

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER
KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. 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 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 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

AQUACAR® 545 Water Treatment Microbiocide solutions are incompatible with 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°F (-17°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 80°F (26.7°C). A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

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 variables 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, EXPRESSED 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.

**BEFORE HANDLING OR USING, READ AND UNDERSTAND
CURRENT UNION CARBIDE MATERIAL SAFETY DATA
SHEET FOR THIS PRODUCT.**

This label is UCC BUSINESS CONFIDENTIAL and shall not be distributed to anyone unless duly authorized by the Manager, Regulatory Affairs.



A MICROBIOCIDE FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN AIRWASHERS 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.
A MOLLUSCICIDE FOR USE IN CONTROLLING MACROFOULING IN SERVICE WATER AND AUXILIARY SYSTEMS AND RECIRCULATING COOLING AND PROCESS WATER SYSTEMS.

Active Ingredient: Gltutaraldehyde 45.0%
Inert Ingredients: 55.0%
100.0%

ACCEPTED
JUL 24 1997

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: Immediately 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.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

UNION CARBIDE CORPORATION

39 Old Ridgebury Road • Danbury, CT 06817-0001
EPA Reg. No. 10352-22
AQUACAR is a registered trademark of Union Carbide
Net Contents 55 gallons

EPA Est. No. 10352-WV-2
UCC-L90226 (F 8/97)
Made In USA
PE0697

90226 PRODUCT CODE	CONTAINER SIZE 55 GALLONS	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	504 POUNDS NET WEIGHT	HAZARD CLASS 8	ID NUMBER 3265	PG II

**EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)
OUTSIDE USA 01-304-744-3487**

REC'D EPA/OPP/DPD1

It is a violation
**AIR WASHERS
RECIRCULATING**

This product may be used on components.

AQUACAR® 545 Water Treatment Microbiocide is a water treatment system made intermittently (SLU). AQUACAR® 545 Water Treatment Microbiocide is up to 24 hours.

AQUACAR® 545 Water Treatment Microbiocide is used in ultra-filtration units and other water treatment systems.

Initial Dose: When the Treatment Microbiocide is first added to the system.
Subsequent Dose: When the Treatment Microbiocide is added to the system.

Initial Dose: When the Treatment Microbiocide is first added to the system.
Subsequent Dose: When the Treatment Microbiocide is added to the system.

SERVICE WATER
AQUACAR® 545 Water Treatment Microbiocide is used in the manner as described above throughout the system.

HEAT TRANSFER
(Evaporative Condensers, Warmers and Once-Through Systems)

AQUACAR® 545 Water Treatment Microbiocide is used in the manner as described above throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

AQUACAR® 545 Water Treatment Microbiocide is used in the manner as described above throughout the system.
MACROFOULING
AQUACAR® 545 Water Treatment Microbiocide is used in the manner as described above throughout the system.
Initial Dose: When macrofoiling is first observed.
Subsequent Dose: When macrofoiling is observed at a level of 1 ppm active ingredient level.

PESTICIDE DISPOSAL
dumping is prohibited. The mixture or rinse is a very hazardous waste and must be disposed of in accordance with the label instructions. Do not reuse the container. Do not reuse the container for other purposes. Then offer for recycling procedures approved by the state and local authorities. Must not be incinerated.

PM-33
Reg # 10352-22
7/24/97
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MENTS
ESTIC ANIMALS

CHILDREN
 Harmful if Inhaled.
 Reactions in some active individuals.

DS
 Info lakes, streams, ponds, parts of a National Pollutant has been notified in writing for systems without previously your State Water Board or

G
 Many commonly used zinc. These solutions can be gel, or reinforced epoxy-plastic storage tank is inside or exposure to high temperatures up to 100°F (37.8°C) 5°F (26.7°C). Round stainless steel with

IMER
 Description on the label; (b) that for use when it is used in other statements on this label effectiveness and of toxicity to or under all conditions. THE AUTHORIZE ANY AGENT OR SELLER OR IMPLIED, AND IT IS A BASIS OF MERCHANTABILITY and to, and the Buyer shall be use of this product in any

EXCLUSIVE LIABILITY FOR DAMAGES ARE CLAIMED. SPECIAL, INDIRECT OR DAMAGES OF THIS PRODUCT.

UNDERSTAND SAFETY DATA

This label is UCC BUSINESS CONFIDENTIAL and shall not be distributed to anyone unless duly authorized by the Manager, Regulatory Affairs.

UNION CARBIDE AQUACAR 545 WATER TREATMENT MICROBIOCIDAL

A MICROBIOCIDAL FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA, AND ALGAE IN AIRWASHERS 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.
 A MOLLUSCICIDE FOR USE IN CONTROLLING MACROFOULING IN SERVICE WATER AND AUXILIARY SYSTEMS AND RECIRCULATING COOLING AND PROCESS WATER SYSTEMS.

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

ACCEPTED
JUL 24 1997

is 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

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.
IF ON SKIN: Immediately 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.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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 Net Contents 55 gallons

EPA Est. No. 10352-WV-2
 UCC-L90226 (F 6/97)
 Made In USA
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90226 PRODUCT CODE	CONTAINER SIZE 55 GALLONS	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	504 POUNDS NET WEIGHT	HAZARD CLASS 8	ID NUMBER 3285	PG II

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)
OUTSIDE USA 01-304-744-3487

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 INDUSTRIAL SCRUBBING SYSTEMS/
 RECIRCULATING COOLING AND PROCESS 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 Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

AQUACAR® 545 Water Treatment Microbiocide can be used in industrial process water systems that contain ultra-filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 14.2 to 28.2 fluid ounces of AQUACAR® 545 Water Treatment Microbiocide per 1000 gallons of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 5.7 to 14.2 fluid ounces of AQUACAR® 545 Water Treatment Microbiocide 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 14.2 to 28.2 fluid ounces of AQUACAR® 545 Water Treatment Microbiocide per 1000 gallons of water in the system.
Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.8 to 14.2 fluid ounces of AQUACAR® 545 Water Treatment Microbiocide per 1000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

AQUACAR® 545 Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers and Once-Through Cooling Water Systems.)

AQUACAR® 545 Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a 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 system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

AQUACAR® 545 Water Treatment Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.5 to 2.5 gallons (500 to 2500 ppm AQUACAR® 545 Water Treatment Microbiocide) per 1000 gallons of wastewater or sludge.

MACROFOULING CONTROL

AQUACAR® 545 Water Treatment Microbiocide should be added continuously to maintain a level of 20 ppm active ingredient in the system for a period of 96 hours.
Initial Dose: When macrofouling is present in the system, apply 5.6 fluid ounces of AQUACAR® 545 Water Treatment Microbiocide per 1000 gallons of water in the system. Continue to add as needed to maintain the 20 ppm active ingredient level for a period of at least 96 hours.

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

REC'D EPA/OPP/DPD1

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