

72874-2

8/5/2004

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue, NW  
Washington, D.C. 20460

EPA Reg. Number:

72874-2

Date of Issuance:

AUG - 5 2004

Term of Issuance:

Conditional

Name of Pesticide Product:

TowerGuard

## NOTICE OF PESTICIDE:

Reregistration

☒ Registration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Avantec Technologies Inc.  
Business Technology Center, Suite 254  
1275 Kinnear Road  
Columbus, OH 43212

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 72874-2."

b. Revise the "Precautionary Statement" to read:

DANGER: Corrosive. Causes eye damage and skin burns. May be fatal if Swallowed. Do not get in eyes, on skin or clothing. Do not handle with bare hands. Wear goggles or face shield, and neoprene gloves when handling this product. Use only thoroughly clean, dry utensils when handling. Irritating to nose and throat. Avoid breathing dust and fumes. Remove contaminated clothing and wash before reuse.

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Signature of Approving Official:

*Emily Mitchell*  
Emily Mitchell

Date:

8-4-04

EPA Reg. No. 72874-2

- c. Revise the Storage and Disposal section to read "Avoid dropping **or** any other violent contact, shock or friction."

Submit two copies of the revised final printed label for the record.

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 constitutes acceptance of these conditions.

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

# TowerGUARD™

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER

May produce burns when moist. May be fatal if swallowed. Do not get in eyes, or on skin, or clothing. Do not handle with bare hands. Wear goggles or face shield and neoprene gloves and use only thoroughly clean, dry utensils when handling. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing to avoid fire.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposal of wastes. 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 the 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.

## CHEMICAL HAZARDS

**Danger:** Strong oxidizing agent. Mix only into water. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with moisture, garbage, dirt organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags, or any other foreign matter.

## DIRECTIONS FOR USE

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

For use as disinfectant, fungicide, algicide and/or slimicide in commercial and recirculating cooling water systems.

1. Clean badly fouled systems before starting treatment.
2. Initial Treatment: When the system is noticeably fouled, use TowerGUARD on a continuous basis to maintain a residual chlorine dioxide of 0.1-0.2 ppm. One TowerGUARD pouch in 3000 gallons of water yields 0.3 ppm of total available chlorine dioxide after two hours at room temperature (20°C) and 0.4 ppm of total available chlorine dioxide after 30 minutes at 40°C.

Delivery system (pouch) for the generation of chlorine dioxide for use as a disinfectant, fungicide, algicide and/or slimicide in commercial and industrial recirculating cooling water systems

ACTIVE INGREDIENT: Sodium Chlorite.....32 %  
OTHER INGREDIENTS.....68 %  
Total.....100 %

Available Chlorine.....50 %

## KEEP OUT OF REACH OF CHILDREN DANGER

### FIRST AID

If in eyes	•Hold eye open and rinse slowly and gently with water for 15-20 minutes. •Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. •Call a poison control center or doctor for treatment advice.
If swallowed	•Call a poison control center or doctor immediately for treatment advice. •Have person sip a glass of water if able to swallow. •Do not induce vomiting unless told to do so by the poison control center or doctor. •Do not give anything by mouth to an unconscious person.
If on skin or clothing	•Take off contaminated clothing. •Rinse skin immediately with plenty of water for 15-20 minutes. •Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Questions? 614-340-1862

### Note to Physician

Probable mucosal damage may contraindicate the use of gastric

ACCEPTED

COMMENTS  
EPA Letter Dated: **Avantec Technologies Inc.**

Business Technology Center, Suite 254

1275 Kinnear Road  
Columbus, OH 43212

EPA Reg. No. 72874-E

EPA Est. No. 72874-OH-001

Net Contents: 1.65 ounces each (75.0 grams)

amended, for the 1-1-00 date,  
registered under EPA Reg. No.

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Subsequent Treatment: When microbial control is evident, use TowerGUARD on an intermittent basis to provide a chlorine dioxide residual of 0.5 to 1.0 ppm for at least 30 minutes. The frequency of feeding and dosage rate will depend on the severity of the system.

4. TowerGUARD can be added directly to the cold-water basin (drip pan) near the inlet of the recirculating pump. An alternative method is to prepare a stock solution of chlorine dioxide by placing TowerGUARD in a small container (e.g. 5 gallons) and feed the solution via a proportioning pump to the cold-water basin (drip pan) near the inlet of the recirculating pump. One TowerGUARD pouch in 5 gallons of water yields 180 ppm of total available chlorine dioxide after two hours at room temperature (20°C) and 266 ppm of total available chlorine dioxide after 30 minutes at 40°C.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store this product in the original unopened packaging until ready for use. Store in a cool, dry area away from heat or open flame. Avoid dropping on any other violent contact, shock, or friction.

**EMERGENCY HANDLING:** In case of spill, contamination or decomposition do not reseal package. If possible, isolate package in open and well-ventilated area and flood with large volumes of water before discarding the package. If fire occurs, extinguish fire by applying large quantities of water.

**PESTICIDE DISPOSAL:** 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 directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed, by State and local authorities, by burning. If burned, stay out of smoke.