

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-757) WASHINGTON, DC 20460	EPA REGISTRATION NO. 10352-33	DATE OF ISSUANCE APR 29 1987
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT AQUICAR® 542 Water Treatment Microbiocide	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) <div style="text-align: center;"> Union Carbide Corporation Specialty Chemicals Division P.O. Box 670 Bound Brook, NJ 08805 </div>		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the agency requires and registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 10352-33." b. State the net contents of this liquid product in terms of liquid measure. There would be no objection to an additional statement in terms of pounds or kilograms. 3. Submit certified limits, the upper and lower limits for the active and inert ingredients in the formulation. Note that for the active ingredients the lower certified limit must be printed on the label and it should be for pure active ingredient. 4. Submit the product chemistry data references listed in our letter of June 5, 1984, items "3a" 1, 2, and 3. <div style="text-align: right; border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> BEST AVAILABLE COPY </div>		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL		DATE

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5. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

(Enclosure

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Proposed AQUACAR® 542 Label
EPA File No. 10352-GG
May 8, 1986

(Center Panel)

UNION CARBIDE

AQUACAR® 542 Water Treatment
Microbiocide

A MICROBIOCIDE FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN AIR WASHERS, RECIRCULATING WATER COOLING TOWERS AND SYSTEMS.

Active Ingredients:	Glutaraldehyde	42.5%
	Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%)	
	dimethyl benzyl ammonium chloride	7.5%
Inert Ingredients:		50.0%
		100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If swallowed: DO NOT INDUCE VOMITING. Give at least two glasses of water. Seek medical advice with urgency.

If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

UNION CARBIDE CORPORATION - SPECIALTY CHEMICALS DIVISION

Danbury, CT 06817 - Offices in Principle Cities
EPA Reg. No. 10352-33
AQUACAR® is a registered trademark of
Union Carbide Corporation
Net Wt. 505 lb. (229 kg)

EPA Est. No. 10352-WV-1
UCC No. _____
Made in USA

PC- _____

ACCEPTED
with COMMENTS
in EPA Letter Dated:

0048E

APR 29 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10352-33

AQUCAR® 542 Label
May 8, 1986

(Right Panel)

DIRECTIONS FOR USE

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

AIR WASHERS AND RECIRCULATING COOLING WATER SYSTEMS

AQUCAR® 542 Water Treatment Microbiocide should be added to a water treatment system at a 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® 542. Under these conditions, blowdown should be discontinued for up to 24 hours.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 11.6-23.2 fluid ounces of AQUCAR® 542 per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 4.6-11.6 fluid ounces of AQUCAR® 542 per 1000 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 11.6-23.2 fluid ounces of AQUCAR® 542 per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.4-11.6 fluid ounces of AQUCAR® 542 per 1000 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 29 1987

Under the Federal Insecticide,
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registered under EPA Reg. No.

10352-33

AQUICAR® 542 Label
May 8, 1986

(Right Panel) (Continued)

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Tests have not been made on all varieties or in all states or under all conditions. **THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE.** This warranty does not extend to, and the Buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.

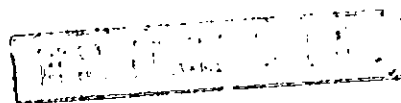
BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

ACCEPTED
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in EPA Letter Dated:

APR 29 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
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10352-33



AQUICAR® 542 Label
May 8, 1986

(Left Panel)

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ACCEPTED
with COMMENTS
In EPA Letter Dated:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

APR 29 1987

Under the Federal Insecticide,
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10352-33

DANGER
Keep Out of Reach of Children

Corrosive. Causes irreversible eye damage and skin damage. May cause skin sensitization.

Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles, protective clothing and rubber gloves. Avoid breathing vapors. 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 public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL PROPERTIES

Specific Gravity at 10/20°C	1.103	Solubility in Water at 20°C	Complete
Vapor Pressure at 20°C	15 mm Hg	Solubility of Water in at 20°	Complete
Freezing Point	-14°C	pH at 25°C	3.1 to 4.5

STORAGE AND HANDLING

AQUICAR® 542 solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -14°C (7°F). 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 can be tolerated but the preferred maximum storage temperature is about 80°F.

A stainless steel centrifugal pump is suggested for transfer service. Asbestos is suitable for gaskets and packing.

STORAGE AND 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 your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL: Metal Containers. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

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