

1448-436

08/29/2005

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

1448-436

Date of Issuance:

August 29, 2005

Term of Issuance: Conditional

Name of Pesticide Product: STBR

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Buckman Laboratories International, Inc.  
1256 North McLean Blvd.  
Memphis, TN. 38108-1241

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the 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 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.
2. Correct the spelling of recirculating and cooling in the description of STBR's uses.
3. Correct the spelling of Pasteurizers at Industrial Pasteurizers.
4. Under Air Washers change the upper range number from 5.0 ppm to 9.0 ppm.
5. Submit one copy of the revised final printed label for the record changing the EPA File symbol 1448-UGA to EPA Registration Number 1448-436.

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  
Acting Product Manager 32

Date:

AUG 29 2005



**MICROORGANISM CONTROL CHEMICAL:** STBR is an effective agent for controlling algal, bacterial, and fungal slime in condensing and cooling equipment in which recirculating water is used as the cooling medium and in reservoirs or ponds which serve as the source of boiler feedwater or cooling water. STBR can also be used to control bacterial, fungal and algal slime in decorative fountains, air washers, and food, beverage and industrial process pasteurizers.

**FOR INDUSTRIAL AND COMMERCIAL USE ONLY**

**ACTIVE INGREDIENT(S)**

Sodium hypochlorite.....	6.36%
Sodium Bromide.....	9.14%
INERT INGREDIENTS.....	84.50%
TOTAL.....	100.00%

Total available bromine=approximately 14%.  
 Expressed as chlorine=approximately 6.4%.  
 Degrades with age. Use a test kit and increase dosage as necessary to obtain the required level of available chlorine.

**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 further treatment advice.
If on Skin, Clothes	- 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 Swallowed	- Call 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 Inhaled	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.

**Precautionary Statements**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CORROSIVE-CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF INHALED. HARMFUL IF SWALLOWED.** Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

**ENVIRONMENTAL HAZARDS** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the USEPA.

**Directions for Use**  
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**COOLING PONDS, RESERVOIRS AND DECORATIVE FOUNTAINS**

STBR may be applied at the reservoir, pond, or fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient STBR should be fed to maintain a total bromine level of 4.5 to 9.0 mg/l in all parts of the reservoir or pond. Note that two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine.

**INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER SYSTEMS**

STBR should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. STBR should be applied to the cooling water to provide a total bromine level of 4.5 to 9.0 ppm. STBR at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 to 9.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

**INDUSTRIAL PASTURIZERS**

Such as food, beverage, and industrial pasteurizers. For control of bacteria and fungi in industrial pasteurizers, add 3.5 to 7.0 ounces of STBR per 1000 gallons of system water to achieve control. To maintain control, add sufficient STBR to maintain 4.5 to 9.0 ppm total bromine throughout the system. Two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine.

**AIR WASHERS**

This Product may be used only in industrial air washers and air washer systems which have mist eliminating components. For control of microorganisms in industrial air washer systems add sufficient STBR to the air washer sump or chill water to provide a total bromine level of 4.5 to 9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. STBR at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 to 5.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

**HEAT TRANSFER SYSTEMS**

Evaporative condensers, hydrostatic sterilizers and retorts, dairy sweetwater systems, and once through cooling water systems. STBR 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 basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

Note: The halogen dosages listed in the given applications are expressed as bromine. Since most field test kits for oxidizing halogens report in terms of chlorine, simply multiply the test kit result (given as chlorine) by 2.25 in order to obtain the bromine equivalent in these directions.

**ACCEPTED**  
 with COMMENTS  
 in EPA Letter Dated:

AUG 29 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-436