

PM 33

1448-104

12/22/98

1 of 4

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC 22 1998

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

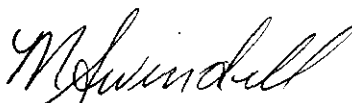
Subject: Busan 1059  
EPA Registration No. 1448-104  
Notification Per PR-Notice 95-2  
Your Notification Dated November 23, 1998

Dear Mr. Barbee:

This will acknowledge receipt of your notification to add Water Soluble Packaging from 1 lb. to 1/4 lb. submitted under the provisions of FIFRA section 3(c)9. Based on a review of the submitted material, the following comments apply.

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

Sincerely,



Marshall Swindell  
Notification Coordinator  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

## CONCURRENCES

SYMBOL								
7510C								
SURNAME								
J. K. [unclear]								
12/22/98								



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

253252

## Application for Pesticide - Section I

1. Company/Product Number 1448-104	2. EPA Product Manager M:--Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Busan 1059	PM# <u>33 2</u>	
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 additional Water Soluble Packaging size: 1/4 lb. bags per PR Notice 98-10.  
(see attached cover letter for certification.)

## 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 checked="" 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) _____		
If "Yes" Unit Packaging wgt.      No. per container If "Yes" Package wgt.      No. per container 0.25, 1, 2, 3# 1200, 50, 25, 7					
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"/> On Label <input type="checkbox"/> On Labeling accompanying product	
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 Carl Watson		Title Regulatory Toxicologist		Telephone No. (Include Area Code) (901) 272-6228	
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 <i>Carl Watson</i>		3. Title Manager, Regulatory Affairs			
4. Typed Name Dennis L. Barbee, M.S., M.P.A.		5. Date			

**Buckman**  
LABORATORIES

BUCKMAN LABORATORIES INTERNATIONAL, INC.

1256 NORTH McLEAN BLVD.  
MEMPHIS, TN 38108-1241 U.S.A.  
TELEPHONE (901) 278-0330  
FAX (901) 276-5343  
www.buckman.com  
e-mail: knetix@buckman.com**Via Federal Express**

November 23, 1998

Marshall Swindell, PM 33  
Management Regulatory Branch I  
Antimicrobial Division (7510W)  
US Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202 - 4501

Re: Busan 1059, EPA Reg. No. 1448-104  
Notification of Additional WSP

Dear Mr. Swindell:

Buckman Laboratories, Inc. wishes to notify the Agency of an additional Water Soluble Packaging (WSP) size for the above registered product. The smallest WSP is currently 1 lb. bags. Buckman wishes to package this product in 1/4 lb. bags, as well. There are no other changes either to the label or the product.

*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.*

If you have any questions or require any additional information pertaining to this action, please feel free to contact Carl Watson at (901) 272-6228.

Sincerely,

BUCKMAN LABORATORIES INTERNATIONAL, INC.

for DCD

Dennis L. Barbee, M.S., M.P.A.  
Manager, Regulatory Affairs Department

# BUSAN 1059

BUSAN is a registered trademark.

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes eye damage and severe skin irritation. Harmful or fatal if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contaminating food. Wear goggles or face shield and rubber gloves when handling. May cause skin sensitization.

**STATEMENT OF PRACTICAL TREATMENT:** If product gets in eyes, flush with plenty of water for at least 15 minutes. Call a physician. In case of skin contact, wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If product is swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, a large quantity of water. Avoid alcohol. Call a physician immediately. **PHYSICIAN'S NOTE:** Probable mucosal damage may contraindicate gastric lavage.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. 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 Systems (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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL/CHEMICAL HAZARDS:** Solubility in water: 0.2%. Melting Point: 106°C.

## STORAGE AND DISPOSAL

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

**STORAGE:** Protect from temperatures in excess of 140 degrees F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect and dispose of in accordance with local, state, and federal pesticide disposal regulations.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 the nearest EPA Regional Office for Guidance.

**CONTAINER DISPOSAL:** Fiber Drums with Liners- Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

## DIRECTIONS FOR USE

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

FOR USE AS A PRESERVATIVE OF INDUSTRIALLY PREPARED WATER BASED SUSPENSIONS (PIGMENT SLURRIES, ADHESIVES, POLYMERS, AND STARCHES), AND AS AN ANTIMICROBIAL IN OILFIELD OPERATIONS.

