

LEFT PANEL

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 20/20°C	1.042	Solubility in Water at 20°C	Complete
Vapor Pressure at 20°C	18.1 mm Hg	Solubility of Water in at 20°C	Complete
Freezing Point	-6°C	pH at 25°C	3.7 to 4.5

STORAGE AND HANDLING

AQUICAR® S15 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 -6°C (21°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 sprays, mixture, or residue 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) Reuse 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.

CENTER PANEL



Aquic

A MICROBICIDE FOR USE IN CONTROLLING SLIME FORMING ALGAE IN AIR WASHER SYSTEMS, AND IN RECIRCULATING BREWERY PASTEURIZER COOLING WATER SYSTEMS, AND INDUSTRIAL WATER SYSTEMS.

Active Ingredient: Gluturaldehyde
Inert Ingredients:

DOCUMENT AVAILABLE

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRECAUTIONS

In case of contact, immediately flush eyes or skin. For eyes call a physician. Remove and wash contact lenses.

If swallowed, drink promptly a large quantity of water. If available, drink large quantities of water. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage. Measures against circulatory shock, respiratory distress.

UNION CARBIDE CORPORATION

Danbury, CT 06817 • Offices in Principal Cities
EPA Reg. No. 10362-23
AQUICAR® is a registered trade mark of Union Carbide Corporation.

NET WT. 213 kg (470 lb)

CENTER PANEL



AquacarTM 515

WATER TREATMENT MICROBIOCIDES

A MICROBIOCIDES FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA AND ALGAE IN AIR WASHER SYSTEMS, AND IN RECIRCULATING WATER COOLING TOWERS AND SYSTEMS, INCLUDING BREWERY PASTEURIZER COOLING WATER SYSTEMS, AND INDUSTRIAL CLOSED, RECIRCULATING PROCESS WATER SYSTEMS.

ACCEPTED
with COMMENTS
EPA Letter 10352-23

JUN 28 1984

Active Ingredient: Glutaraldehyde.....15.0%
Inert Ingredients.....85.0%
100.0%

Union Carbide Corporation
Pesticide Division
EPA Reg. No. 10352-23

DOCUMENT AVAILABLE

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. 10352-23
AQUACARTM is a registered trade mark
of Union Carbide Corporation

EPA Est. No. 10352-WV-2
UCC No. 4128-1C
Made in U.S.A.

NET WT. 213 kg (470 lb)

PC-80225

DIRECT

GENERAL

It is a violation of Federal law to use

AIR WASHERS AND RECIR

The product may be used only in industrial air washers. AQUACARTM 515 Water Treatment Microbiocide should be added to the system at a convenient point of uniform mixing such as a sump area. Badly fouled systems can be shock treated and then recirculated for up to 24 hours.

INTERMITTENT

Initial Dose: When the system is noticeably fouled. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident weekly, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment.

CONTINUOUS

Initial Dose: When the system is noticeably fouled.

Subsequent Dose: Maintain this treatment level by adding water in the system per day.

Badly fouled systems must be cleaned before treatment.

BREWERY PASTEURIZER

AQUACAR 515 should be used at the same rate as above. It should be added to the closest mixing such as a basin area, sump area. The treated water will be circulated in the system.

1. The manufacturer guarantees and warrants (a) that the product is as described within lawful limits and (b) that the direct responsible experts' evaluation of reasonable value.

2. The manufacturer further warrants that the product is as described hereon. The manufacturer DOES NOT INTEND TO MAKE ANY OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT. Buyer assumes all risks of use, handling, or storage. No claim of any kind, and whether or not caused by the purchase price of the material in respect of which the product is used, shall be made for special, indirect, or consequential damages.

3. No modification of this warranty and disclaimer shall be made by any authorized employee of the manufacturer.

515 WATER TREATMENT MICROBIOCIDES

ACCEPTED
with COMMENTS

SULFATE-REDUCING BACTERIA AND
TOWERS AND SYSTEMS, INCLUDING
D, RECIRCULATING PROCESS

JUN 28 1984

15.0%

85.0%

100.0%

Up to 100% effective
EPA Reg. No. 10352-23
as determined by EPA Reg. No.

10352-23

REN

R

EATMENT

y of water for at least 15 minutes.
clothing before reuse.

hites, gelatin solution or if these are not
a physician immediately.

contraindicate the use of gastric lavage.
and convulsion may be needed.

ALTY CHEMICALS DIVISION

EPA Est. No. 10352-WW-2
UCC No. 4126-1C
Made in U.S.A.

PC-90225

RIGHT PANEL 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 RECIRCULATING COOLING WATER SYSTEMS

The product may be used only in industrial air washers and air washer systems which have mist-eliminating components. AQUACAR™ 515 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 AQUACAR™ 515. 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 4-6.2 fl. oz. of AQUACAR™ 515 per 100 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.7-4.1 fl. oz. of AQUACAR™ 515 per 100 gal. 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 4-6.2 fl. oz. of AQUACAR™ 515 per 100 gal. of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8-4.1 fl. oz. of AQUACAR™ 515 per 100 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

BREWERY PASTEURIZER COOLING WATER SYSTEMS

AQUACAR 515 should be used at the same application rates, and in the same manner as described above. It should be added to the closed recirculating system at a convenient 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 pasteurizer cooling water system.

