

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

NOV 13 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Kristin M. Miller  
Regulatory Affairs Specialist for,  
Buckman Laboratories  
1256 North McLean Blvd.  
Memphis, TN 38108-1241

Subject: BUSAN 1009WB  
EPA Registration Number 1448-377  
Your Notification Dated September 30<sup>th</sup>, 2003  
EPA Received Date October 14<sup>th</sup>, 2003

The notification referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to add an additional brand name, BULAB 3841, is acceptable.

Your notification has been made part of the permanent record.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

A handwritten signature in black ink, appearing to read "M Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division

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 1448-377	2. EPA Product Manager M. Swindell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BUSAN 1009WB	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: Added alternate trade name BULAB 3841 to BUSAN 1009WB

**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
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> 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 Kristin M. Miller	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (901) 272-6770

<b>Certification</b> 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 both under applicable law.		6. Date Application Received <b>(Stamped!)</b> SEP 30 2003
2. Signature <i>Kristin M. Miller</i>	3. Title Regulatory Affairs Specialist	
4. Typed Name Kristin M. Miller	5. Date September 30, 2003	



# BULAB 3841

BULAB is a registered trademark.

### ACTIVE INGREDIENT(S)

2-(Thiocyanomethylthio)benzothiazole	10.0%
Methylselen bis(thiocyanate)	10.0%
INERT INGREDIENTS	80.0%
TOTAL	100.0%

**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 irreversible eye damage or skin burns. May be fatal if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment (PPE):** Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants; Socks and chemical resistant footwear; Goggles or face shield; Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton; and Respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

Handlers participating in hand-dip applications, including introduction of material to and removal from the dip and handling materials still wet from the dip must wear: chemical-resistant full-front aprons with attached full-sleeve gloves.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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

**PHYSICAL AND CHEMICAL HAZARDS:** Do not expose to extreme temperatures. Do not mix with an oxidant. Combustible. No not use or store near heat or open flame.

### Directions for Use

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

**SAPSTAIN AND MOLD CONTROL:** BULAB 3841 is used to control sapstain and mold on freshly cut hardwood and softwood lumber, logs, poles, posts and timbers. It is applied by dipping the wood until complete surface wetting is accomplished. Use 0.5 to 2.0 gallons of BULAB 3841/100 gallons water (5 to 18 lbs of BULAB 3841/100 gallons water) and agitate vigorously until BULAB 3841 is thoroughly dispersed. Rates to be used will vary according to temperature, humidity, wood moisture, storage conditions, etc. Under conditions suitable for aggressive mold growth, the high rate mentioned above should be used. Treatment should be made as quickly as possible after lumber is cut and always within 24 hours after cutting.

**PAPER MILLS:** To control bacterial and fungal growth on paper and paperboard machines, BULAB 3841 is added to the white water or stock at 0.1 to 0.5 lb./ton of dry paper or paperboard produced. To inhibit the growth of bacteria and fungi in papermaking additives (including alum solutions, animal glue solutions, pigment slurries, coating formulations, and starch slurries and solutions) BULAB 3841 is added to these materials in concentrations of 50-400 ppm (weight/weight). Pulp that may be held in storage for 8 hours to 1 week should be treated with 0.25 to 0.75 kg of BULAB 3841 per tonne (0.5 to 1.5 lbs per ton) of moisture-free pulp. BULAB 3841 may be added to contaminated fresh water at the rate of 0.25-1 ppm for treatment periods of 6-12 hours out of each 24 hours.

**PULP MILLS:** To protect wood chips from fungal degradation during storage, BULAB 3841 is used at 0.5 to 2 lb./ton of oven-dry wood. It can be applied through a water shower located in the pneumatic conveyor carrying chips from the chipper to the storage pile. All persons not directly participating in such spray applications in enclosed or indoor areas must be excluded from the treatment site and from an area extending at least 25 feet from the perimeter of the treatment site until application is complete and sprays have settled out of the air. For preservation of wet lap or sheet pulp, BULAB 3841 is used at 0.5 to 4 lb./ton of oven-dry fiber. It is applied to the surface of dewatered pulp by means of applicator rolls. Pulp that may be held in storage for 8 hours to 1 week should be treated with 0.25 to 0.75 kg of BULAB 3841 per tonne (0.5 to 1.5 lbs per ton) of moisture-free pulp.

**PARTICLE BOARD:** BULAB 3841 is employed as a preservative against mold and fungi for particle board, insulation board, and other wood-based fiber and particle panel materials. In this use, BULAB 3841 is mixed with the furnish, resin, or binding agent at 0.1 to 0.3% based on the dry weight of the wood.

**BACTERIOSTATIC PAPER:** BULAB 3841 may be used in the production of bacteriostatic paper and paperboard when included in the coating formulation at a dosage of 0.5-9.0% weight/weight of product and added at the size press or similar application. The bacteriostatic paper and paperboard applications are not to be used in the manufacture of food contact paper, paper coatings, or paperboard.

