

1448-348

09/03/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 03 2003

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

Attention: Jody L. Stobbe
Regulatory Affairs Specialist

Subject: Busan 1078
EPA Registration No. 1448-348
Amendment Dated August 6, 2003

This will acknowledge receipt of your notification to add the additional brand name "BULAB 3847", submitted under the provisions of FIFRA Section 3(c)9. Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division 7510C

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 1448-348	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BUSAN 1078	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Buckman Laboratories, Inc. 1256 N. McLean Blvd. Memphis, TN 38108 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Alternate Trade Name: BULAB 3847.
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of these products. I understand that it is a violation of 18 USC. § 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jody L. Stobbe	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) 901-272-8550
2. Signature <i>Jody L. Stobbe</i>		3. Title Senior Regulatory Specialist
4. Typed Name Jody L. Stobbe		5. Date August 20, 2003
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, or both under applicable law.		6. Date Application Received (Stamped)



BULAB 3847

Directions for Use

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

ACTIVE INGREDIENT(S)

5-Chloro-2-methyl-4-isothiazolin-3-one.....	1.11%
2-Methyl-4-isothiazolin-3-one.....	0.39%
INERT INGREDIENTS.....	98.50%
TOTAL.....	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

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.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

Precautionary Statements HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes eye damage and skin burns. May cause allergic skin reaction. Harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin, on clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber, shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by use of equipment or disposal of waste. Apply this pesticide only as specified on the label.

Paper mills: Bulab 3847 is recommended for the control of bacteria and fungal slime in the production of paper. POINT OF ADDITION: Bulab 3847 should be added to a point in the system to insure uniform mixing such as the Beater, Hydropulper of Fan and Brake Storage Pumps. DOSAGE: Apply 0.44 to 1.5 lbs. (7 to 23 fluid ounces) of Bulab 3847 per ton (dry basis) of pulp and paper produced as a slug dose. If needed repeat daily. Badly fouled systems should be cleaned before initial treatment.

Paper Coating Preservation: Bulab 3847 is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings. Add 0.43 - 1.65 lbs of Bulab 3847 (195-750 g) to each 1,000 lbs (453 kg.) of fluid to provide 425 to 1,675 ppm (6.25 to 25 ppm active isothiazolones).

Industrial Recirculating Water Cooling Towers: For the control of bacteria, algae and fungi add Bulab 3847 microbicide to the lower basin, distribution box or some other point to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm Bulab 3847 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm Bulab 3847 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Air Washer Systems: Add to the air washer sump or chill water sump, to insure uniform mixing, 35 to 883 ppm Bulab 3847 microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer systems. Intermittent or Slug Method - Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm Bulab 3847 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm Bulab 3847 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Continuous Feed Method - Initial Dose: When the system is just noticeably fouled, apply 148 to 883 ppm Bulab 3847 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system). Subsequent Dose: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm Bulab 3847 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Bulab 3847 per 1,000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment. NOTE: For use only in industrial air washing systems that maintain effective mist eliminating components.

Industrial Recirculating Closed Loop Water Cooling Systems: For the control of bacteria, algae and fungi, add Bulab 3847 microbicide to the reservoir, recirculating line or some other point in the system to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm Bulab 3847 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm Bulab 3847 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Bulab 3847 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Polymer Latex Preservation: Bulab 3847 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate, and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymer. Add 0.43-3.3 lbs. of Bulab 3847 1.5% microbicide (195 g - 1.5 kg) to each 1,000 lbs. (454 kg) of emulsion to provide 425 to 3,350 ppm product (6.25 to 50 ppm active isothiazolones). NOTE: To insure uniform mixing add Bulab 3847 microbicide to latex or solutions slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

Adhesive and Tackifier Preservation: Bulab 3847 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene, and acrylic latices. Bulab 3847 microbicide is recommended as a preservative for tackifiers derived from resin and hydrocarbon resins. Add 0.43-1.65 lbs of Bulab 3847 1.5% microbicide (195 - 750 g) to each 1,000 lbs (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