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 the 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 hereon. 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

Chemicals Div.
Middletown Rd.
Danbury, CT 06817

Attention: Mr. Bill Scott

Gentlemen:

Subject: Aquacar 545 Water Treatment Microbiocide
EPA Registration No. 10352-22
Aquacar 515 Water Treatment Microbiocide
EPA Registration No. 10352-23
Submission Dated June 14, 1984

28 JUN 1984

The amendments and labels referred to above, submitted in connection with registration under FIFRA are acceptable, provided that you:

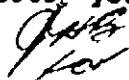
1. Make the labeling changes listed below before you release the products for shipment bearing the amended labeling.
 - (a) Refer to the enclosures "The Label," and "Type size requirements" for the correct type size (12 point) for the "Keep Out of Reach of Children."

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



John M. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

RD:J.Lee:DCR-44241:WANG-0020N:bje:Raven:479-2013:6/25/84

BEST DOCUMENT AVAILABLE

CONCURRENCES							
SYMBOL							
SIGNATURE							
DATE							

EPA Form 1320-1 (4-81) OFFICIAL FILE COPY

PRECAUTIONARY STATEMENTS

Hazards to Humans and Animals

DANGER:

Corrosive: Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles, gloves and protective clothing when handling. Harmful if swallowed.

STATEMENT OF PRACTICAL TREATMENT

External: In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician if eye contact occurs. Remove and wash contaminated clothing before reuse.

Internal: If swallowed, drink promptly a large quantity of milk or water. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE:

General Classification:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

SURFLO-B11 may be used continuously or in slug treatment as described below. The frequency of addition depends on many factors which should be established by biological tests. To optimize the use of SURFLO-B11, follow the procedure below:

1. **SLUG METHOD** - When the system is noticeably fouled, apply 2 fluid ounces per 1000 gallons of water (95 ppm of product). This treatment should be applied at a point in the system where it will be uniformly mixed. Repeat on a weekly basis, or as needed to establish control.

BEST DOCUMENT AVAILABLE

SURFLO-B11

A microbicide for use in controlling the growth of aerobic bacteria, and anaerobic bacteria, including sulfate reducers which occur in oilfield subsurface injection waters, surface water disposal systems, and waterfloods.

Active Ingredient :

1-(Alkyl amino)-3-aminopropane 23.3%

*Alkyl as in fatty acids of coconut oil

Inert Ingredients 76.7%

100.0 %

KEEP OUT OF REACH OF CHILDREN

DANGER

See Left panel for additional precautionary statements.

Manufactured By:

NL Treating Chemicals/NL Industries, Inc.
P. O. Box 490 Channelview, Texas 77530

EPA Registration No. 44797-4
EPA Establishment No.: 44797-TX-1
44797-LA-1
44797-OK-1

check
one

☐

☐

☐

Net Weight

check
one

☐

☐

55 gallon drum (208.2 Liters) 432 Lbs. (196.4 kg)

5 gallon can (18.9 Liters) 29.3 Lbs. (13.3 kg)

SURFLO-B11

A microbiocide for use in controlling the growth of aerobic bacteria, and anaerobic bacteria, including sulfate reducers which occur in oilfield subsurface injection waters, such as water disposal systems, and waterfloods.

Active Ingredient :

1-(Alkyl* amino)-3-aminopropane 23.3%

*Alkyl as in fatty acids of coconut oil

Inert Ingredients 76.7%
100.0 %

KEEP OUT OF REACH OF CHILDREN

DANGER

See Left panel for additional precautionary statements

Manufactured By:

NL Treating Chemicals/NL Industries, Inc.
P. O. Box 490 Channelview, Texas 77530

EPA Registration No. 44797-4
EPA Establishment No.: 44797-TX-1
44797-LA-1
44797-OK-1

check one



Net Weight

check one

☐ 55 gallon drum (208.2 Liters) 432 Lbs. (196kg)
☐ 5 gallon can (18.9 Liters) 29.3 Lbs. (17.8kg)

When microbial control is evident, the treating rate may be lowered to 6 fluid ounces per 1000 gallons of water (47 ppm of product) weekly, or as needed to maintain control.

Badly fouled systems should be cleaned before treatment is begun.

2. CONTINUOUS METHOD - Before beginning a continuous treatment, apply a slug treatment of 12 fluid ounces per gallon of water (95 ppm of product). Maintain this treatment by applying 0.5 to 2.5 fluid ounces per 10 gallons of water (4 to 20 ppm of product).

STORAGE AND DISPOSAL:

FLAMMABLE: Keep away from heat and open flame. Do not water, food, or feed by storage or disposal. If spilled all sources of ignition. Take up with sand or other non material. For large spills dike for later disposal.

STORAGE: Store in a cool, dry, and well-ventilated area

DISPOSAL: Pesticide wastes are acutely hazardous. Improper use of excess pesticide, spray mixture or rinsate is a violation of Law. If these wastes cannot be disposed of by use according to instructions, contact your State Pesticide or Environmental Agency or the Hazardous Waste Representative at the nearest Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by State and local authorities.

BEST DOCUMENT AVAILABLE