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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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WASHINGTON, D.C. 20460

APR 08 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms. Maureen Mikszta
Senior Regulatory Specialist for,
The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: AQUACAR 504 Water Treatment Microbiocide
EPA Registration Number 464-707
Your Submission Dated February 24th, 2004
EPA Received Date February 25th, 2004

The submission referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act(FIFRA), as amended, to modify the first aid for the eye and ingestion section as per PR Notice 2001-1 and to add ventilation information to the storage and handling section, is acceptable.

A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobial Division(7510C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**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 absorbed through skin. Harmful if inhaled. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic 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

AQUCART™ 504 Water Treatment Microbiocide is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AQUCART™ 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 60°F (28.7°C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® 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

AQUCAR™ 504 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 4%
Inert Ingredients:..... 96%
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.

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:

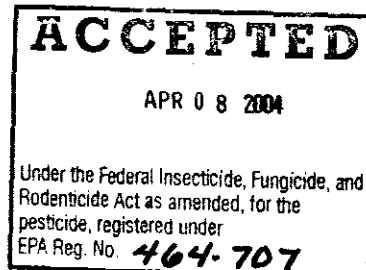
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call CHEMTREC or a doctor for treatment advice.

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.



THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.
1-800-258-CHEM

*Trademark of THE DOW CHEMICAL COMPANY

EPA Reg. No. 464-707
EPA Est. No. 10352-WV-2 (A); 464-WV-1 (B)
(A) 5 gallon pails in pallets; all drums; bulk
(B) Single 5 gallon pails only.

L14354 (H 0204)
Made In USA
PE0204

CONTAINER SIZE	CONTAINER SIZE
55 GALLONS	5 GALLONS
475 POUNDS	43 POUNDS
NET WEIGHT	NET WEIGHT

Net Contents: 5 or 55 gallons

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400.

It is a violation of Federal law

**AIR WASHERS AND INDUSTRIAL
RECIRCULATING COOLING SYSTEMS**

This product may be used only in accordance with the instructions for eliminating components.

AQUCART™ 504 Water Treatment Microbiocide may be used in a water treatment system at a point of intermittent (SLUG DOSE) or continuous application. AQUCART™ 504 Water Treatment Microbiocide should be discontinued for up to 24 hours.

AQUCART™ 504 Water Treatment Microbiocide contains ultra filtration units and compatibility by the membrane manufacturer.

INTERMITTENT USE

Initial Dose: When the system is not in operation, control is achieved.

Subsequent Dose: When microbial growth is observed, AQUCART™ 504 Water Treatment Microbiocide is needed to maintain control. Badly fouled systems must be cleaned.

CONTINUOUS USE

Initial Dose: When the system is not in operation, control is achieved. AQUCART™ 504 Water Treatment Microbiocide should be maintained at a level of (1/2 cup to 1 pint) of AQUCART™ 504 Water Treatment Microbiocide per day.

Badly fouled systems must be cleaned.

SERVICE WATER APPLICATIONS

AQUCART™ 504 Water Treatment Microbiocide should be applied in the same manner as described above. Mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Pasteurizers and Warmers and Other Applications)

AQUCART™ 504 Water Treatment Microbiocide should be applied in the same manner as described above. A basin area, sump area or other circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER TREATMENT

(Wastewater Systems, Wastewater Treatment Plants)

AQUCART™ 504 Water Treatment Microbiocide should be applied in the same manner as described above. convenient point of uniform mixing (5,600 to 28,000 ppm) AQUCART™ 504 Water Treatment Microbiocide in wastewater or sludge.

STC

PESTICIDE DISPOSAL: Do not cut or weld on. Pesticide wastes are a violation of Federal law. If this contact your State Pesticide or your representative at the nearest EPA Field Office for recycling or reconditioning, approved by state and local authorities, by burning. If incinerated. Do not cut or weld on.