

PM 32

45387-18

1 of 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 20 1990

Owen A. Ranstead  
Scientific Water Systems, Inc.  
130 Avalon Road  
Lafayette, LA 70508

Subject: CHLOR MOR Dy-Chlor 62  
EPA Registration No. 45387-15  
Your Amendment Dated May 17, 1990

CHLOR MOR Chlorinated Tablets, 3"  
EPA Registration No. 45387-18  
Your Amendment Dated May 4, 1990  
Your Amendment Dated May 17, 1990

Dear Mr. Ranstead:

This is in response to your label amendment for each of the two subject products for the added use of treating cooling tower recirculating water, and your label amendment for EPA Reg. No. 45387-18 for the added use of treating sewage effluents.

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable subject to the comments listed below. A stamped copy of each product's labeling is enclosed for your records. Five copies of the finished labeling for each product must be submitted before the product is released for shipment. (According to our records, you have not submitted finished labeling in accordance with the Sept. 8, 1986, EPA Registration Notices for these products. If you decide not to proceed with the subject amendments, then you will have to submit five finished copies of the labeling that was accepted Sept. 8, 1986.)

1. The statement of Practical Treatment (First Aid) must be on the front (center) panel of the label.

2. In the statement of Practical Treatment, under "Swallowing," delete the phrase, "and any common cooking (vegetable) oil, if available."

CONCURRENCES

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SURNAME							
DATE							

3. Replace the text of the "Environmental Hazards" section with the following:

This pesticide is toxic to fish. Do not discharge effluent containing this product 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.

4. In the Storage and Disposal section, in the sentence, "Do not reuse empty container, but place in trash collection," replace the last part of the sentence with, "rinse thoroughly before discarding in trash collection."

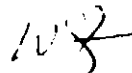
5. In the Storage and Disposal section, add the following pesticide disposal text (in accordance with PR Notice 83-3):

Pesticide wastes are acutely hazardous. 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Your Application for Pesticide Amendment for EPA Reg. No. 45387-15 mentions use in decorative water fountains. Also, the application form for the May 17, 1990, amendment for EPA Reg. No. 45387-18 (the amendment for sewage effluent use) says, "and for other related applications where a continuous source of chlorine is required." Since your proposed labeling does not have use directions for these other uses, we cannot currently accept these uses.

If you have any questions, you may call Wallace Powell at (703) 557-6938.

Sincerely,



Walter C. Francis  
Acting Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H-7504C)

Enclosures

### DIRECTIONS FOR USE

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

#### DISINFECTION OF EFFLUENTS

Disinfection by chlorination or hypochlorination does not occur instantaneously. A suitable detention basin must be provided to expose the effluent to the effects of the Tri-Clor 3" Tablets for a sufficient period of time (usually a minimum of 15 minutes). Where mechanical stirring or other agitation is not present, chlorination for disinfection should be introduced before primary or secondary sedimentation treatments, if these are used.

The amount of Tri-Clor 3" Tablets required will vary, depending on the concentration and condition of the final effluent. Disinfection should be controlled by frequent testing to maintain a chlorine residual of 0.8 to 1.0 ppm after 15 to 30 minutes of contact time.

In cases where sewage is to temporarily be disinfected before being diluted in a body of water, the following conditions will usually provide satisfactory protection against pollution of receiving waters: (1) Raw sewage, 10-30 ppm available chlorine. (2) Primary treated sewage, 5-20 ppm available chlorine. (3) Sewage which has undergone primary and secondary treatment, or secondary alone, 2-5 ppm. Bacteriological tests should be made frequently as a safeguard. The available chlorine level in the discharge effluent should be between 0.8 and 1.0 ppm or in accordance with a NPDES permit. For guidance, contact the regional office of the Environmental Protection Agency.

To provide an available chlorine concentration of 8 ppm will require 8 ounces or one Tri-Clor 3" Tablet for each 10,000 gallons of water treated. In practice the number of Tri-Clor 3" Tablets used should be adjusted to satisfy the chlorine demand and to maintain a proper chlorine residual. Measurement of the total available chlorine (combined plus free) in water treated with Tri-Clor 3" Tablets is best accomplished by employing the iodometric titration technique (described in Standard Methods for the Examination of Water and Wastewater, Sixteenth Edition, 1985, American Public Health Association, Inc. pp 298-303).



# CHLORINATED TABLETS, 3" WASTE WATER CHLORINATION TABLETS

#### DANGER!

Keep Out of Reach of Children!

See Additional Precautionary Statements on Side Panel.

ACTIVE INGREDIENT: Trichloro-s-triazinetriene.....	99%
INERT INGREDIENTS:.....	1%
AVAILABLE CHLORINE:.....	89%

Net Contents: 50 Lbs. (22.73 Kg.)

Product of:  
SCIENTIFIC WATER SYSTEMS, INC.  
P.O. Box 52886  
Lafayette, LA 70505-2886  
1 (318) 233-2108

EPA EST NO. 45387-LA-1

EPA REG. NO. 45387-18

#### PRECAUTIONARY

#### HAZARDS TO

**DANGER:** Highly corrosive. Irritant if swallowed. Irritant to eyes. Use eye shield and rubber gloves. Wash contaminated areas with plenty of water.

