UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Buckman Laboratories, Inc.
1256 North McLean Blvd.
Memphis, TN 38108-1241 USA

JUN 10 2011

Attention: Jeffery M. Thorne
Director, Compliance

Subject: Busan 1211
EPA Reg. No.: 1448-399
Amendment Application Dated May 12, 2011

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. The Agency approves the changes made to the label per the Agency letter dated January 7, 2011.

The label must be revised so the routes of exposure are listed in the same order in both the First Aid and Hazards to Humans and Domestic Animals Sections, organized so that the routes of exposure of most concern (severe routes of exposure) as supported by the toxicity category classification are listed first.

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact Abigail Downs at (703) 305-5259.

Sincerely,

Marshall Swindell
Product Manager (33)
Regulatory Management Branch I
Antimicrobials Division (7510P)

BUSAN 1211

BUSAN is a registered trademark.

ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUN 10 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No 1448-399

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ACTIVE INGREDIENT(S)	
2-Bromo-4'-hydroxyacetophenone and related brominated compounds.....	30.0%
INERT INGREDIENTS.....	70.0%
TOTAL.....	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

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 901-767-2722 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 and skin burns. Fatal if spray mist is inhaled under prolonged exposure. Do not breathe mist. Do not get in eyes, on skin, or on clothing. Avoid contamination of food. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent contaning this product into lakes, streams, 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 without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL HAZARDS: Do not use or store near heat or open flame.

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Directions for Use

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

BUSAN 1211 is used in pulp and paper mills (1) to control bacterial and fungal slime; (2) to inhibit the growth of bacteria that cause the degradation of papermaking chemicals such as animal glue solutions, clay slurries, starch solutions and slurries, and coatings formulations; and (3) to inhibit the growth of fungi that cause the degradation of papermaker's alum solutions.

PULP AND PAPER MILL: To control bacterial and fungal slime in pulp and paper mills, BUSAN 1211 is employed at 0.1 to 1.0 kg per tonne (0.2 to 2.0 lbs per ton) of pulp or paper (dry basis). The concentration of BUSAN 1211 and the frequency of treatment should be adjusted higher or lower according to the rate of slime accretion. Fresh Water Treatment: To supplement or replace chlorine in the treatment of freshwater used on a paper machine, use BUSAN 1211 at concentrations of 1 to 4 parts per million (ppm). BUSAN 1211 should not be added to water used for drinking or bathing. Slush Pulp Preservation: To prevent spoilage of slush pulp in storage, add BUSAN 1211 in a manner that will ensure uniform distribution throughout the mass of pulp. For slush pulp that will be held in storage for more than 8 hours but not more than 1 week, treat this pulp with 0.1 to 0.5 kg of BUSAN 1211 per tonne (0.2 to 1.0 lb per ton) or moisture-free pulp. Pulp and Recycled Fiber Treatment: When microbiologically contaminated pulp or recycled fiber (water paper) is added to the system, use a supplementary treatment of BUSAN 1211. To each beater or pulper add 0.1 kg of BUSAN 1211 per tonne (0.2 lb per tone) or moisture-free fiber to help keep the system free of slime. Broke Treatment: For treatment of broke to help control slime, use BUSAN 1211 at 0.1 to 0.3 kg tonne (0.2 to 0.6 lb per ton) of dry broke. Coated broke may require as much as 0.5 kg of BUSAN 1211 per tonne (1.0 lb per ton).

PRESERVATION OF COATING FORMULATIONS AND PAPERMAKING CHEMICALS: To inhibit the growth of bacteria that causes degradation of papermaking chemicals, such as animal glue solutions, slurries and solution, or coating formulations, and papermaking chemicals. The following table shows the amounts of BUSAN 1211 recommended, based on the total wet weight of slurry, emulsion, or solution to be protected, for the preservation of various materials:

Substrate	Parts per million of BUSAN 1211
Alum solutions	50 to 100
Animal glue solutions	75 to 150
Clay slurries, phosphate-dispersed	50 to 100
Coating formulations, protein binders	150 to 200
Coating formulations, starch binder	100 to 200
Starch slurries and solutions	50 to 150

ACCEPTED
with COMMENTS
In EPA Letter Dated:
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Under the Federal Insecticide, Fungicide, and Rodenticide Act a. amended, for the pesticide, registered under EPA Reg. No 1448-399

PRESERVATION OF SLURRIES AND EMULSIONS: BUSAN 1211 is used to inhibit the growth of bacteria that cause degradation of clay slurries, pigment slurries, inks, resins, emulsion paints, adhesives, waxes, and polishes. BUSAN 1211 is added at rates of 0.01 to 0.50% based on the weight of the slurry or emulsion.

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Storage and Disposal

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

PESTIDE STORAGE: Do not expose to extreme temperatures. 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 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 your EPA regional office for guidance.

CONTAINER DISPOSAL:
(Text for all nonrefillable containers}
Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.
{Liquid residue removal statement for nonrefillable containers with capacity of 5 gals or less}
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
{Liquid residue removal statement for nonrefillable containers with capacity of >5 gals}
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use of disposal. Repeat this procedure two more times.
(Text for all nonrefillable containers)
Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.
{Text for refillable containers}
Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.
For containers larger than 55 gallons:
To clean the container prior to refilling or disposal, use a pressure wash as follows: Empty the remaining contents into application equipment or a mix tank. Use a pressure wash system that rinses all interior sides with water and that is rated at >40 psi and >120F. Pressure wash the container for a length of time that ensures that a minimum 25% of the container volume of water is used. During the pressure wash, ensure that the container valve is left open for continuous draining. Collect the rinsate and empty into application equipment or a mix tank or store rinsate for later use or disposal. Allow container to drain for 10 minutes after pressure wash is completed.
For containers 55 gallons and smaller:
To clean the container prior to refilling or disposal, use a triple rinse wash as follows: Empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously. Pour or pump rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this rinsing procedure two more times.
Do not discharge rinsate containing this product 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 rinsate containing this product to sewer systems without prior approval from the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Batch code: _____

Manufactured by **Buckman Laboratories, Inc.**
1256 North McLean Blvd., Memphis, Tennessee 38108, USA
(901) 278-0330 or 1-800-282-5626

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-399

Product Weight **10.1 lbs/gal 1.21kg/l** Net contents are marked on the container.

HMIS / NPCA Ratings

Health 3 Flammability 2 Reactivity 1

Last Revision

3/9/2011