

1448-52

10/9/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**Buckman Laboratories, Inc.**  
1256 North McLean Boulevard  
Memphis, TN 38108

OCT 9 2002

Attention: Ms. Crystal W. Brown


Subject: **Busan 40**  
EPA Registration No. 1448-52  
Your Submission Date: September 27, 2002  
EPA Received Date: October 2, 2002

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA section 3 (c) 9. Based on a review of the material, the following comment apply.

- Response to PR Notice 200-1 First Aid Statement

This application is acceptable and has been made a part of the records for this file.

Sincerely,

*for* 

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division 7510C

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

33

293

Please read instructions on reverse before completing form.

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

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration	OPP Identifier Number	
		<input checked="" type="checkbox"/> <b>Amendment</b>		
		<input type="checkbox"/> Other		

### Application for Pesticide - Section I

1. Company/Product Number Buckman Laboratories, Inc./1448-52	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Buckman Laboratories, Inc./BUSAN 40	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Buckman Laboratories, Inc. 1256 North McLean Boulevard 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 checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>2 January 2002</u>
<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.

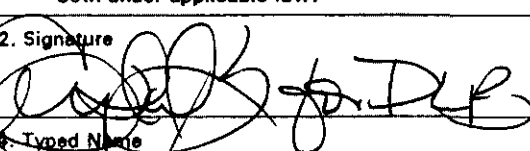
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Response to PR Notice 2001-1

### 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	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Package wgt. No. per container			
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 Crystal W. Brown	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) 901-272-8251
<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 or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Director, Regulatory Affairs	
4. Typed Name Dennis L. Barbee, Ph. D.	5. Date 27 September 2002	



# BUSAN 40

BUSAN is a registered trademark.

KEEP OUT OF REACH OF CHILDREN

## DANGER

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### 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 for treatment advice.
If Ingested	- 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

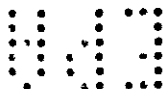
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.

##### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. Contains petroleum distillate.

**CORROSIVE:** Causes eye and skin damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. Avoid contamination of food.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with 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 sewage systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.



##### ACTIVE INGREDIENTS:

Potassium N-methylthiocarbamate.....32.5%

**INERT INGREDIENTS:**.....67.5%

(Contains methanol)

**TOTAL**.....100.0%

##### Storage and Disposal

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

**PESTICIDE STORAGE:** Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

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

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### Directions for Use

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

BUSAN 40 can be dispersed directly from the shipping container by means of a disperser. The material should be mixed thoroughly with the material to be protected in a manner that will insure uniform distribution, it can be diluted with water to any desired lower concentration the same day they are prepared.

BUSAN 40 is used in pulp and paper mills (1) to control bacterial and fungal slime of papermaking chemicals such as animal glue solutions, clay slurries, starch solutions, and **SLIME CONTROL IN PULP AND PAPER MILLS:** For controlling bacterial and fungal slime employed at 125 to 500 g per metric ton (0.25 to 1 lb. per short ton) of pulp, intermittently to the stock or white water as needed to control the growth of microorganisms at specified rates for periods of 2 to 6 hours out of each 8, each 12, or each 24 hour frequency of treatment should be adjusted higher or lower according to the rate of growth. **FURNISH:** For treatment of microbiologically contaminated furnish, BUSAN 40 is employed at 125 to 500 g per metric ton (0.25 to 1 lb. per short ton) of furnish to each beater or pulper.

**BROKE AND SLUSH PULP TREATMENT:** For uncoated broke, add 0.1 to 0.2 lb. per short ton of broke add 0.3 kg of BUSAN 40 per metric ton (0.2 to 0.6 lb. per short ton) of **PULP STORAGE:** Pulp that may be held in storage for 8 hours to 1 week should be stored in a mass of pulp moving to storage.

**FRESH WATER:** For microbiologically contaminated fresh water BUSAN 40 may be used in treatment periods of four hours out of each eight hours in the place of chlorine or other disinfectants for drinking or bathing.

**PRESERVATION OF PAPERMAKING CHEMICALS:** BUSAN 40 can be used to control the degradation of papermaking chemicals. The required amount of BUSAN 40 should be determined throughout the substrate to be protected. The table below shows the amount of BUSAN 40 required for various substrates; the pH shown is the maximum pH reached during processing and storage. The wet weight of slurry, emulsion, or solution to be protected as parts per million BUSAN 40.

##### Recommended Concentration of BUSAN 40 for Preservation of Paper

Substrate	pH below 7 ppm	pH above 7 ppm
Animal glue solutions	75-150	150
Clay slurries, phosphate-dispersed	50-100	100
Coating formulations, protein binders	150-400	400
starch binders	50-150	150
Starch slurries and solutions	50-150	150

BUSAN 40 is used to inhibit the growth of bacteria and fungi that cause the degradation of water-thinned solutions, and to inhibit the growth of bacteria that cause degradation in water-thinned solutions.

**PROTECTIVE COLLOIDS:** Enzymes resulting from the growth of certain fungi and bacteria in hydroxyethyl cellulose solutions cause a loss in viscosity of these solutions. BUSAN 40 inhibits microbiological growth and thereby provides viscosity stability for the protective colloids. The amount of BUSAN 40 based on the total weight of the solution are suggested for preservation; the exact amount of microorganism contamination, and the degree of protection desired.

**EMULSION RESINS AND WATER-THINNED PAINTS:** Enzymes produced by bacteria and fungi in emulsion resins and water-thinned paints can cause degradation. BUSAN 40 at 0.05 to 0.2 percent based on the weight of the emulsion has shown to be effective in preventing degradation of acetate emulsion resins. Such emulsion resins are commonly used for the manufacture of waxes, and polishes; and these finished products can also be preserved by the use of BUSAN 40 based on the weight of the finished product are employed in the latter applications.

**CUTTING FLUIDS:** BUSAN 40 can be used to prevent degradation of aqueous emulsions. The amount of BUSAN 40 based on the total weight of water and cutting fluid are suggested. The amount of BUSAN 40 used should be such that concentrations of 0.03 to 0.2 percent are maintained.

**WATER-BASED DRILLING, COMPLETION AND PACKER FLUIDS:** BUSAN 40 can be used to prevent degradation of water-based drilling muds, completion fluids, packer fluids, and other water-based fluids. For these purposes BUSAN 40 is added at concentrations of 0.05 to 0.2 percent.

**HIDES AND SKINS:** BUSAN 40 is used to prevent bacterial decomposition of brines. The amount of BUSAN 40 based on the weight of green fleshed hides and skins is suggested. BUSAN 40 can be added directly to the raceway during the addition of hides and skins, or it can be added as dispersion in water. A satisfactory dispersion of 1 part BUSAN 40 to 100 parts water (as opposed to adding water to BUSAN 40) with agitation.

**LEATHER MANUFACTURE:** BUSAN 40 can be used to prevent bacterial decomposition of hides and skins in the soaking process. For this purpose, treatment levels of 0.01-0.1 percent of BUSAN 40 to the water (float) used. To preserve tannery glue solutions, BUSAN 40 can be added to the glue solution.

Technical assistance in applying BUSAN 40 for microorganism control as described on the label is provided.

Manufactured by **Buckman Laboratories, Inc.**  
1256 North McLean Blvd., Memphis, Tennessee 38108, USA  
(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-52

Product Weight 10.4 lbs/gal 1.25 kg/l

Net contents are marked on the container.

##### HMS / NPCA Ratings

Health 3 Flammability 2 Reactivity 1

##### Last Revision

8/23/2002