

1448-70

03-11-2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 11 2004

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

Attention: Kristin M. Miller
Regulatory Affairs Specialist

Subject: Busan 85
EPA Registration No. 1448-70
Amendment Dated January 22, 2004

The labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

- To incorporate the revised label format

General Comments

A stamped copy of the accepted labeling is enclosed for your records.

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

Sincerely



Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

Enclosure

| CONCURRENCES | | | | | | | |
|--------------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |



BUSAN 85

BUSAN is a registered trademark.

ACTIVE INGREDIENT(S)

| | |
|--|--------|
| Potassium dimethyldithiocarbamate..... | 50.0% |
| INERT INGREDIENTS..... | 50.0% |
| 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 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information. | |
| NOTE TO PHYSICIAN | |
| Probable mucosal damage may contraindicate gastric lavage. | |

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. 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 handling. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

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 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.

Directions for Use

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

COOLING WATER SYSTEMS: BUSAN 85 is used to inhibit the growth of microorganisms in industrial, commercial, institutional cooling water systems. In noticeably fouled systems, BUSAN 85 should be added daily at a rate of 2.0 to 3.0 fl. oz. of BUSAN 85 per 1000 gallons of system water (20-30 ppm) until control is evident. Subsequent additions of BUSAN 85 should be made to the system as needed at a rate of 1.0 to 3.0 fl. oz. of BUSAN 85 per 1000 gallons of system water (10-30 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

INDUSTRIAL AIR WASHER SYSTEMS: BUSAN 85 is used to inhibit the growth of microorganisms in industrial air washer systems. In noticeably fouled systems, BUSAN 85 should be added at a rate of 4.7 to 6.0 fl. oz. of BUSAN 85 per 1000 gallons of water (47-60 ppm) until control is evident. Subsequent additions of BUSAN 85 should be made to the system as needed at a rate of 3.5 to 6.0 fl. oz. of BUSAN 85 per 1000 gallons of water (35-60 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

PETROLEUM SECONDARY RECOVERY WATERFLOODING OPERATIONS: BUSAN 85 is used to control sulfate-reducing bacteria in petroleum secondary recovery waterflooding operations at dosages of 0.83 to 1.66 fl. oz. of BUSAN 85 per 1000 gallons of water treated. Technical assistance in applying BUSAN 85 to a particular secondary recovery system is available upon request when a description of the problem is provided.

PULP AND PAPER MANUFACTURING: BUSAN 85 is used to control bacterial and fungal slime in pulp and paper mill systems. Recommended treatment rates are 0.25 to 1.00 lb. of BUSAN 85 per ton of pulp or paper produced for periods of 2-6 hours out of each 8, each 12, or each 24 hours. Required concentrations and frequency of treatment will depend on the rate of slime accretion. BUSAN 85 is added to the white water or stock going to the fan pump, and, if necessary, to fresh water, slush pulp, broke, or other machine furnish components. To inhibit the growth of bacteria and fungi in papermaking additives (including alum solutions, animal glue solutions, pigment slurries, coating formulations, and starch slurries and solutions) BUSAN 85 is added to these materials in concentrations of 50 to 400 ppm (weight/weight).

PAINTS, COATINGS AND CUTTING FLUIDS: BUSAN 85 is also used to inhibit the growth of bacteria and fungi in water-thinned paints or coatings emulsion resins, caulking-sealants, adhesives, and cutting fluids. For these applications, BUSAN 85 is incorporated into the material to be protected at concentrations of 0.03 to 0.20% based on total wet weight of the material.

DRILLING MUDS, COMPLETION FLUIDS: BUSAN 85 is used to inhibit the growth of fungi and bacteria in water-based drilling muds, completion fluids, pecker fluids, and other water-based drilling fluids containing starch, gums, sugars, or other organic materials. For these purposes BUSAN 85 is added at rates of 2.5 to 4.2 gallons per 100 barrels of fluid (0.06-0.10% by volume).

WASTEWATER TREATMENT SYSTEMS: BUSAN 85 may be used to control anaerobic bacteria, filamentous bacteria that cause bulking problems and other troublesome microorganisms in wastewater treatment systems and effluent. The quantity of BUSAN 85 required for control will vary with the severity of the problem. BUSAN 85 should be dosed to the system at the rate of 0.5 to 3.0 fl. oz. per 1000 gallons of wastewater (5-30 ppm) to various locations in the system to allow for mixing, every one to five days as needed for control; or fed continuously at the rate of 0.1 to 1.0 fl. oz. per 1000 gallons of wastewater flow (1-10 ppm) ahead of the problem area.

INDUSTRIAL WATER PURIFICATION SYSTEMS: BUSAN 85 is used to control microbiological fouling in industrial water purification systems including reverse osmosis systems, filters, clarifiers, and ion exchange equipment. For off-line treatment, BUSAN 85 should be fed at a concentration of 5.0 to 10.0 fl. oz. of BUSAN 85 to 1000 gallons of water (40-100 ppm) for 4 to 8 hours. For on-line maintenance treatment, dosing 1.0 to 2.0 fl. oz. per 1000 gallons of water (10-20 ppm) for 6 to 12 hours should be made once a week or as needed to maintain control. Not intended for use in potable water systems.

