

1448-92

03-18-2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 18 2004

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

Attention: Kristin M. Miller  
Regulatory Affairs Specialist

Subject: Busan 1024  
EPA Registration No. 1448-92  
Amendment Dated January 23, 2004

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

- To amend the First Aid statement
- To move the product name to the front panel

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 1024

BUSAN is a registered trademark.

### ACTIVE INGREDIENT(S)

1-Methyl-3,5,7-triaza-1-azoniatricyclodecane chloride.....	18.0%
INERT INGREDIENTS.....	82.0%
TOTAL.....	100.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

<b>if in Eyes</b>	- 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.
<b>if on Skin, Clothes</b>	- 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.
<b>if Swallowed</b>	- 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.
<b>if Inhaled</b>	- 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.

## Precautionary Statements

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if inhaled. Avoid breathing vapors. Avoid contact with skin, eyes or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

**ENVIRONMENTAL HAZARDS:** 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. Do not contaminate water by cleaning of equipment or disposal of wastes.

## Directions for Use

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

Busan 1024 is a preservative that is effective for the protection of emulsion paints, adhesives, latex emulsions, construction materials, detergents laundry starch, petroleum products and recovery, fountain wash systems, textiles, inks, polishes and waxes, papermaking chemicals and coatings and metal working fluids. The directions given on this label show the range of effective concentrations indicated by laboratory tests on typical substrates, but it is recommended that appropriate preservation tests be run to determine the minimum amount of Busan 1024 needed to preserve a particular formulation. Technical assistance in the application of Busan 1024 as a preservative is available upon request when a description of the problem is provided.

\* Busan 1024 may not be used for preservation of materials which may contact food.

**EMULSION PAINTS:** For in-can preservation of emulsion paints, add 0.05 to 0.50% Busan 1024 by weight of the formulation (500 to 5000 ppm). The preservative can be added in the letdown or to any of the aqueous raw materials incorporated in the paint.

**ADHESIVES\*:** To protect adhesives based on starch, gums, latexes, cellulose, proteins, synthetic polymers, or other natural or synthetic materials from microbial degradation, add 0.1 to 0.50% Busan 1024 by weight of the formulation (1000 to 5000 ppm).

**LATEX EMULSIONS:** For the preservation of acrylic, vinyl acetate, styrene, and other latex emulsions, add 0.05 to 0.50% Busan 1024 by weight of the emulsion. (500 to 5000 ppm). Products containing no residual monomer will require concentrations in the higher part of the recommended concentration range.

**CONSTRUCTION MATERIALS:** To increase shelf and use life of caulking, grouting and spackling compounds and cements, add 0.05% to 0.15% BUSAN 1024 by weight of the formulation (500 to 1500 ppm).

**DETERGENTS:** To prevent bacterial deterioration during storages and to increase the shelf life of biodegradable surfactants, add 0.1 to 0.3% BUSAN 1024 by weight of the formulation (1000 to 3000 ppm).

**LAUNDRY STARCH:** To increase shelf and use life of liquid formulation add 0.1 to 0.3% Busan 1024 by weight of the formulation (1000 to 3000 ppm).

**PETROLEUM PRODUCTION AND RECOVERY:** To prevent bacterial growth in drilling muds, gypsum muds, packer fluids, underground flooding waters, and underground strata, add 0.2 to 0.3% by weight (2000 to 3000 ppm) Busan 1024.

**FOUNTAIN WASH SYSTEMS:** To prevent bacterial growth and odor in fountain wash systems, add 0.15 to 0.3% Busan 1024 by weight of formulation to fountain wash solutions (1500 to 3000 ppm).

**TEXTILES:** To prevent spoilage of spinning emulsions for rayon and finishing solutions and to prevent viscosity and pH changes in printing paste caused by bacteria and fungi, add 0.8 to 1.0% Busan 1024 by weight of the formulation (8000 to 10,000 ppm).

**INKS:** To increase the shelf life of water based fountain pen, fabric and paper printing inks, add 0.02 to 0.1 % Busan 1024 by weight of the formulation (200 to 1000 ppm).

**POLISHES AND WAXES:** To preserve water-based polishes and waxes in the can and during storage, add 0.3 to 0.75% Busan 1024 by weight of the product (3000 to 7500 ppm).

**PAPERMAKING CHEMICALS AND COATINGS\*:** To control the bacterial degradation of paper coatings, pigment slurries, and other aqueous formulations used in papermaking, add 0.3 to 0.50% Busan 1024 by weight of the formulation.

**METALWORKING FLUIDS:** Busan 1024 is recommended for use in metal working fluids to prevent bacterial contamination and subsequent malodor and loss of desired physical characteristics. The concentration of Busan 1024 needed depend upon the type of metal working fluid employed. In soluble oils and semisynthetic fluids, add sufficient Busan 1024 to provide a concentration of 0.30 to 0.50% (3 to 5 gallons Busan 1024 per 1000 gallons) in the diluted "ready to use" fluid. For synthetic metal working fluids, the concentration of Busan 1024 should be 0.10 to 0.50% (1 to 5 gallons Busan 1024 per 1000 gallons) of the diluted "ready to use" fluid.

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