FOR INDUSTRIALLY PREPARED WATER BASED SUSPENSIONS (PIGMENT SLURRIES, ADHESIVES, POLYMERS, AND STARCHES) USE:

### ACTIVE INGREDIENTS:

Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadia ..... 98.0 %  
zinc-2-thione

INERT INGREDIENTS: ..... 2.0 %

### FOR THE PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY

**SUSPENSIONS:** For preservation of slurries and high viscosity suspensions, Busan 1059 should be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add Busan 1059 at use levels of 0.01-0.03% by weight, based on the total formulation in slurries of starch, clay, calcium, carbonate or titanium dioxide; paper coatings; high viscosity suspensions (e.g., polymers; silica-polymers; silica-polymer combinations); polyvinyl alcohol/polyvinyl acetate based adhesives; starch based adhesives; dextrin based adhesives. For Water Soluble Packaging, this may be accomplished by adding from 1 to 3 pounds of Busan 1059 to each 10,000 pounds based on the weight of the total formulation. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage time and conditions. Dosage rates should be determined by actual tests.

### FOR OILFIELD OPERATIONS USE:

#### OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS: FOR CONTROL OF

**SLIME-FORMING AND/OR SPOILAGE BACTERIA:** Determine the total volume of the circulating system. Calculate the number of pounds of Busan 1059 needed to produce a concentration of 520 ppm (0.18 lb/bbl) Busan 1059 in the drilling mud circulating system. For example, 182 pounds of Busan 1059 per 1000 barrels of drilling fluid will produce the proper concentration. For best results, add Busan 1059 in a thin stream to the pit while the drilling fluid is circulating. As the total volume increases, due to greater well depth, add additional Busan 1059 to maintain the proper concentration. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of the antimicrobial agent may be prescribed.

#### OILFIELD WATER TREATMENT AND WATER FLOODS: FOR CONTROL OF SLIME-FORMING AND/OR

**SPOILAGE BACTERIA:** Calculate the total volume of water to be treated. Using this volume, calculate the number of pounds of Busan 1059 needed to produce a concentration of approximately 625 ppm Busan 1059. For example, 5.22 pounds of Busan 1059 per each 1000 gallons of total volume will produce this dilution. For Water Soluble Packaging, for example, 1 pound of Busan 1059 per each 191 gallons of total volume will produce this solution.

88 ppm Busan 1059 added each week is recommended to maintain bacterial control. This may be accomplished by adding 0.73 pounds of Busan 1059 to each 1000 gallons of total volume. For Water Soluble Packaging, this may be accomplished by adding 1 pound of Busan 1059 to each 1363 gallons of total volume.

#### RECIRCULATING COOLING WATER SYSTEMS: FOR CONTROL OF ALGAE, FUNGI AND SLIME FORMING BACTERIA:

Dosages for recirculating cooling water systems will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply Busan 1059 to the cleaned system when growth is first noticed according to the following schedule.

**INITIAL DOSE:** Calculate the total volume of water to be treated. Using this volume, calculate the number of pounds of Busan 1059 needed to produce a concentration of 7.5 - 15 ppm of Busan 1059 per each 1000 gallons of water in the system. For Water Soluble Packaging, this may be accomplished by adding 1 pound of Busan 1059 per each 8,000 - 16,000 gallons of water in the system. This dosage may be a continuous treatment or applied once, twice or three times weekly or as required to control the growth of slime forming organisms.

**SUBSEQUENT DOSAGE:** When microbial control is evident add 1.25 - 7.5 ppm of Busan 1059 per 1000 gallons of water in the system as a continuous treatment daily or every three days as required to maintain control. For Water Soluble Packaging, this may be accomplished by adding 1 pound of Busan 1059 per each 16,000 - 96,000 gallons of water in the system.

**EPOXY FLOORING COMPOUND:** For epoxy flooring compounds add Busan 1059 at use levels of 0.05 to 0.6%, by weight, based on the total formulation of the compound to inhibit bacterial and fungal growth on the finished compound.

**HMIS/NPCA RATING**  
Health 3 Flammability 1 Reactivity 1

Product Weight: 4.4 lbs./gal. .53 kg/l  
**NET CONTENTS MARKED ON CONTAINER**

**EPA Reg. No. 1448-104**

Manufactured By EPA Est. No. 1448-TN-1, 1448-MO-1  
**BUCKMAN LABORATORIES, INC.**  
1256 N. McLEAN BLVD., MEMPHIS, TN 38108 USA  
(901) 278-0330 or 1-800-BUCKMAN

Rev. 6/07/95

4 of 4