

Reg # 10352-22 dm 31 143

MAR 12 1986

Union Carbide Corporation
Specialty Chemicals Division
Old Ridgebury Road
Danbury, CT 06817

Attention: Bill Scott

Gentlemen:

Subject: AQUCAR 545 Water Treatment Microbiocide
EPA Registration No. 10352-22
Your Amendment Application Dated November 12, 1985

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - Expand the Environmental Hazards statement to read as follows:

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this active ingredient 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.

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

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CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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.

Sincerely yours,

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

{ Enclosure

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

DANGER

KEEP OUT OF REACH OF CHILDREN

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

Do not get in eyes, on skin or on clothing. Wear goggles, protective clothing, and rubber 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 into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance contact your regional office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.....	3.1 to 4.5

STORAGE AND HANDLING

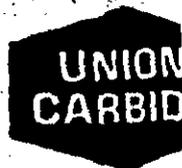
AQUCAR™ 545 solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes 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

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: Plastic Containers. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



**A MICROBICIDE
SYSTEMS, AND IN REI**

If in eyes:
If on skin:
If swallowed:

Inhaled:

UNION CARBIDE

Danbury, CT 06817
EPA Reg. No. 10352
AQUCAR™ is a registered
of Union Carbide Co

NET WT. 229 k

NON
CARBIDE

Aquacar™ 545 WATER TREATMENT MICROBIOCIDES

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

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

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

- eyes: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.
- skin: Wash with plenty of soap and water. Get medical attention.
- inhalation: **DO NOT INDUCE VOMITING.**
Give at least two glasses of water; seek medical advice with urgency.
- inhalation: 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.

CARBIDE CORPORATION • SPECIALTY CHEMICALS DIVISION

817 • Offices in Principal Cities
3352-22
Registered trade mark
of Carbide Corporation

EPA Est. No. 10352-WW2
UCC No. 4127-1C
Made In U.S.A.

ACCEPTED
with COMMENTS
in EPA Letter Dated

1 kg (504 lb)

MAR 12 1986

PC-90228

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

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

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.

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 A 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.

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