

71906-2

11/22/2005

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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:

71906-2

Date of Issuance:

NOV 22 2005

Term of Issuance:

Conditional

Name of Pesticide Product:

SC-40

NOTICE OF PESTICIDE:

 Reregistration
 X Registration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Tiberian Technologies, Inc.
1698 Empire Avenue
East Point, GA 30344

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. 71906-2"
 - b. The signal word for this product "DANGER" should be removed from the First Aid statement and placed below the child hazard warning statement.

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.

Signature of Approving Official:

Emily H. Mitchell, PM-32

Regulatory Management Branch II - Antimicrobials Division

Date:

NOV 22 2005

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ACCEPTED
with COMMENTS
EPA Letter Dated:

NOV 22 2005

SC - 40

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 71906-2

Tiberian Technologies Inc.

1698 Empire Avenue East Point, GA 30334
404-768-9668

Aqueous Solution of 40% Sodium Chlorate

A PRECURSOR CHEMICAL SOLUTION FOR USE ONLY IN AN APRIOPRIATE CHLORINE
DIOXIDE GENERATOR

In addition to this precursor, a chlorine dioxide generator requires an appropriate method of activation to generate chlorine dioxide. Follow generator directions for activation to ensure proper levels of chlorine dioxide for treatment.

**-FOR INDUSTRIAL USE ONLY-
KEEP OUT OF THE REACH OF CHILDREN**

DANGER

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

"Have the Product container or label with you when calling a poison control center or doctor, or going for treatment." You may also contact 1-800-262-8200 for emergency medical treatment information.

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. Call a poison control center or doctor for treatment advice.

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.

IF INHALED: Move person to fresh air. If not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. 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. Call a poison control center or doctor for further treatment.

NOTE TO PHYSICIAN: Probable mucosal damage contraindicate the use of gastric leverage

<u>ACTIVE INGREDIENT</u>	<u>BY WT</u>	<u>Tiberian Technologies Inc.</u>
Sodium Chlorate	40.0%	1698 Empire Avenue
OTHER INGREDIENTS	60.0%	Atlanta, GA 30344
TOTAL	100%	404-768-9668

EPA Reg. No.71906-E
EPA Est. No.71906-GA-001

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage. Use of contact lenses is not recommended when handling this product. Do not get in eyes, on skin or clothing. Wear protective eyewear (goggles or face shield). Wear protective clothing and neoprene gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic or highly toxic to fish and aquatic organisms. 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.

CHEMICAL HAZARDS

SC - 40 is a strong oxidizing agent. Do not contaminate with dirt, oils or organic matter of any sort. Contamination may cause violent chemical reactions, fire and explosion. Clean up all chemical spills immediately. Allowing spills to dry or concentrate may cause spontaneous combustion. In case of chemical spills, avoid body contact and wear appropriate protective equipment.

DIRECTIONS FOR USE

General Directions

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

SC - 40 is for use only in an appropriate chlorine dioxide generator. Feed rates for SC - 40 are determined by the operator to achieve the desired production rate for chlorine dioxide. As described below, the appropriate production rate will depend on the severity of contamination, the degree of control desired, the size of the system and residual necessary for effective control. For all uses, the point of feed of chlorine dioxide should be below the water level to prevent volatilization of the chlorine dioxide. Chlorine dioxide must be added to the water stream at a point where adequate mixing and uniform distribution can occur.

Drinking Water Treatment

This product is approved for use in water treatment facilities that produce potable drinking water in compliance with the Safe Drinking Water Act. A typical dosage of chlorine dioxide for water systems is between 0.5 and 5ppm on a continuous basis. SC - 40 has been approved by the National Sanitation Foundation for use in drinking water systems.

Industrial Process Water Use

This product is approved for the control of microbial, algal and mollusc populations in industrial process or wastewater at the sites listed below. The dosage of chlorine dioxide required is dependent on the specific use; see specific directions below. SC - 40 may be used to treat the following aquatic sites:

Recirculating and non-circulating cooling water. To control microbial and algal slime in cooling water systems, an intermittent or continuous application may be used. If using a continuous feed, maintain residual chlorine dioxide concentrations of a minimum 0.1-1.0ppm. If using intermittent feed maintain a residual concentration of a minimum 0.1-5.0ppm. In recirculating systems chlorine dioxide should be added to the drip pan, cold-water well, or other points where adequate mixing and distribution can occur. To remove adult mollusks in once through cooling water systems, an intermittent dose of a minimum 0.2-2.5ppm is necessary; the exact dose is dependent on the infestation present. If a continuous dose is preferred, apply chlorine dioxide at rates that maintain a minimum of 0.25-2ppm in cooling water. To prevent settling and attachment of the free-swimming larvae of mollusks (veligers), apply a continuous feed to achieve a residual minimum of 0.1-0.5ppm.