Paint and Coatings Preservation: Bulab 3847 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings and paints used for architectural product finishes, and special purpose coatings. Add 0.43 - 1.65 lbs. of Bulab 3847 microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

Building Material Preservation: Bulab 3847 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building material such as mastics, caulks, joint cement, speckling and grouting. Add 0.43 - 1.65 lbs. of Bulab 3847 microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

Dispersed Pigment Preservation: Bulab 3847 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselsol used in paint and paper production. Add 0.43 - 1.65 lbs. of Bulab 3847 microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

Reverse Osmosis Systems: Bulab 3847 may be used to control microbiological fouling in reverse osmosis systems used for process water and other non-potable applications. Bulab 3847 should be fed to the membrane feedwater at a rate of 20-120 ppm (2.75-16.5 fluid ounces per 1000 gallons of water). The product should be added continuously for a time period of 1-24 hours, 1-7 days each week depending on the severity of the problem. For off-line cleaning, Bulab 3847 should be added to provide a level of 100-400 ppm (13.75-55 fluid ounces per 1000 gallons) in the soak solution.

Commercial Photoprocessing System Preservation: Bulab 3847 is recommended to prevent slime formation or accumulation in filters and ion exchange resin tanks of commercial photoprocessing systems. For the maintenance of a non-fouled system, use Bulab 3847 at 32 - 84 fluid ounces (2.1 lbs. - 4.2 lbs.) per 1,000 gallons water in the system once weekly, or as needed, to maintain control of slime. For a noticeably fouled system, use an initial dose of 84 - 154 fluid ounces (4.2 lbs. - 10.1 lbs.) per 1,000 gallons water to be followed by subsequent maintenance dosage. A high dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispersed into the final rinse or used water collection tank.

Conveyor Lubricants: Bulab 3847 can be used to control microorganisms in water-based conveyor lubricants. Bulab 3847 can either be added to the lubricant concentrate or can be added to the lubricant dilution feed line using a chemical metering pump. In lubricant concentrates, Bulab 3847 should be added at a level that will ensure a final use dilution of 200 - 1000 ppm of Bulab 3847 (3 - 5 ppm active). When fed to the lubricant dilution feed line, an initial metered dose of 50 - 126 fluid ounces of Bulab 3847 per 1000 gallons of diluted conveyor lubricant is recommended until control is achieved. A subsequent metered dose of 28 - 128 fluid ounces per 1000 gallons should be made to maintain 3-15 ppm active Bulab 3847 in the diluted conveyor lubricant.

Fuel Preservation: Bulab 3847 is recommended for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fuels, kerosene, heating oils, diesel fuels, residual fuel oils, coal slurries, liquefied petroleum gases and petrochemical feedstocks. Method of Addition: Bulab 3847 should be directly dispersed into a fuel tank, storage tank or a flowing stream of fuel in a manner to ensure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended. Curative Dose: When the system is noticeably fouled, add 1-2 gallons Bulab 3847 per 10,000 gallons of fluid in the system. This will provide 100 to 200 ppm of Bulab 3847 and 1.5-3.0 ppm active ingredient. Repeat until control is achieved. A shock dose of up to 4 gallons of Bulab 3847 per 10,000 gallons of fluid is recommended in the case of extreme contamination. Grossly contaminated systems should be physically cleaned to remove debris. Maintenance Dose: When the system is noticeably fouled, add 0.5 to 1.5 gallons of Bulab 3847 per 10,000 gallons of fluid to maintain the system. This will provide 50 to 150 ppm of Bulab 3847 and 0.75-2.25 ppm active ingredient. Repeat every 4-8 weeks or when microbial contamination is detected. FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCOUNTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

Do not contaminate wa

PESTICIDE STORAGE
transport in unlined me

PESTICIDE DISPOSAL
Pesticide wastes are
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according to label inst
Agency, or the Hazard
guidance.

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