



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401

"M" St., S.W.

Washington, D.C. 20460

EPA Reg. Number:

1448-399

Date of Issuance:

SEP 30 1997

Term of Issuance:

Name of Pesticide Product:

Busan 1211

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Buckman Laboratories, Inc.
1256 North McLean Blv.
N\Memphis, TN 38108

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Add the phrase EPA Registration Number "EPA Reg. No. "1448-399".

Signature of Approving Official:

Marshall Swindell
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510W)

Date:

293

page 2
EPA Reg. No. 1448-399

3. Submit two copies of the revised final printed label for the record.

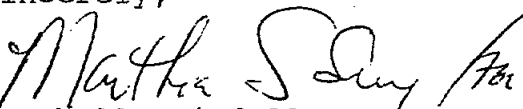
The revised Confidential Statement of Formula dated August 8, 1997 is in compliance with PR Notice 91-2, it agrees with the label claim and is acceptable. The formulation is cleared for use in manufacture paper and paperboard products that may come in contact with food.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510W)

Enclosure

BUSAN 1211

BUSAN is a registered trademark.

ACTIVE INGREDIENTS:
 2-Bromo-4'-hydroxyacetophenone 30.0 %
 and related brominated compounds..... 30.0 %
INERT INGREDIENTS: 70.0 %

RECEIVED / 70P01

APR 43 12:23



KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Fatal if spray mist is inhaled under prolonged exposure. Do not breathe mist. Corrosive to skin and eyes. 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 after use.

FIRST AID: In case of skin contact, wash with plenty of soap and water. Using gloves, remove contaminated clothing. Wash clothes before reuse. If product gets into eyes, flush immediately with large amounts of clean, cool water for 15 minutes. Get medical attention immediately. If spray mist is inhaled, remove individual to fresh air. If individual is blue or cyanotic, administer oxygen, if available. Get medical attention immediately. If product is swallowed, DO NOT INDUCE VOMITING. Rinse mouth with large amounts of tap water. Drink slowly one or two glassfuls of water. Contact a physician or Poison Control Center immediately. In cases where the individual is unconscious, do not give fluids by mouth. Avoid alcohol, alcohol-containing products or other drugs or substances as antidotes. Note to physician: Probable mucosal damage may contraindicate gastric lavage.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing 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 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 HAZARDS: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

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: 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 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 Mills: To control bacterial and fungal slime in pulp and paper mill, Busan 1211 is employed at 0.1 to 1 kg per tonne (0.2 to 2 lb 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) of 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 ton) of 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 cause the degradation of papermaking chemicals, such as animal glue solutions, slurries and solutions, 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 binders	100 to 200
Starch slurries and solutions	50 to 150

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 - 0.5% based on the weight of the slurry or emulsion.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 30 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
1448-399

HMIS/PCPA RATING
Health 3 Flammability 2 Reactivity 1

Product Weight: 10.0 lbs./gal. 1.2 kg/l
NET CONTENTS MARKED ON CONTAINER
EPA Reg. No. 1448-~~XXX~~ 670

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. 3/5/97

3
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3