



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 27, 2016

Rhonda Vance- Moeser
Product Stewardship Regulatory Manager
The Dow Chemical Company
1501 Larkin Center Drive
200 Larkin, Midland, MI
48674

Subject: Notification per PRN 98-10 – To add the statement not for the use in the “State of California”
Product Name: AQUICAR 504 Water Treatment Microbiocide
EPA Registration Number: 464-707
Application Date: September 19, 2016
Decision Number: 521911

Dear Ms. Vance-Moeser:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Zebora Johnson at (703) 308-7080 or via email at johnson.zebora@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Julie Chao".

Julie Chao, Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

NOTIFICATION

464-707

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/27/2016

AQUCAR™ 504 Water Treatment Microbiocide

DIRECTIONS FOR USE

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

Active Ingredient:

Glutaraldehyde ----- 4%

Inert Ingredients: ----- 96%

TOTAL ----- 100%

FIRST AID

IF SWALLOWED

- Call a 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.

IF IN EYES

- 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 a poison control center or 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, using pocket mask or face protection if via mouth-to-mouth.
- Call a poison control center or a doctor for further treatment advice.

Have product container or label with you when calling a poison control center or doctor or going 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

Inhalation, ingestion or aspiration may cause lung or G-I tract damage. Probable mucosal damage may contraindicate the use of gastric lavage. Chemical eye burns may require extended irrigation. No specific antidote, symptomatic treatment.

E.P.A. Registration No. 464-707
E.P.A. Est. No. XXXX-XX-X

Produced For (used when manufactured by contract manufacturer)



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674

(989) 636-4400

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MADE IN U.S.A.

NET CONTENTS: XX gallons
NET WT: XXX lb / XXX kg
LOT:

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 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.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

Product not registered for this use in the State of California - Optional Statement

AQUCAR 504 Water Treatment Microbiocide should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 6.25 to 37.5 lbs of AQUCAR 504 Water Treatment Microbiocide per 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 initial treatment.

Subsequent Dose: When microbial control is evident, add 3.75 to 25 lbs of AQUCAR 504 Water Treatment Microbiocide per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

Product not registered for this use in the State of California - Optional Statement

(For use in food and non-food contact pigments and filler slurries)
Use from 1.25 to 7.5 lbs. of AQUCAR 504 Water Treatment Microbiocide per 1,000 lbs. of dry powder to produce a concentration from 1,250 to 7,500 ppm as product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

Product not registered for this use in the State of California - Optional Statement

(For use in non-food contact coatings only.)
Use from 1.25 to 7.5 lbs. of AQUCAR 504 Water Treatment Microbiocide per 1,000 lbs. of dry powder to produce a concentration from 1,250 to 7,500 ppm as product (based on slurry solids) in the mixed slurry.

WATER FLOODS

Product not registered for this use in the State of California - Optional Statement

AQUCAR 504 Water Treatment Microbiocide should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 1,250 to 62,500 ppm AQUCAR 504 Water Treatment Microbiocide to the system (1.13 to 55 gallons AQUCAR 504 Water Treatment Microbiocide per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 250 to 62,500 ppm AQUCAR 504 Water Treatment Microbiocide (0.25 to 55 gallons AQUCAR 504 Water Treatment Microbiocide per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

Optional - 3rd party certification label verbiage and symbols in label space outside of FIFRA elements. Example: NSF Certification.

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

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 reaction 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 TFE/ONS 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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or 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. 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

Option - labels for nonrefillable rigid containers of all sizes.

Nonrefillable Container. Do not reuse or refill this container. Triple 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 - labels on refillable rigid 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.

WARRANTY DISCLAIMER

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, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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