

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 14 1995

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

Attention: Ms. Joan E. Young,
Regulatory Affairs Manager

Subject: AQUICAR 514 Treatment Microbiocide
EPA Registration Number 10352-31
Your Submission Dated February 25, 1995
EPA Received Date March 8, 1995

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to amend the Hazard Warnings Statement, is acceptable provided that you make the following labeling revisions:

The heading "Hazards to Humans and Domestic Animals" is acceptable.

Revise the statement "May cause allergic skin reaction" to read " Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

The addition of the statement "Causes asthmatic signs and symptoms in hyper-reactive individuals" to the product labeling is acceptable.

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-305-6966.

Sincerely,



Walter C. Francis
Acting Product Manager(31)

Antimicrobial Program Branch
Registration Division (7505C)

SYMBOL							
SURNAME							
DATE							

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. May cause allergic skin reaction. 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

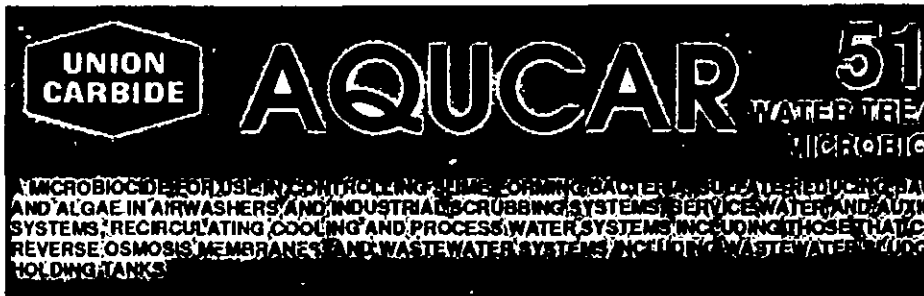
AQUICAR® 514 Water Treatment Microbiocide solutions are incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy plastic equipment. This product freezes at about 27°F (-3°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.



Active Ingredient: Glutaraldehyde 1
Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%)
dimethyl benzyl ammonium chloride 8

Inert Ingredients: 10

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: 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 or call a physician immediately.
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate 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. 10352-31
AQUICAR is a registered trademark
of Union Carbide
Net Contents 55 gallons

EPA Est. No. 10
UCC-L143
Ma

14349	CONTAINER SIZE
	55 GALLONS
PRODUCT CODE	NET WEIGHT
	484 POUNDS

EMERGENCY / CONTACT (24 HOURS PER DAY): IN USA 1-800-450-HELP (1-800-450-4357) :
OUTSIDE USA 01-304-744-3487

FEB 14 1995

BEST AVAILABLE COPY

Union Carbide
Product
Safety
Data
Sheet
10352-31

MENTS
STIC ANIMALS

CHILDREN
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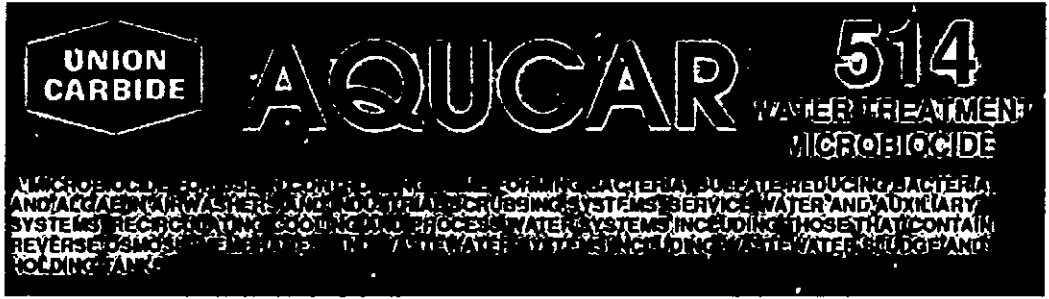
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 f, exposure to high temperatures
 atures of up to 100°F (37 °C)
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AIMER
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 AUTHORIZE ANY AGENT OR
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 TIES OF MERCHANTABILITY
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CH DAMAGES ARE CLAIMED.
OR SPECIAL, INDIRECT OR
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ND UNDERSTAND
SAFETY DATA
CT.



Active Ingredient: Glutaraldehyde 14.0%
 Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₈ 10%)
 dimethyl benzyl ammonium chloride 2.5%
 Inert Ingredients: 83.5%
 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: 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. 10352-31
 AQUICAR is a registered trademark
 of Union Carbide
 Net Contents 55 gallons

EPA Est. No. 10352-WV-2
 UCC-L14349 (02/94)
 Made In USA
 PE0291

14349 PRODUCT CODE	CONTAINER SIZE 55 GALLONS
	484 PCU DS NET WEIGHT

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-460-HELP (1-800-822-4357)
OUTSIDE USA 01-304-744-3487

BEST AVAILABLE COPY

FEB 14 1995

10352-31

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® 514 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® 514 Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

AQUICAR® 514 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, add 4.2 to 8.5 fluid ounces of AQUICAR® 514 Water Treatment Microbiocide per 100 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.7 to 4.2 fluid ounces of AQUICAR® 514 Water Treatment Microbiocide per 100 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 4.2 to 8.5 fluid ounces of AQUICAR® 514 Water Treatment Microbiocide per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.2 fluid ounces of AQUICAR® 514 Water Treatment Microbiocide per 100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

AQUICAR® 514 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® 514 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® 514 Water Treatment Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 20 to 96 fluid ounces (1.25 pints to 3 quarts) (1600 to 8000 ppm) AQUICAR® 514 Water Treatment Microbiocide per 1000 gallons of wastewater or sludge.

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.