

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 1448-351	DATE OF ISSUANCE <b>AUG 19 1996</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT  BUSAN 1104	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)  <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> <p>Buckman Laboratories, Inc.            1256 N. McLean Blvd.            Memphis, TN 38108</p> </div>		
NOTE: Changes in labeling formula 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 U.S. 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.  A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.  Registration is in no way to be construed as an indorsement or approval of this product by this 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)(c) provided that you:		
<ol style="list-style-type: none"> <li>1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 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.</li> <li>2. Make the labeling changes listed below before you release the product for shipment:           <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 1448-351".</li> <li>b. Since there is only one ingredient listed on the label, delete the letter "s" in the heading: Active Ingredient.</li> <li>c. The statement: "Pending EPA Approval" has been deleted from the draft label. These type of statements causes confusion especially when this statement appears in conjunction with an EPA Registration stamp. In addition, note the third paragraph of the Registration Notice which specifically states EPA Registration is not to be construed as an indorsement or approval of the product. This product meets the requirements for pesticide registration and therefore is issued a registration.</li> </ol> </li> </ol>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

d. The reference asterick must be retained for the site: Adhesives. Also it is preferred that you enlarge the asterick for legability purposes for both Paper Making Chemicals & Coatings and Adhesives.

e. It is preferred that the ingredient statement section be located directly under the product name.

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. Submit one (1) copy of the final printed label prior to release of the product for shipment.

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

Sincerely,

Marion Johnson  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

Enclosures

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

# BUSAN 1104

BUSAN is a registered trademark.

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes eye irritation and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT:** If in eyes, flush with plenty of water for at least 15 minutes. Get medical attention. If on skin, wash with plenty of soap and water. Remove and wash contaminated clothing before reuse.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**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.

## STORAGE AND DISPOSAL

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

**STORAGE:** Do not use or store near heat or open flame. Do not stack more than four 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 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 your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Dispose of liner in a sanitary landfill, or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

## DIRECTIONS FOR USE

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

Busan 1104 is a preservative that is effective for the protection of emulsion paints, adhesives, latex emulsions, and liquid polishes and waxes. 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 conducted to determine the minimum amount of Busan 1104 needed to preserve a particular formulation. Technical assistance with the application of Busan 1104 as a preservative is available upon request when a description of the problem is provided.

**EMULSION PAINTS:** For in-can preservation of emulsion paints, including acrylic, butadiene-styrene and PVA paints, add 0.025 to 0.4% (250 to 4,000 ppm) Busan 1104 based on the total weight of the formulation. The preservative can be added to the paint

### ACTIVE INGREDIENTS:

1H-Pyrazole-1-methanol, 3,5-dimethyl ..... 93.0 %

INERT INGREDIENTS: ..... 7.0 %

or any aqueous raw materials incorporated into the paint.

**ADHESIVES:** To protect adhesives, including natural gums, natural latex, PVA emulsions, synthetic gums, starched based adhesives (including non-converted tapioca, corn, and potato starches) and animal glues (including those derived from hide, bone, fish, blood or gelatin) or other adhesives, add 0.05 to 0.4% Busan 1104 based on the total weight of the formulation.

**LATEX EMULSIONS:** For the preservation of styrene-butadiene, PVA, acrylic and vinyl chloride, or other latex emulsions, add 0.02 to 0.3% Busan 1104 based on the total weight of the emulsion.

**POLISHES AND WAXES:** To preserve water-based polishes and waxes in-can during storage, add 0.02 to 0.3% Busan 1104 based on the total weight of the product.

**PAPERMAKING CHEMICALS AND COATINGS\*:** To control the bacterial degradation of paper coatings, size press solutions, wet-end starch slurries, wet-end cooked starch, and other formulations used in papermaking, add 0.05 to 0.4% (500 to 4,000 ppm) Busan 1104 based on the total weight of the formulation. For pigment slurries (including clay, titanium dioxide, and calcium carbonate based slurries) add 0.03 to 0.3% (300 to 3,000 ppm) Busan 1104 based on the total weight of the formulation.

**DETERGENTS:** To prevent bacterial degradation during storage and to increase shelf life of biodegradable surfactants, add 0.05 to 0.5% (500 to 5,000 ppm) Busan 1104 by weight of the formulation.

**INKS:** To increase the shelf life of water based fountain pen, fabric, or paper printing inks, add 0.05 to 0.3% (500 to 3,000 ppm) Busan 1104 by weight of the formulation.

**TEXTILES:** To prevent spoilage of spinning emulsions for rayon and finishing solutions and to prevent viscosity and pH changes in printing pastes caused by bacteria, add 0.05 to 0.3% (500 to 3,000 ppm) Busan 1104 by weight of the formulation.

**CONSTRUCTION MATERIALS:** To increase the shelf and use life of caulking, grouting, sealing and spackling compounds and cements, add 0.04 to 0.4% (400 to 4,000 ppm) Busan 1104 by weight of the formulation.

\* Busan 1104 may NOT be used for the preservation of materials which may contact food.

*Pending*

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

AUG 19 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for the maximum  
Registration under FIFRA, No.

1448-351

HEALTH HAZARD RATING  
Health 2, Flammability 1, Reactivity 1

Product Weight: 9.8 lbs./gal. 1.18 kg/l  
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-

Manufactured By EPA Est. No. 1448-TN-1, 1448-MO-1  
**BUCKMAN LABORATORIES, INC.**  
1256 N. MCLEAN BLVD., MEMPHIS, TN 38108 USA  
(901) 278-0300 or 1-800-BUCKMAN