

See MSDS for exposure limits of components.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

DANGER

KEEP OUT OF REACH OF CHILDREN

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

Do not get in eyes, on skin or clothing.

Avoid breathing vapor. Do not swallow.

Wear goggles, protective clothing and rubber gloves.

Avoid breathing vapors. 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 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.

PHYSICAL PROPERTIES

Specific Gravity at 20/20°C 1.03 Solubility in Water at 20°C Complete
Vapor Pressure at 20°C 15 mm Hg Solubility of Water in at 20°C Complete
Freezing Point -14°C pH at 25°C 3.1 to 4.5

STORAGE AND HANDLING

AQUICAR® 542 Water Treatment Microbiocides 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 -14°C (7°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. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

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 this as dust, 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. Do not cut, or weld on or near metal containers. Plastic Containers: may be incinerated, if allowed by state and local authorities. Do not burn. Do not dump out of smoke. Metal Containers: must not be incinerated.



**Aquicar® 542
WATER TREATMENT
MICROBIOCIDES**

ACCEPTED

ACTIVE INGREDIENTS LISTED IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN AIR WASHERS, NETORY WATER SYSTEMS AND RECIRCULATING WATER COOLING TOWERS AND SYSTEMS.

FEB 26 1991

Active Ingredient: Glutaraldehyde 42.5%
Alkyl (C14 50%, C12 40%, C16 10%)
dimethyl benzyl ammonium chloride 7.5%
Inert ingredients 50.0%
10352-331 100.0%

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.

UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC. • SPECIALTY CHEMICALS DIVISION

39 Old Ridgebury Road • Danbury, Ct 06817-0001

EPA Est. No. 10352-WV-2

EPA Reg. No. 10352-33

UCC-L14350-9-90

AQUICAR® is a registered trademark

Made in USA

of Union Carbide Corporation

Net Wt. 505 lb. (229.1 kg)

DOT- SHIPPING NAME	CORROSIVE LIQUID N O S (CONTAINS GLUTARALDEHYDE)	UN 1760 ID NUMBER	14350 PRODUCT CODE	CONTAINER SIZE 55 GALLONS
HAZARDOUS SHIPPING NAME	CORROSIVE LIQUID N O S (CONTAINS GLUTARALDEHYDE)	1760 UN NUMBER		505 POUNDS NET WEIGHT

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

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

AQUICAR® 542 Water Treatment Microbiocide should be added to a water treatment system at a 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® 542 Water Treatment Microbiocide. 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 11.6-23.2 fluid ounces of AQUICAR® 542 Water Treatment Microbiocide per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 4.6-11.6 fluid ounces of AQUICAR® 542 Water Treatment Microbiocide per 1000 gallons 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 11.6-23.2 fluid ounces of AQUICAR® 542 Water Treatment Microbiocide per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.4-11.6 fluid ounces of AQUICAR® 542 Water Treatment Microbiocide per 1000 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

HEAT TRANSFER SYSTEMS

(Evaporative condensers, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers)

AQUICAR® 542 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.

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 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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