

1448-380

5/1/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

MAY - 1 2001

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Jody L. Stobbe
Senior Regulatory Specialist
Buckman Laboratories, Inc.
1256 N. McLean Blvd.
Memphis, TN 38108

Dear Ms. Stobbe:

Subject: Label Amendment in Response to PR Notice 2001-1
BUSAN 2020
EPA Registration No.1448-380
Your Amended Application Dated April 10, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with comment.

Under the heading "Storage and Disposal" add the word "Pesticide" before Storage.

A stamped copy is enclosed for your records.

If you have any questions concerning this letter, please contact Renae Whitaker at (703) 308-7003.

Sincerely yours,

Adam Heyward
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY - 1 2001

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

1448-380

Last Revision 4/10/2001



BUSAN 2020

BUSAN is a registered trademark.

ACTIVE INGREDIENTS:

Poly[oxyethylene(dimethylimino)ethylene] 20.0%
(dimethylimino)ethylene dichloride]

INERT INGREDIENTS: 80.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 24 Hour Emergency Phone Number: (901) 767-2722 (call collect).

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.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

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 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. Avoid alcohol.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organism. Do not contaminate water by cleaning of equipment or disposal of waste. 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.

Physical or Chemical 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 stack more than four drums high. 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 the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

PLASTIC: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

METAL: 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.

HMIS / NPCA Ratings

Health 3 Flammability 1 Reactivity 1

EPA Reg. No. 1448-380

Manufactured by, EPA Est. No. 1448-TN-1

Buckman Laboratories, Inc.

1256 N. McLean Blvd. Memphis, TN 38108 USA

Product Weight

9.0 lbs/gal 1.08 kg/L

Net contents are marked on the container.

(901) 278-0330

or 1-800-BUCKMAN

Directions for Use

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

Busan 2020 is used to control algae, bacteria, and fungi in recirculating commercial and industrial cooling towers and recirculating cooling systems. Prior to its use, systems should be cleaned to remove existing algal growth, microbiological slime, and other deposits. An initial slug addition of 2.9 to 7.3 fluid ounces of Busan 2020 per 1000 gallons of water to provide a concentration of 24 to 60 parts per million of Busan 2020 based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 0.73 to 7.3 fluid ounces of Busan 2020 per 1000 gallons of water (6 to 60 parts per million of Busan 2020) should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Busan 2020 is used to control bacteria in industrial air-washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 11.8 to 18.3 fluid ounces of Busan 2020 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 7.5 to 18.3 fluid ounces of Busan 2020 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or the water collection trays of the airwash systems.

Busan 2020 is used to control the growth of algae in recreational water systems such as pools, spas, whirlpools and hot tubs. Busan 2020 can also be used to control algae growth in decorative fountains and ponds. For optimum results, systems containing heavy algae growth, should be cleaned prior to using Busan 2020.

For recreational water systems having just visible algae growth add 11 to 30 fluid ounces of Busan 2020 per 10,000 gallons of water. Maintain re-circulation on the pool while treatment and remove settled algae debris. Repeat treatment 3-5 days until algae growth has been removed. Brush walls and floors between applications. For treatment of freshly cleaned and filled recreational water systems add 6 to 11 fluid ounces of Busan 2020 per 10,000 gallons of water. Subsequent additions of 2 to 4 fluid ounces of Busan 2020 per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

For treatment of freshly cleaned and filled recreational water systems add 6 to 11 fluid ounces of Busan 2020 per 10,000 gallons of water. Subsequent additions of 2 to 4 fluid ounces of Busan 2020 per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

For decorative fountains and ponds having just visible algae growth add an initial dose of 0.6 to 2 fluid ounces of Busan 2020 per 1,000 gallons of water. For treatment of freshly cleaned decorative fountains or ponds. Add 0.2 to 1.0 fluid ounces of Busan 2020 per 1,000 gallons of water every 5 to 7 days for maintenance.

Busan 2020 will control and prevent most algae growths during off-season winter months when recreational water systems are not in use. For systems which have been properly treated during the summer months and are free of visible algae growth, add 10 to 20 fluid ounces of algacide per 10,000 gallons of water. If at the end of the swimming season systems have some visible algae growth, add 20 to 30 fluid ounces per 10,000 gallons of water. It is necessary that a uniform distribution of algacide is obtained throughout the water for maximum effectiveness. If recreational water systems such as pools and spas are not covered during the off-season, it may be necessary to repeat the treatment one or more times during the season. Busan 2020 is compatible at use levels with other chemicals normally employed to treat recreational water systems. To prevent water cloudiness during treatment, do not add chlorinated shock treatments while applying Busan 2020. Do not mix Busan 2020 with concentrated dry or liquid chlorine products.

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