

PM 33

10352-22

11/4/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 04 1999

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

Attn: Joan E. Young
Manager, Regulatory Affairs

Subject: AQUICAR 545 Water Treatment Microbiocide
EPA Registration No. 10352-22

The Agency is in receipt of your submitted final printed label based on the previously accepted draft label dated August 24, 1999. The label has been placed in your product file and not reviewed in accordance with PR Notice 82-2.

If you have any questions concerning this letter, please contact Pam Hasty at (703) 308-7933.

Sincerely,

Martha S. Swindell

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510C)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

BUSINESS CONFIDENTIAL and shall not be distributed to anyone not fully authorized by the Manager, Regulatory Affairs.

QUCAR® 545 WATER TREATMENT MICROBICIDE

In controlling Bacteria including Slime Forming Bacteria, Sulfate-Reducing Bacteria, Fungal Growth, Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems including Membranes and Service Water and Auxiliary Systems, Heat Transfer Systems, Wastewater and Holding Tanks, Beet Sugar Mills and Beet Sugar Mill Process Water Systems, Paper Mills, Pigments and Filler Slurries for Paper and Paperboard, Water Based Coatings for Fluids and Lubricants and Aqueous Metalworking Fluids and for use by Manufacturers as a Disinfectant and Consumer Processes and Products and for use in Preserving Aqueous-Based Products. Also useful for use in controlling Macrofouling in Service Water and Auxiliary Systems and Cooling Water Systems.

Ingredient: Glutaraldehyde 45.0%
 Other Ingredients: 55.0%
 Total 100.0%

OUT OF REACH OF CHILDREN

DANGER

WARNING: STATEMENT OF PRACTICAL TREATMENT

Flush with plenty of water for at least 15 minutes. Get immediate medical attention.

Wash with plenty of soap and water. Get medical attention.

If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

AVOID EYE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

Severe irritation may cause lung damage. Probable mucosal damage may contraindicate the use of certain medications.

SEE PAGE 2 FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

UNION CARBIDE CORPORATION

Yonkers, NY, CT 06817-0001

EPA Est. No. 10352-WV-2

UCC-L90226 (G 08/99)

Yonkers, NY

Made In USA

PE0999

UNION CARBIDE CORPORATION YONKERS, NY 10801	CONTAINER SIZE	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS GLUTARALDEHYDE)	
	55 GALLONS			
DOT CODE	5.4 POUNDS NET WEIGHT	HAZARD CLASS	ID NUMBER	PG II
		8	3265	

4 HOURS PER DAY); IN USA 1-800-UCC-HELP (1-800-822-4357)
 OUTSIDE USA 01-304-744-3487

NOT REVIEWED

In Accordance with PR Notice 82-2.
 Based on Draft Labeling Dated 10/1/99

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.

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 residue 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.

CONTINUED ON PAGE TWO

ATIVE USE

Microbiocide is recommended for use in aqueous or water containing industrial, institutional and consumer in-can processes and products, to *maintain*. For effective preservation, add AQUICAR® 545 Water Treatment Microbiocide at a rate of 0.022% to 0.22% (222.5 to 2,222.5 ppm) based on the weight of the water to 2.2 lbs AQUICAR® 545 Water Treatment Microbiocide/1000 lbs water.

3 CONCENTRATES

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

In process should the level of AQUICAR® 545 Water Treatment Microbiocide be maintained.

MEMBRANE

Microbiocide can be added to reverse osmosis elements (where approved for compatibility by membrane manufacturer) in a tank containing 0.22% to 2.2% AQUICAR® 545 Water Treatment Microbiocide.

Microbiocide can also be added to in-line recirculating systems for reverse osmosis equipment (where approved for compatibility by membrane manufacturer) at a rate of 0.022% to 2.2% AQUICAR® 545 Water Treatment Microbiocide to the tank in which the reverse osmosis equipment is located. Maintain AQUICAR® 545 Water Treatment Microbiocide concentration by periodic testing.

URES

For concrete admixtures, add AQUICAR® 545 Water Treatment Microbiocide at a rate of 2,222 to 8,889 ppm based on the weight of the admixture (2.2 to 8.889 lbs AQUICAR® 545 Water Treatment Microbiocide/1000 lbs. concrete admixture). Mix uniformly.

NOT REVIEWED

In Accordance with FR Notice 82-2
Based on Draft Labeling Dated

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