

LEFT PANEL

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes burns. Causes eye damage and skin irritation. Avoid breathing vapors. Do not get in eyes, on skin or on clothing. May be absorbed through skin. Wear goggles or face shield and rubber gloves when handling. May be harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency.

PHYSICAL PROPERTIES

Specific Gravity at 20/20°C.....	1.118	Solubility in Water at 20°C.....	Complete
Vapor Pressure at 20°C.....	14.7 mm Hg	Solubility of Water in at 20°C.....	Complete
Freezing Point.....	-17°C	pH at 25°C.....	3.7 to 4.5

STORAGE AND HANDLING

AQUICAR® 545 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 -17°C (1°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

1. PROHIBITIONS - Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
2. PESTICIDE DISPOSAL - Pesticide, spray mixture, or residue that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.
3. CONTAINER DISPOSAL - (a) Recycle container and offer for reconditioning, or (b) Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.
4. GENERAL - Consult Federal, State, or local disposal authorities for approved alternative procedures.

CENTER PANEL

**UNION
CARBIDE**

Aquicar

A MICROBICIDE FOR USE IN CONTROLLING SLIME FORMING BACTERIA, ALGAE IN AIR WASHES SYSTEMS, AND IN RECIRCULATING WATER COOLING BREWERY PASTEURIZER COOLING WATER SYSTEMS, AND INDUSTRIAL CLOSE WATER SYSTEMS.

Active Ingredient: Glutaraldehyde.....
Inert Ingredients:

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL

In case of contact, immediately flush eyes or skin with plenty of water. For eyes call a physician. Remove and wash contaminated clothing. If swallowed, drink promptly a large quantity of milk, eggs, or water. If available, drink large quantities of water. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may occur. Measures against circulatory shock, respiratory depression.

UNION CARBIDE CORPORATION • SPECIAL

Denbury, CT 06817 • Offices in Principal Cities
EPA Reg. No. 10352-22
AQUICAR® is a registered trade mark
of Union Carbide Corporation

NET WT. 229 kg (504 lb)

CENTER PANEL

UNION
CARBIDE

AquacarTM 545

WATER TREATMENT MICROBIOCIDES

A MICROBIOCIDES FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN AIR WASHES SYSTEMS, AND IN RECIRCULATING WATER COOLING TOWERS AND SYSTEMS, INCLUDING BREWERY, PASTEURIZER COOLING WATER SYSTEMS, AND INDUSTRIAL CLOSED, RECIRCULATING PROCESS WATER SYSTEMS.

with COMMENTS
In EPA Letter Dated:

JUN 28 1984

Active Ingredient: Glutaraldehyde.....45.0%
Inert Ingredients:55.0%
100.0%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10352-22

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

BEST DOCUMENT AVAILABLE

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

UNION CARBIDE CORPORATION • SPECIALTY CHEMICALS DIVISION

Danbury, CT 06817 • Offices in Principal Cities
EPA Reg. No. 10352-22
AQUACARTM is a registered trade mark
of Union Carbide Corporation

EPA Est. No. 10352-WV-2
UCC No. 4127-1C
Made in U.S.A.

NET WT. 229 kg (504 lb)

PC-90226

DIRECTIONS
FOR USE

It is a violation of Federal law

AIR WASHERS AND F

This product may be used only in industrial
AQUACARTM 545 Water Treatment Microbiocides
system at a convenient point of uniform mix-
ing continuously. Badly fouled systems can be
discontinued for up to 24 hours.

INTERMEDIATE

Initial Dose: When the system is noticeably
Repeat until control is achieved.

Subsequent Dose: When microbial control
weekly, or as needed to maintain control.

Badly fouled systems must be cleaned before

CLEANING

Initial Dose: When the system is noticeably

Subsequent Dose: Maintain this treatment
of water in the system per day.

