

U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (H7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:
 1448-397

Date of Issuance:
 JUL 30 1997

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
 Conditional

Name of Pesticide Product:
 Busan 1174

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 1448-397".
 - b. Based on the Confidential Statement of Formula dated January 29, 1997 the label claim for this product should be:

Active Ingredients
 Polyoxyethylene (dimethyliminio)ethylene
 (dimethyliminio) ethylene dichloride 12.00%
 5-Chloro-2-Methyl-4-isothiazolin-3-one 1.04%
 2-Methyl-4-isothiazolin-3-one 0.37%
 Inert Ingredients 86.59%

Signature of Approving Official:

Date:


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Please note that the source product Kathon 886F EPA Reg. No. 707-130 has been changed to nominal concentration. Revise your label ingredient statement to comply with the source product.

3. Submit two copies of the revised final printed label for the record.

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.

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



Robert S. Brennis
Acting Product Manager (32)
Management Regulatory Branch II
Antimicrobials Division

BUSAN 1.74

BUSAN is a registered trademark.

KEEP OUT OF REACH OF CHILDREN
DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes eye damage and skin burns. May cause allergic skin reaction. Harmful if inhaled. Harmful if swallowed. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment:

If Swallowed: Do not induce vomiting. Drink promptly a large quantity of egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person. **If Inhaled:** Remove immediately to fresh air. If not breathing apply artificial respiration. If breathing is difficult give oxygen. Call a physician. **If on Skin:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before re-use. **If in Eyes:** Flush with plenty of water for 15 minutes. Call a physician. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes streams, ponds, estuaries, oceans, or public 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 waste. Apply this pesticide only as specified on the label.

STORAGE AND DISPOSAL

PROHIBITIONS: This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 of the nearest EPA Regional Office for guidance.

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

GENERAL: CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

DIRECTIONS FOR USE

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

ACTIVE INGREDIENTS:

| | |
|---|--------|
| Poly[oxyethylene(dimethyliminio)ethylene (dimethyliminio)ethylene dichloride | 12.00% |
| 5-Chloro-2-Methyl-4-isothiazolin-3-one | 0.97% |
| 2-Methyl-4-isothiazolin-3-one | 0.34% |
| INERT INGREDIENTS: | 86.69% |

COOLING WATER SYSTEMS: Busan 1174 may be used to control the growth of microorganisms including bacteria, algae and fungi in recirculating cooling water systems. In noticeably fouled systems, Busan 1174 should be added at a dosage rate of 5.8 to 34.8 fluid ounces per 1,000 gallons of system water (50 to 300 ppm Busan 1174). Extremely fouled systems should be cleaned to remove excess algal growth, excessive biofilm, and other deposits prior to program initiation. Subsequent additions of 0.58 to 17.4 fluid ounces of Busan 1174 per 1,000 gallons of system water (5 to 150 ppm Busan 1174) should be made to maintain control.

AIR WASH SYSTEMS: Busan 1174 may be used to control microbiological fouling in industrial air wash systems. Extremely fouled systems should be cleaned prior to the addition of Busan 1174. When systems are noticeably fouled, Busan 1174 should be added at an application rate of 5.8 to 46.4 fluid ounces per 1,000 gallons of system water (50 to 400 ppm Busan 1174) daily until control is evident. Subsequent additions of 5.8 to 29 fluid ounces per 1,000 gallons of system water (50 to 250 ppm Busan 1174) should be made as needed to maintain control.

METALWORKING FLUID SYSTEMS: Busan 1174 may be used to prevent microbial degradation and fouling in metalworking fluid systems. Busan 1174 should be added tank-side to the system at 11.6 to 116 fluid ounces per 1,000 gallons of dilute fluid (100 to 1,000 ppm product) as needed to maintain control. Systems with excessive fouling should be cleaned prior to initiating the program.

FIRE WATER PROTECTION SYSTEMS: Busan 1174 can be added to help control microorganisms which may foul or cause corrosion in fire water protection systems. Busan 1174 should be added to the system at a point where it will be adequately distributed throughout the system. Busan 1174 should be fed to maintain 100 to 400 ppm of product in the system. This will require an initial dose of 11.6 to 46.4 fluid ounces per 1,000 gallons of system water. Subsequent doses should be evaluated based on microbiological activity and product level testing.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 30

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

1448-397

HMIS/NPCA RATING
Health 3 Flammability 1 Reactivity 1

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

EPA Reg. No. 1448-

Manufactured By EPA Est. No. 1448-TN-1
BUCKMAN LABORATORIES, INC.
1256 N. McLEAN BLVD., MEMPHIS, TN 38108 USA
(901) 278-0330 or 1-800-BUCKMAN

Rev. 3/10/97

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