by the water present in the well. The injection should take place before gas is injected (during the summer). Injections should be weekly, or as needed to maintain control.

Production wells should be treated with a sufficient quantity of UCARCIDE 42 Antimicrobial to produce a concentration of 200 to 2,000 ppm UCARCIDE 42 Antimicrobial when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 100 to 4,000 ppm UCARCIDE 42 Antimicrobial (0.09 to 3.6 gallons UCARCIDE 42 Antimicrobial per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add UCARCIDE 42 Antimicrobial to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient UCARCIDE 42 Antimicrobial should be added to produce a concentration of 0.1 to 1% (0.09 to 0.9 gallon UCARCIDE 42 Antimicrobial per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

SANITIZING NON-FOOD CONTACT SURFACES, FARM, ANIMAL, AND POULTRY HOUSING FACILITIES AND EQUIPMENT

*Not for use in the state of California

DO NOT USE THIS PRODUCT ON FOOD OR FEED

UCARCIDE 42 Antimicrobial is suitable for use on a wide variety of surfaces including stainless steel, aluminum, painted and unpainted concrete, plastic, glazed and unglazed tile and wood.

Product Dilution:

To sanitize vegetative pathogens (including *Klebsiella pneumoniae*, *Salmonella choleraesuis*, *Staphylococcus aureus*, and *Pseudomonas aeruginosa*) and viruses (including *Infectious bursal disease*, *Avian influenza (H5N2)* and *HSN1*), *SARS Associated Coronavirus*, *Porcine circovirus* and *lungus* (including *Aspergillus fumigatus*):

- Remove filth and soil deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable detergent and rinse with water.
- Thoroughly saturate all surfaces using a mop or by spraying with a solution prepared by mixing 0.14 to 0.56 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (1.1 to 4.4 milliliters per liter) to produce a solution containing 0.06% to 0.24% active ingredient. For application against *Porcine circovirus*, mix 0.28 to 0.69 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (2.2 to 5.4 milliliters per liter) to produce a solution containing 0.1 to 0.25% active glutaraldehyde ingredient.
- Allow to stand for at least 5 minutes, or until thoroughly dried.
- Ventilate thoroughly before reuse.
- Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled.

Farm Equipment and Animal Housing Buildings

(poultry & turkey grow-out houses, laying houses, swine production and housing, barns and large animal buildings)

Before applying UCARCIDE 42 Antimicrobial:

- Remove all poultry and other animals and feed from the premises. Remove all portable equipment and empty all feeders and water troughs. If not removed, all treated feeders and waterers must be thoroughly rinsed with potable water prior to re-use.
- Remove all litter and manure from floors and other surfaces. If litter is not removed, allow to stand after treatment with UCARCIDE 42 Antimicrobial for at least ten minutes before repopulation.
- Using suitable commercially available equipment, saturate all surfaces with diluted UCARCIDE 42 Antimicrobial (see Product Dilution, above).
- Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated (See Product Dilution, above).
- Ventilate enclosed spaces.
- Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

Hatchers, Setters, and Chick Processing Facilities

- General sanitizing of environmental surfaces prior to introduction of eggs: Remove all animals from the area. Clean out feeders, fluff, or other debris. Thoroughly saturate all surfaces with a solution prepared by mixing the appropriate amount (see Product Dilution, above) of UCARCIDE 42 Antimicrobial with water. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated. (See Product Dilution, above.) Ventilate thoroughly before reuse.
- Treatment of air and surfaces after introduction of eggs in high humidity hatchers and setters with water spray cooling: Prepare a solution by mixing the appropriate amount of UCARCIDE 42 Antimicrobial with water (see Product Dilution, above). Fog or atomize this solution into setters or hatchers, using appropriate application equipment. Treatment of air and surfaces after introduction of eggs in low humidity hatchers with chilled coil cooling: Fog or atomize this product using appropriate application equipment.

Trays, Racks, Carts, Chick Boxes, Cages, and other Hard Surfaces:

Remove all filth and heavy debris from surfaces by scraping or washing. Prepare a solution by mixing the appropriate amount (see Product Dilution, above) of UCARCIDE 42 Antimicrobial with water. Apply by spraying or immersion, and allow to drain and air dry. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated.

Trucks and other Vehicles

Remove all filth and heavy debris from surfaces by scraping or washing. Spray surfaces with a solution prepared by mixing the appropriate amount (see Product Dilution, above) of UCARCIDE 42 Antimicrobial with water. Allow to air-dry. Allow to stand for at least 5 minutes, or for longer depending on the organisms being treated.

Egg Sanitization

(for treating hatching eggs only)

Prepare a solution by mixing 0.3 fluid ounces of UCARCIDE 42 Antimicrobial with one gallon of water. Place in a bath at 105° to 115°F (40° to 45°C). Place freshly laid eggs in plastic trays and dip briefly (10 to 15 seconds), then allow to drain and air-dry.

SANITIZING NON-FOOD CONTACT SURFACES, INDUSTRIAL EQUIPMENT AND BUILDINGS

*Not for use in the state of California

Before applying UCARCIDE 42 Antimicrobial remove heavy filth and soil deposits from surfaces using a suitable cleaner. Dilute UCARCIDE 42 Antimicrobial to 0.06% to 0.24% active ingredient by mixing 0.14 to 0.56 fluid ounces of UCARCIDE 42 Antimicrobial per gallon of water (1.1 to 4.4 milliliters per liter). Using suitable commercially available equipment, saturate all surfaces with diluted UCARCIDE 42 Antimicrobial. Allow to set for at least five minutes, or for a longer time depending on the organisms being treated (See Product Dilution, above). Ventilate enclosed spaces.

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