Badly fouled systems must be cleaned before

AQUACAR 545 should be used at the s-
above. It should be added to the c-
mixing such as a basin area, sump
treated water will be circulated u-

1. The manufacturer guarantees and warrants
stated within lawful limits and (b) that the d-
responsible experts' evaluation of reasonab-

2. The manufacturer further warrants that it
directed hereon. The manufacturer DOES NOT
WARRANT TO MAKE ANY OTHER WARRANTIES
EXPRESSION, EXPRESS OR IMPLIED. CONC-
Buyer assumes all risks of use, handling, or s-
over's control. No claim of any kind and w-
purchase price of the material in respect of
liable for special, indirect, or consequential

3. No modification of this warranty and discla-
authorized employee of the manufacturer

545 WATER TREATMENT MICROBIOCIDES

with COMMENTS
in EPA Letter Dated:

REDUCING BACTERIA AND
AND SYSTEMS, INCLUDING
RECIRCULATING PROCESS

JUN 28 1984

45.0%
55.0%
100.0%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10352-22

BEST DOCUMENT AVAILABLE
TMENT

of water for at least 15 minutes.
nothing before reuse.

tes, gelatin solution or if these are not
physician immediately.

ontraindicate the use of gastric lavage.
nd convulsion may be needed.

LTY CHEMICALS DIVISION

EPA Est. No. 10352-WV-2
UCC No. 4127-1C
Made in U.S.A.

PC-90226

RIGHT PANEL

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. AQUACAR™ 545 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 AQUACAR™ 545. 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 12.7-25.5 fl. oz. of AQUACAR™ 545 per 1000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 5.1-12.7 fl. oz. of AQUACAR™ 545 per 1000 gal. of water to 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 12.7-25.5 fl. oz. of AQUACAR™ 545 per 1000 gal. of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.6-12.7 fl. oz. of AQUACAR™ 545 per 1000 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

BREWERY PASTEURIZER COOLING WATER SYSTEMS.

AQUACAR 545 should be used at 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.

WARRANTY:

1. The manufacturer guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) 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.

2. The manufacturer further warrants that the material herein is reasonably fit for use under normal conditions as directed hereon. The manufacturer DOES NOT MAKE AND DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES OF FITNESS OR OF MERCHANTABILITY, GUARANTEE, OR REPRESENTATION EXPRESS OR IMPLIED CONCERNING THIS MATERIAL. This product is sold only on the basis that Buyer assumes all risks of use, handling, or storage which result in loss or damage and which are beyond manufacturer's control. No claim of any kind, and whether or not based on negligence, shall be greater in amount than the purchase price of the material in respect of which such claim is made. In no event shall manufacturer or seller be liable for special, indirect, or consequential damages resulting from the use, handling or storage of this material.

3. No modification of this warranty and disclaimer is authorized except by specific reference to them in writing by an authorized employee of the manufacturer.

Union Carbide Corp.
Specialty Chemicals Div.
Old Ridgebury Rd.
Danbury, CT 06817

Attention: Mr. Bill Scott

Gentlemen:

28 JUN 1984

Subject: Aquacar 545 Water Treatment Microbiocide
EPA Registration No. 10352-22
Aquacar 515 Water Treatment Microbiocide
EPA Registration No. 10352-23
Submission Dated June 14, 1984

The amendments and labels referred to above, submitted in connection with registration under FIFRA are acceptable, provided that you:

1. Make the labeling changes listed below before you release the products for shipment bearing the amended labeling.

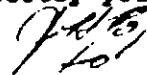
(a) Refer to the enclosures "The Label," and "Type size requirements" for the correct type size (12 point) for the "Keep Out of Reach of Children."

2. 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 label is enclosed for your records.

Sincerely yours,



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

Enclosures

RD:J.Lee:DCR-44241:WANG-0020N:bje:Raven:479-2013:6/25/84

BEST DOCUMENT AVAILABLE

EPA Form 1320-1 (4-81)							
SYMBOL	NAME	DATE	INITIALS	REMARKS	DATE	INITIALS	REMARKS

EPA Form 1320-1 (4-81) OFFICIAL FILE COPY