**PRACTICAL TREATMENT:** Use plenty of water for clothing and shoes. If skin irritation occurs, remove contaminated clothing. If eye irritation occurs, take immediately to a doctor. If unconscious, drink large amounts of water (vegetable oil, if available) and take to a hospital or physician immediately. Do not attempt to resuscitate an unconscious person.

**ENVIRONMENTAL PRECAUTIONS:** Do not discharge into lakes, streams, or rivers. In accordance with NPDES Permit. Contact the EPA.

**PHYSICAL AND CHEMICAL:** Do not mix with water. Use only with water. Use only when necessary. Each time material is used, clean thoroughly. Do not store in any dispensing device. Such use may cause irritation with moisture. May cause a chemical reaction, release of toxic gases, and possible explosion or decomposition. Do not store in open air or in contact with water if necessary.

**STORAGE AND DISPOSAL:** Store in original container when not in use. Store away from heat or fire. Do not store in container (if possible) and do not reuse to solve all materials. Do not store in original container, but place in a separate container for disposal.

ACCEPTED  
with COMMENT  
by EPA Letter

SEP 20

Under the Federal  
Pesticide Act  
as amended, this  
product is registered under #  
45387

Owen A. Ranstead  
Scientific Water Systems, Inc.  
130 Avalon Road  
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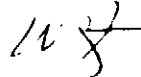
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Sincerely,



Walter C. Francis  
Acting Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H-7504C)

Enclosures

6 of 6



**DIRECTIONS FOR USE**

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

When used as directed, this product is effective as a cooling tower algicide, slimeicide, and bactericide. Severely fouled towers should be cleaned prior to treatment for best and most rapid results. Lightly fouled systems may be treated without pre-cleaning.

Chlorination requirements vary with percent of time tower is in use, type of tower, air and water temperatures, and contamination in and entering into the water. For these reasons, precise directions cannot be given. The operator will require some experience with treating the tower to establish the optimum treatment schedule and the amounts of TRI-CLOR 3<sup>®</sup> TABLETS required.

**APPLICATION METHODS:** TRI-CLOR 3<sup>®</sup> TABLETS may be applied to a tower by use of a suitable erosion chlorinator with an adjustable flow control or by suspending a dissolving basket in the sump. Chlorination levels are controlled by changing the rate of water flow through the erosion chlorinator or by increasing or decreasing the number of TRI-CLOR 3<sup>®</sup> TABLETS placed in the dissolving basket. During periods when no chlorine is wanted, the water flow through the erosion chlorinator is stopped. The dissolving basket is simply removed and suspended above the water in the sump. Use a DPD free chlorine test kit to measure available chlorine concentrations in the water.

**INITIAL TREATMENT:** Place in the chlorinator, dissolving basket or sump, one TRI-CLOR 3<sup>®</sup> TABLET for each 2,000 gallons of water in the system. Tablets should be placed in an area of continuous water flow. Open flow control on erosion chlorinator to maximum until a 1.0 ppm chlorine residual is obtained. Adjust flow or add tablets to maintain chlorine at 1 to 2 ppm until fouling is gone.

**CONTINUOUS TREATMENT:** Adjust flow through erosion chlorinator to maintain available chlorine reading at 0.5 to 1.0 ppm or keep the proper number of tablets in the dissolving basket or sump to maintain a 0.5 to 1.0 ppm available chlorine reading.

**INTERMITTENT TREATMENT:** Using an erosion chlorinator, one to three times daily, establish a 1.0 ppm available chlorine reading in the recirculating water and maintain that level of available chlorine for one hour. Optimum performance with this product will be obtained if the recirculating water pH is maintained between 7.4 and 7.8 during the treatment.

**CHLORINATED TABLETS, 3<sup>®</sup>**  
**COOLING TOWER CHLORINATION TABLETS**

**DANGER!**

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EPA EST NO. 45387-LA-1

EPA REG. NO. 45387-18

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS**

**DANGER:** Highly corrosive. Fatal if swallowed. Irritating to skin and eyes. Use eye shield and rubber gloves when handling. Wash contaminated clothing immediately.

**PRACTICAL TREATMENT (First Aid):** Flush with plenty of water for at least 15 minutes. Remove clothing and shoes. For eye irritation, flush with water. If skin irritation occurs, get medical attention. **Inhalation:** Remove to fresh air. If breathing is difficult, take immediately to a hospital or physician. If unconscious, or in case of a spill, do not attempt to induce vomiting. Do not attempt to induce vomiting in a conscious person.

**ENVIRONMENTAL HAZARDS:** Do not discharge into lakes, streams, rivers, or other bodies of water. Obtain NPDES Permit from the EPA.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not mix with other chemicals. Use only with water. Use only in well-ventilated areas. Each time material is taken from container, it may be exposed to any dispensing device. Such use may cause violent reaction with moisture, organic materials, or other chemicals. Possible generation of toxic gases, and possible generation of heat. Do not store in open air or well of water if necessary.

**STORAGE AND DISPOSAL:** Store in original container when not in use. Store away from heat or open flame. If possible, use in well-ventilated area. Remove all materials before disposal. Do not store in original container, but place in trash can for disposal.

**ACCEPTED with COMMENTS**  
by EPA Letter Dated

SEP 20 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA No. 45387-