

JUN 21 1988

Union Carbide Corporation
Speciality Chemicals Division
P.O. Box 670
Bound Brook, NJ 08805

Attention: Joan E. Young

Gentleman:

Subject: Amended Application Dated: 11/29/88

UCARCIDE® 125 Antimicrobial	10325-14
UCARSAN® 420 Sanitizer	10325-18
UCARCIDE® 225 Antimicrobial	10325-20
UCARCIDE® 250 Antimicrobial	10325-21
AQUCAR® 545 Water Treatment Microbiocide	10325-22
AQUCAR® 515 Water Treatment Microbiocide	10325-23
UCARCIDE® 150 Antimicrobial	10325-24
UCARCIDE® 145LT Antimicrobial	10325-25
UCARSAN® 4128 Sanitizer	10325-26
UCONEX® 315 Antimicrobial	10325-27
UCONEX® 345 Antimicrobial	10325-28
UCARCIDE® 602 Sterilizing & Disinfecting Solution	10325-29
UCARCIDE® 114 Antimicrobial	10325-30
AQUCAR® 514 Water Treatment Microbiocide	10325-31
UCARCIDE® 142 Antimicrobial	10325-32
AQUCAR® 542 Water Treatment Microbiocide	10325-33
UCARCIDE® 750 Antimicrobial	10325-35
PIROR® 850 Slimicide	10325-37
UCARCIDE® 250 Preservative	10325-38
UCARCIDE® 225 Preservative	10325-39
AQUCAR® 504 Water Treatment Microbiocide	10325-40

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The amendment referred to above, submitted in connection with registration under FIFRA to make changes in the precautionary statements, is acceptable provided that you:

1. Make the following labeling listed below before you release the product for shipment bearing the amended labeling:

a. In lieu of supporting data delete the following statement: "Harmful if inhaled".

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 sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-557-3966.

Sincerely yours,

John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

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See MSDS for exposure limits of components.

Corrosive Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed. May cause skin sensitization.

Do not get in eyes, on skin, on clothing.
Avoid breathing vapors. Do not swallow.

Wear goggles, protective clothing, and rubber gloves.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

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.

Specific Gravity at 20/20°C	1.013	Solubility in Water at 20°C	Complete
Red Vapor Pressure at 20°C	1.9 psia	Solubility in Water at 20°C	Complete
Freezing Point	-1°C	pH at 25°C	3.1 to 4.5

AQUICAR® 504 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 -1°C (30°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. Spiral wound stainless steel with teflon is suitable for gaskets and packing.

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 or Plastic 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. Do not cut, or weld on or near metal containers. Plastic Containers: may be incinerated, if allowed by state and local authorities. If burned, stay out of smoke. Metal Containers: must not be incinerated.

For 1 Gallon Containers—DO NOT REUSE EMPTY CONTAINER (BOTTLES, CANS, BUCKETS). Wrap container and place in trash.



Aquicar™ 504

A MICROBIOCIDICIDE FOR USE IN CONTROLLING SULFIDE FORMING BACTERIA, SULFATE-REDUCING BACTERIA, AND OTHER BACTERIA IN RECIRCULATING WATER COOLING TOWERS AND SYSTEMS, INCLUDING PASTEURIZER COOLING TOWERS AND SYSTEMS, AND CLOSED, RECIRCULATING PROCESS WATER SYSTEMS.

with 0.1% available chlorine
in EPA Label 10352-40
JUN 21 1990

Active Ingredient: Glutaraldehyde
Inert Ingredients:

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IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, get medical attention.
IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink.
Note to Physician: Aspiration may cause lung damage. Probable mucosal damage. Gastric lavage.

Danbury, CT 06817 • Offices in Principal Cities
EPA Reg. No. 10352-40
AQUICAR® is a registered trademark of
Union Carbide Corporation
Net Wt. 485 Lbs. (220 KG)

14354 PRODUCT CODE	CONTAINER SIZE
	55 GALLONS 485 POUNDS NET WEIGHT

IN CASE OF EMERGENCY, TELEPHONE (24 HOURS PER DAY)

484

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Aquacar™ 504 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, INCLUDING PASTEURIZER COOLING WATER SYSTEMS AND INDUSTRIAL CLOSED-RECIRCULATING PROCESS WATER SYSTEMS

with comments in EPA Letter dated JUN 21 1980

Active Ingredient: Glutaraldehyde 4.0%
Inert Ingredients: 96.0%
100.0%

0357-40

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 INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.
IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.
Note to Physician: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Danbury, CT 06817 • Offices in Principal Cities
EPA Reg. No. 10352-40
AQUACAR® is a registered trademark of
Union Carbide Corporation
Net Wt. 486 Lbs. (220 KG)

EPA Est. No. 10352-WV-2
UCC-L 14354 (10/88)
Made in USA

14354 PRODUCT CODE	CONTAINER SIZE
	95 GALLONS
	486 POUNDS NET WEIGHT

IN CASE OF EMERGENCY, TELEPHONE (24 HOURS PER DAY) IN USA 1-800-UCC-HELP.

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

AQUACAR® 504 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 AQUACAR® 504 Water Treatment Microbiocide. Under these conditions blowdown should be discontinued for up to 24 hours.

Initial Dose: When the system is noticeably fouled, apply 16-32 fluid ounces (1 pint - 1 quart) of AQUACAR® 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 8-16 fluid ounces (1 cup - 1 pint) of AQUACAR® 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.

Initial Dose: When the system is noticeably fouled, apply 16-32 fluid ounces (1 pint - 1 quart) of AQUACAR® 504 Water Treatment Microbiocide per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 4-16 fluid ounces (1/2 cup-1 pint) of AQUACAR® 504 Water Treatment Microbiocide per 100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

AQUACAR® 504 Water Treatment Microbiocide should be used in the same application rates, and in the same manner as described above. It should be added to the closed recirculating system at a convenient 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 pasteurizer cooling water system.

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.