

1448-380

3-25-2003

1/3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

March 25, 2003

Crystal W. Brown  
Regulatory Affairs Specialist III  
Buckman Laboratories, Inc.  
1256 North McLean Blvd.  
Memphis, TN 38108

Subject: BUSAN 2020  
EPA Registration No. 1448-380  
Application Date: December 31, 2002  
EPA Received Date: January 2, 2003

Dear Ms. Brown:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended is acceptable with the conditions listed below:

**Proposed Amendment**

- Update First Aid Statements per PR Notice 2001-1

**Conditions**

Revise the label as follows:

1. Revise the "If Swallowed" section of the First Aid Statements to read:

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass fo water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**CONCURRENCES**

SYMBOL	7500						
SURNAME	J. Gray						
DATE	3-25-03						

- 2. Revise the "If on Skin or Clothing" section of the First Aid Statements to read:

**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 treatment advice.

- 3. Separate the Precautionary Statement heading from the First Aid Statements. In addition, the precautionary heading and its statement must be grouped together to read as follows:

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes eye and skin irritation. Harmful if swallowed. Avoid breathing vapors. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling.

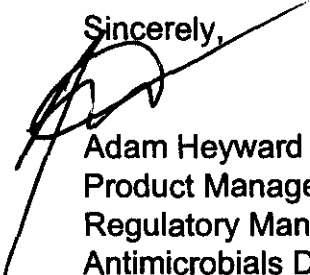
- 4. The child signal word "Warning" and the "Keep Out of Reach of Children" statement must be placed under the ingredient statement.
- 5. Revise the statement "An initial slug dose of 11.1 to 18.3 fluid ounces of BUSAN 2020 per 1000 gallons of water is recommended." to read "An initial slug dose of 11.8 to 18.3 fluid ounces of BUSAN 2020 per 1000 gallons of water is recommended." to agree with the last stamped label, dated September 10, 2001.

**General Comments**

Please note that before creating new language for the First Aid Statements, you must provide written rationale why the proposed statements should be different from that of PR Notice 2001-1.

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies of our final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

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

# BUSAN 2020

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### FIRST AID

<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person large quantities of water if able to swallow.</li> <li>Do not induce vomiting.</li> <li>Avoid alcohol.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin or Clothing</b>	<ul style="list-style-type: none"> <li>Brush off excess chemical.</li> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with soap and water for at least 15 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-282-5626 for emergency medical treatment information.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

**WARNING:** Causes eye and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing vapors.

**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. Do not ship with Food, Feed, Drugs, or Clothing.

**PESTICIDE 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.

ACCEPTED  
With COMMENTS  
EPA Letter Dated:  
MAR 25 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1448-380

<b>ACTIVE INGREDIENTS:</b>	
Poly[oxyethylene(dimethyliminio)ethylene dimethyliminio)ethylene dichloride]	20%
<b>INERT INGREDIENTS:</b>	80%
<b>TOTAL</b>	100%

**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.

## 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 11.1 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 algaecide 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 algaecide 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.

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

Product Weight: 9.0lbs./gal. 1.08 kg/l  
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-380

Manufactured By:  
BUCKMAN LABORATORIES, INC.  
1256 N. McLean Blvd.  
Memphis, TN 38108  
EPA Est. No. 1448-TN-1

W/W