

**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. Do not breathe vapor. Do not swallow. 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

AQUICAR® 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.

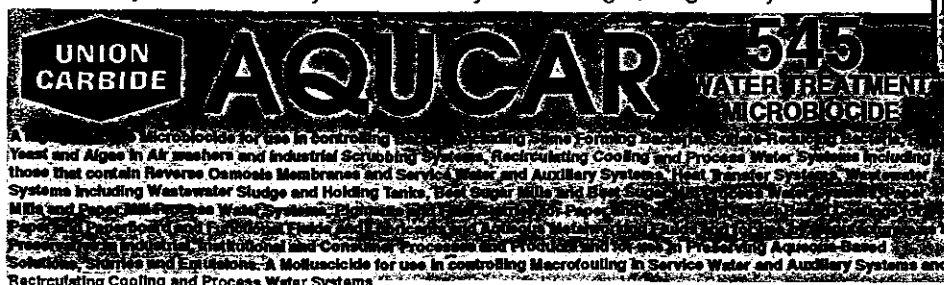
LIMITED WARRANTY AND DISCLAIMER

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 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, 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.



Active Ingredient: Glutaraldehyde 45.0%
Inert Ingredients: 55.0%
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: 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
AQUICAR is a registered trademark
of Union Carbide
Net Contents 55 gallons

EPA Est. No. 10352-WV-2
UCC-L90226 (G 07/99)
Made in USA
PE0799

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

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

ACCERED

AUG 24 1999

DIRECTIONS FOR USE

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the general law to use this product in a manner inconsistent with its labeling.

**FOR 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.

AQUICAR® 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 AQUICAR® 545 Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

AQUICAR® 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 AQUICAR® 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 AQUICAR® 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 AQUICAR® 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 AQUICAR® 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

AQUICAR® 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.)

AQUICAR® 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)

AQUICAR® 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 AQUICAR® 545 Water Treatment Microbiocide) per 1000 gallons of wastewater or sludge.

MACROFOULING CONTROL

AQUICAR® 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 AQUICAR® 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.

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BET SUGAR MILLS AND BET SUGAR MILL PROCESS WATER SYSTEMS

AQUICAR® 545 Water Treatment Microbiocide should be added to the system at a point of uniform mixing such as the diffuser, transport water pump, weir box, or diffuser feed water pump. Additions may be made intermittently (SLUG DOSE) or continuously.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably contaminated, add 6.1 to 15.1 fluid ounces (225 to 560 ppm product) of AQUICAR® 545 Water Treatment Microbiocide per ton or 225 to 560 mL of AQUICAR® 545 Water Treatment Microbiocide per metric ton of sliced beets as a slug dose. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.9 to 9.1 fluid ounces (30 to 300 ppm) of AQUICAR® 545 Water Treatment Microbiocide per ton or 30 to 300 mL of AQUICAR® 545 Water Treatment Microbiocide per metric ton of sliced beets in the system as a slug dose as necessary to maintain control. The total should not exceed 106 gallons per 1000 tons of beets sliced per day.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably contaminated, add 6.1 to 15.1 fluid ounces/minute (225 to 560 ppm product) of AQUICAR® 545 Water Treatment Microbiocide per ton or 225 to 560 mL/minute of AQUICAR® 545 Water Treatment Microbiocide per metric ton of beets sliced per minute in the system via automatic pump of suitable construction.

Subsequent Dose: When microbial control is evident, add 0.9 to 9.1 fluid ounces/minute (30 to 300 ppm) of AQUICAR® 545 Water Treatment Microbiocide per ton or 30 to 300 mL/minute of AQUICAR® 545 Water Treatment Microbiocide per metric ton of beets sliced per minute in the system, or as necessary to maintain control. The total should not exceed 106 gallons per 1000 tons of beets sliced per day.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

AQUICAR® 545 Water Treatment Microbiocide should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 0.6 to 3.3 lbs of AQUICAR® 545 Water Treatment Microbiocide per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.3 to 2.2 lbs of AQUICAR® 545 Water Treatment Microbiocide per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

Add sufficient quantities of AQUICAR® 545 Water Treatment Microbiocide to produce a concentration of 100 to 600 ppm based on slurry solids.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

Add sufficient quantities of AQUICAR® 545 Water Treatment Microbiocide to produce a concentration of 100 to 600 ppm based on slurry solids.

AQUEOUS METALWORKING FLUIDS

AQUICAR® 545 Water Treatment Microbiocide should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be made intermittently (SLUG DOSE) at intervals of one week or less.

Initial Dose: When the system is noticeably fouled apply 2 to 6 gallons of AQUICAR® 545 Water Treatment Microbiocide per 10,000 gallons of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.8 to 4 gallons of AQUICAR® 545 Water Treatment Microbiocide per 10,000 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

WATER BASED CONVEYOR LUBRICANTS

(Brewery, Juice, Dairy, Beverage, and Food Processing Systems)

Thoroughly clean all tracks and conveyors to remove gross soil. Rinse well. Use an automatic feed system as recommended by our UCC representative to provide 1.4 to 8.4 fluid ounces (50 to 300 ppm active) of AQUICAR® 545 Water Treatment Microbiocide per 100 gallons of diluted lubricant.

GENERAL PRESERVATIVE USE

AQUICAR® 545 Water Treatment Microbiocide is recommended for use in aqueous or water containing products and systems, including industrial, institutional and consumer in-can processes and products, to control the growth of bacteria and fungi. For effective preservation, add AQUICAR® 545 Water Treatment Microbiocide to the product formulation at a rate of 0.022% to 0.22% (222.5 to 2,222.5 ppm) based on the water content of the product (0.22 to 2.2 lbs AQUICAR® 545 Water Treatment Microbiocide /1000 lbs water content). Mix uniformly.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add AQUICAR® 545 Water Treatment Microbiocide to the product formulation at a rate such that the diluted end-use product will contain 0.022% to 0.22% AQUICAR® 545 Water Treatment Microbiocide.

At no time during the preservation process should the level of AQUICAR® 545 Water Treatment Microbiocide exceed 2.2%.

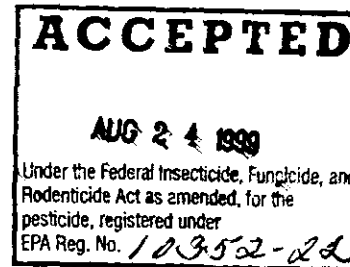
REVERSE OSMOSIS MEMBRANE

For effective preservation of reverse osmosis elements (where approved for compatibility by membrane manufacturer), immerse elements in a tank containing 0.22% to 2.2% AQUICAR® 545 Water Treatment Microbiocide.

AQUICAR® 545 Water Treatment Microbiocide can also be added to in-line recirculating systems for preservation of installed out-of-service reverse osmosis equipment (where approved for compatibility by membrane manufacturer). Add 0.22% to 2.2% AQUICAR® 545 Water Treatment Microbiocide to the tank in the circulating system. Maintain AQUICAR® 545 Water Treatment Microbiocide concentration by periodic addition to counteract any system leakage.

CONCRETE ADMIXTURES

For effective preservation of concrete admixtures, add AQUICAR® 545 Water Treatment Microbiocide to the product formulation at a rate of 2,222 to 8,889 ppm based on the weight of the admixture (2.2 to 8.9 lbs AQUICAR® 545 Water Treatment Microbiocide/1000 lbs. concrete admixture). Mix uniformly.



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