

1448-47

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

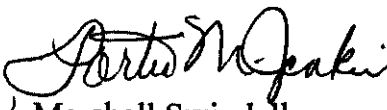
Subject: **Busan 52**
EPA Registration No. 1448-47
Your Submission Date: September 27, 2002
EPA Received Date: October 2, 2002

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 | | | | | | | |



United States
Environmental Protection Agency
Washington, DC 20460

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

OPP Identifier Number

Application for Pesticide - Section I

| | | |
|--|--|--|
| 1. Company/Product Number Buckman Laboratories, Inc./1448-47 | 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 52 | 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 | | | <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____ |
| * Certification must submitted | | If "Yes" Unit Packaging wgt. | No. per container | 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) 901-272-8258 |

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)

2. Signature

4. Typed Name
Dennis L. Barbee, Ph. D.

3. Title
Director, Regulatory Affairs

5. Date
27 September 2002

KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FIRST AID

| | |
|---------------------|---|
| If in Eyes | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - 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 | <ul style="list-style-type: none"> - 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.

DANGER: Corrosive. Causes eye and skin irritation. 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-methyldithiocarbamate..... | 26.0% |
| INERT INGREDIENTS..... | 74.0% |
| 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.

| | | | |
|---|------------------------|---|-----------|
| 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. | 1448-47 | Net contents are marked on the container. | |
| Product Weight | 10.5 lbs/gal 1.26 kg/L | | |
| HMS / NPCA Ratings | | Last Revision | |
| Health | 3 | Flammability | 2 |
| | | Reactivity | 1 |
| | | | 8/23/2002 |

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

BUSAN 52 can be dispersed directly from the shipping container by means of a disperser. To ensure uniform distribution, it can be diluted with water to any desired lower concentration the same day they are prepared.

BUSAN 52 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 starch slimes. **SLIME CONTROL IN PULP AND PAPER MILLS:** For controlling bacterial and fungal slime, employ 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. Specified rates for periods of 2 to 6 hours out of each 8, each 12, or each 24 hours. Frequency of treatment should be adjusted higher or lower according to the rate of contamination. For furnish, BUSAN 52 is added to the system at a rate of 0.1 kg of BUSAN 52 per beater or pulper.

BROKE AND SLUSH PULP TREATMENT: For uncoated broke, add 0.1 to 0.2 kg of BUSAN 52 per metric ton (0.2 to 0.6 lb. per short ton) for coated broke add 0.3 kg of BUSAN 52 per metric ton (0.2 to 0.6 lb. per short ton) to 1 week should be treated with 0.1 to 0.3 kg of BUSAN 52 per metric ton (0.2 to 0.6 lb. per short ton) should be added in a manner that will ensure uniform distribution throughout the substrate. BUSAN 52 may be used at concentrations of 0.05 to 0.2 percent throughout the substrate to be protected. The table below shows the amount of substrate, the pH shown is the maximum pH reached during processing and storage. **PRESERVATION OF PAPERMAKING CHEMICALS:** BUSAN 52 can be used to protect papermaking chemicals. The required amount of BUSAN 52 should be based on the total weight of the solution are suggested for preservation; the exact amount of microorganism contamination, and the degree of protection desired.

Recommended Concentration of BUSAN 52 for Preservation of Papermaking Chemicals

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

Note: BUSAN 52 is composed of substances that have been allowed for use in accordance with Drug Administration Regulation 176.300. BUSAN 52 is used to inhibit the growth of bacteria and fungi that cause degradation in 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 such as hydroxyethyl cellulose solutions cause a loss in viscosity of these solutions. BUSAN 52 inhibits microbiological growth and thereby provides viscosity stability for the protective colloids. The exact amount of microorganism contamination, and the degree of protection desired.

EMULSION RESINS AND WATER-THINNED PAINTS: Enzymes produced by microorganisms in emulsion resins. Such emulsion resins are commonly used for the manufacture of finished products can also be preserved by the use of BUSAN 52. Concentrations of BUSAN 52 of 0.05 to 0.2 percent based on the weight of the emulsion has shown to be effective. These finished products can also be preserved by the use of BUSAN 52. Concentrations of BUSAN 52 of 0.05 to 0.2 percent based on the weight of the emulsion has shown to be effective.

CUTTING FLUIDS: BUSAN 52 can be used to prevent degradation of aqueous solutions of BUSAN 52 based on the total weight of water and cutting fluid are recommended. Repeated periodically at no greater than 5-week intervals. In some cases, BUSAN 52 should be such that concentrations of 0.03 to 0.2 percent are effective.

WATER-BASED DRILLING, COMPLETION AND PACKER FLUIDS: BUSAN 52 can be used to prevent degradation of aqueous solutions of BUSAN 52 based on the total weight of water and drilling muds, completion fluids, packer fluids, and other water-based materials. For these purposes BUSAN 52 is added at concentrations of 0.05 to 0.2 percent.

LEATHER MANUFACTURE: BUSAN 52 is employed in leather manufacture to prevent the growth of microorganisms in the soaking of hides. BUSAN 52 is used to preserve tannery glue solutions, BUSAN 52 is added to the soaking water. To preserve tannery glue solutions, BUSAN 52 is added to the soaking water.

Technical assistance in applying BUSAN 52 for microorganism control as described on the label is provided.