**COOLING TOWERS:** BULAB 3841 is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by painting a dispersion containing 0.5 to 0.7% BULAB 3841 in water onto the clean wood surfaces. The amount applied should provide 0.6 to 0.8 lb. BULAB 3841 per 1000 sq. ft. of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of BULAB 3841 to the recirculating cooling water at the tower basin or cold well. The dosage should provide 1.25 lb. of BULAB 3841 per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. The shock treatment should be repeated every four months. In systems greater than or equal to 4000 gallons, do not apply BULAB 3841 by open pouring of liquid to cooling water systems; a metering pump deliver system is required for this use and application method.

**COOLING WATER:** BULAB 3841 is used to control algae, bacteria and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algae growth, microbiological slime, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 0.6 to 3.7 fl oz BULAB 3841 per 1000 gal water in the system. Subsequent additions of 0.2 to 1.2 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling. In systems greater than or equal to 4000 gallons, do not apply BULAB 3841 by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, BULAB 3841 is incorporated in the drilling fluid at concentrations of 0.05 to 0.25% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** BULAB 3841 is used to control sulfate-reducing bacteria, slime-forming bacteria and fungi in oil-field water, polymer, or micellar floods, water-disposal systems, and other oil-field water systems at dosage rates of 3.9 to 13.0 fl oz of BULAB 3841 per 1000 gal of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knockouts, before or after injection pumps and injection well headers. Continuous Feed Method: When system is noticeably fouled, add 3.9 to 13.0 fl oz BULAB 3841 per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 3.9 to 13.0 fl oz BULAB 3841 per 1000 gal of water continuously, or as needed to maintain control. Intermittent or Slug Method: When system is noticeably fouled, or to maintain control add 3.9 to 13.0 fl oz BULAB 3841 per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week, or as needed to maintain control.

**CRUDE AND REFINED OILS:** BULAB 3841 is an oil-soluble preservative for the control of bacteria and fungi that cause the degradation of crude oil and refined fuel oils during storage. Crude and refined oils include, but are not limited to, olefinic, aromatic, paraffinic, and naphthenic oils. It should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 0.6 to 6.0 fl. oz. per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

**HIDES AND SKINS:** BULAB 3841 is used to prevent bacterial decomposition of brine cured hides and skins. BULAB 3841 should be used at a level of 0.003-0.02% (30-200 ppm) based upon the weight of green fleshed hides or skins and saturated brine solution. In raceway operations BULAB 3841 can be added directly to the raceway during the addition of hides and operation of paddles. In processor/mixer applications, BULAB 3841 should be added as dispersion in water. A satisfactory dispersion of 1 part BULAB 3841 plus 4 parts water can be prepared by adding the BULAB 3841 to the water (as opposed to adding water to BULAB 3841) with agitation.

**LEATHER:** BULAB 3841 can be used to prevent bacterial decomposition of brine cured, wet salted, air-dried or green fleshed hides/skins in the soaking process. For this purpose, treatment levels of 0.02-0.05% (200-500 ppm) based on the total weight of hides/skins and process water (float). BULAB 3841 is recommended for the prevention of mold in the storage, transport and processing of wet leather stock such as pickle vegetable-, chrome-, alternative metal or metal free tanned hides/skins. For this purpose, BULAB 3841 is used at treatment rates of 0.05-0.25% (500-2500 ppm) of white lime stock weight. A dispersion as described above should be prepared and added to the pickling solution or tannin liquor during the tanning operation or to the rinse water in a post tanning refloat. The product can also be applied during the fatliquoring process to prevent fungal growth at 0.025-0.075% (250-750 ppm) based on the split and shaved weight of leather being processed.

**PIGMENT SLURRIES, COATINGS, NON-FOOD ADHESIVES, CAULKS AND SEALANTS:** For the preservation of pigment slurries, coating, non-food adhesives, caulks and sealants, BULAB 3841 should be added at a point in the processing system where there is sufficient time and agitation for good mixing and dispersion. The actual amount of material to be added for the preservation of any given formulation will depend on the components and storage time and conditions. Dosage rates should be determined by actual testing. For pigment slurries, coatings, non-food adhesives, caulks and sealants which are subject to bacterial and fungal attack in their containers, BULAB 3841 should be added at use levels of 0.5 to 0.75% by weight to inhibit this attack. To inhibit fungal growth on the dried coating, non-food adhesive, caulk, or sealant, BULAB 3841 should be incorporated at a use level of 0.75 to 2.5% by weight. To formulate coatings that are mold resistant and that prevent sapstain and decay fungi, BULAB 3841 should be added at use levels of 0.5 to 9.0% based on the total weight of the formulation. The exact level to use will depend on the severity of the contamination as well as the nature and amounts of other components of the formulation.