



AquicarTM

545 A WATER TREATMENT MICROBIOCIDES

A MICROBIOCIDES FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN RECIRCULATING WATER COOLING TOWERS AND SYSTEMS; AND OIL FIELD WATER SYSTEMS SUCH AS, STEAM INJECTION WATER HOLDING TANKS, FLOOD WATER, INJECTION WATER, HOLDING POND WATER, DISPOSAL WELL WATER AND WATER HOLDING TANKS.

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

ACCEPTED
10352-22
JUL 21 1983

Federal Insecticide,
Fungicide, and Rodenticide Act
Endorsed for the pesticide
EPA Reg. No.

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

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
AQUICAR is a registered trade mark of Union Carbide Corporation

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

NET WT. 229 Kg (504 lb)

BEST BEFORE DATE

ST DOCUMENT

1. The product is not to be used for any purpose other than that for which it is registered.
2. The product is not to be used for any purpose other than that for which it is registered.
3. No person shall use the product for any purpose other than that for which it is registered.

A TREATMENT OCIDE

ALGAE IN RECIRCULATING
WATER HOLDING TANKS,
HOLDING TANKS.

ACCEPTED
10352-22
JUL 21 1983
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No.

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ALS DIVISION

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DIRECTIONS FOR USE GENERAL CLASSIFICATION

RECIRCULATING COOLING WATER SYSTEMS

AQUICAR[®] is a water treatment chemical which is used to control algae and bacteria in recirculating cooling water systems. It is a non-toxic, non-hazardous, and non-flammable chemical. It is used to control algae and bacteria in recirculating cooling water systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 12.7-25.5 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 2.6-12.7 fl. oz. of AQUICAR[®] 545 per 1000 gal. 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 12.7-25.5 fl. oz. of AQUICAR[®] 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 AQUICAR[®] 545 per 1000 gal. water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

STEAM INJECTION WATER HOLDING TANKS AND WATER HOLDING TANKS

INTERMITTENT (SLUG DOSE) METHOD:

Initial Dose: When the system is noticeably fouled, apply 12.7-25.5 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 2.6-12.7 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system weekly or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

FLOOD WATER AND INJECTION WATER

INTERMITTENT (SLUG DOSE) METHOD:

Initial Dose: When the system is noticeably fouled, apply 12.7-25.5 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 2.6-12.7 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system weekly or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

FLOOD WATER, DISPOSAL WELL WATER AND HOLDING POND WATER

INTERMITTENT (SLUG DOSE) METHOD:

Initial Dose: When the system is noticeably fouled, apply 12.7-25.5 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 2.6-12.7 fl. oz. of AQUICAR[®] 545 per 1000 gal. of water in the system weekly or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

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 herein. 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.

BEST DOCUMENT AVAILABLE

**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 10/20°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

UCARCIDE™ 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 rinsate 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) Reseal 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.

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