Textile processing water and pulp and paper process water for the paper that does not contact food:

To control microorganisms that form slime in paper process water and that cause blockages of paper mill equipment and to oxidize slime buildup already present, chlorine dioxide may be applied in an intermittent or continuous dosage. Either method of application should maintain a residual concentration of a minimum 0.1-5.0ppm of chlorine dioxide in the process paper water. If the system is badly fouled, it must be cleaned prior to treatment with chlorine dioxide.

Pasteurizer, cannery and retort water systems: To control odor and reduce bacterial slime in cooling and warming waters such as canning, retort, and pasteurizer process water, chlorine dioxide may be added intermittently to achieve a dose of 0.4ppm.

Impounded lake, pond and reservoir water, including industrial wastewater: To control microorganisms and algae that cause unacceptable odors and slime, these aquatic sites may be treated with chlorine dioxide on an intermittent basis. Sufficient chlorine dioxide must be added to reach a residual; concentration of 5ppm, in order to achieve adequate control and slime caused by algae and microorganisms.

Sewage and wastewater systems: For (disinfection/sanitization) of sewage and wastewater, add chlorine dioxide to achieve a residual of up to 5ppm. To control odors caused by sulfides associated with sewage and wastewater, a minimum of 5.0ppm chlorine dioxide must be applied to oxidize 1ppm of sulfide (measured as sulfide ion) if the pH is between 5-9. A minimum of 1.5ppm chlorine dioxide will oxidize 1ppm phenol if the pH is less than 8; if the pH is greater than 10, a minimum of 3.5ppm chlorine dioxide is required.

Gas and oil recovery injection water; fracturing system fluids: To control sulfate-reducing bacteria that form colloidal sulfur or iron sulfides and bacterial slime, and to oxidize sulfides, a continuous or intermittent application of chlorine dioxide may be used. If using a continuous feed of chlorine dioxide, apply at rates slightly higher than the sulfide oxidative demand as determined by a sulfide demand study. If using an intermittent feed apply a shock dose of 200-3000ppm chlorine dioxide. Please be certain that this product is not discharged into lakes, streams, ponds, oceans or other waters.

Ultrasonic tank water; photo processing wash water: leather processing solutions: To control slime caused by microbial populations in these liquid systems, a residual chlorine dioxide concentration between 0.25 to 5.0ppm is necessary. Chlorine dioxide may be added intermittently or on a continuous basis to achieve the desired residual; the concentration maintained is dependent on individual systems.

Agricultural Water Uses (NON-FOOD CONTACT):

SC - 40 is approved for use in the control of microbial populations in water for the following agricultural non-food contact uses:

Drinking water treatment for animals not meant for human consumption (e.g., show and research animals raised for fur or wool; horses, mules or donkeys). Treatment of drinking water tanks for livestock not meant for human consumption can be achieved by intermittent or continuous application of chlorine dioxide. Either method should be monitored, to achieve a residual concentration between 1.0-2.0ppm chlorine dioxide.

SC - 40 may also be used to generate chlorine dioxide for non-pesticidal uses:

Reducing Sludge
Eliminating Odors
Controlling corrosion

Reducing Color
Controlling scale and deposits
Reducing TOC (Total Organic Carbon)
Controlling iron and manganese
Destruction of odors caused by phenolics simple cyanides and Sulfides by Chemical Oxidation,
Clarifying/precipitating organic and inorganic particles

STORAGE AND DISPOSAL

STORAGE

Unless delivered in bulk, store in the original container. Store at ambient temperature from 40°F to 100°F. Do not store with sulfuric acid precursor. Store in fire-resistant area separate from incompatible materials such as metals, organic chemical, combustible materials and dirt. Clean-up spills immediately.

DISPOSAL OF WASTES

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 instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning, if burned stay out of smoke.

WARRANTY

TIBERIAN TECHNOLOGIES INC. warrants that this product conforms to the chemical description on the label and is reasonable fit for purposes stated on the label when used in accordance with specific instructions issued by TIBERIAN TECHNOLOGIES, INC. in the OPERATORS MANUAL for chlorine dioxide generation