

1448-424

08/02/2002

1/3



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

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

EPA Reg.  
Number:

1448-424

Date of Issuance:

AUG 02 2002

Term of Issuance:

Name of Pesticide Product:

BUSAN 1078CF

Name and Address of Registrant (include ZIP Code):

Buckman Laboratories, Inc.  
1256 North 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/reregistration 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 or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

Add the phrase, "EPA Registration No. 1448-424".

Signature of Approving Official:

Marshall Swindell, Product Manager (33)  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Date:

AUG 02 2002

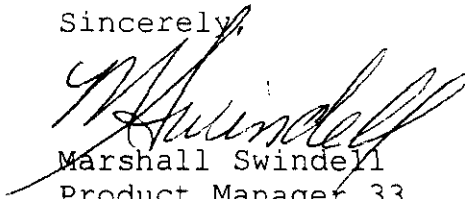
page 2  
EPA Reg. No. 1448-424

2. Submit five (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. Swindell", is written over the typed name.

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Enclosure

# 78CF

## DREN RO

### ANIMALS

for 15-20 minutes.  
first 5 minutes, then

treatment advice.

15-20 minutes.

2.

ately for treatment

ollow.

y the poison control

us person

mbulance, then give  
th if possible.

r treatment advice.

ng a Poison Control  
contact 901-278-0330

formation.

gastric lavage.

s. May cause allergic  
Do not get in eyes, on  
to this product must  
stant gloves such as  
shield; and chemical  
materials that have been  
concentrate. Do not reuse  
maintaining PPE. If no  
hot water. Keep and  
wash hands before  
toilet. Users should  
wash thoroughly and  
tely after handling this  
As soon as possible,  
ion reactions in some

fish and wildlife. Do  
akes streams, ponds,  
with the requirements  
(DES) permit and the  
o discharge. Do not  
ms without previously  
guidance contact your  
contaminate water by  
his pesticide only as

Industrial Microbicide for use in Paper Mills, Paper Coating Preservation, Industrial Recirculating Water Towers, Air Washer Systems, Industrial Recirculating Closed Loop Water Cooling Systems, Polymer Latex Preservation, Adhesive and Tackifier Preservation, Paint and Coatings Preservation, Building Material Preservation, Dispersed Pigment Preservation, Commercial Photoprocessing Preservation, Reverse Osmosis Systems, Conveyor Lubricants and Fuel Preservation.

#### ACTIVE INGREDIENTS:

5-Chloro-2-Methyl-4-isothiazolin-3-one...1.11%

2-Methyl-4-isothiazolin-3-one.....0.39%

INERT INGREDIENTS.....98.5 %

TOTAL.....100.0%

#### Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.  
**PESTICIDE STORAGE:** This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

#### 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.**

#### GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product in a way that will contact workers or other persons.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 02 2002

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

1448-424

Manufactured by

**Buckman Laboratories, Inc.**

1256 North McLean Blvd, Memphis, Tennessee 38108, USA  
(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-

Net contents are marked  
on the container.

Product Weight 8.4 lbs/gal. 1.02 kg/L

HMIS / NPCA Ratings

Last Revision

Health 3 Flammability 1 Reactivity 1

6/20/20

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

**PAPER MILLS:** Busan 1078CF is recommended for the control of bacteria and fungal slime in the production of paper. Point of Addition: Busan 1078CF should be added to a point in the system to insure uniform mixing such as the Beater, Hydropulper of Fan and Broke Storage Pumps. Dosage: Apply 0.44 to 1.5 lbs. (7 to 23 fluid ounces) of Busan 1078CF per ton (dry basis) of pulp and paper produced as a slug dose. If needed repeat daily. Badly fouled systems should be cleaned before initial treatment.

**PAPER COATING PRESERVATION:** Busan 1078CF is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings. Add 0.43 - 1.65 lbs of Busan 1078CF (195-750 g) to each 1,000 lbs (453 kg.) of fluid to provide 425 to 1,675 ppm (6.25 to 25 ppm active isothiazolones).

**INDUSTRIAL RECIRCULATING WATER COOLING TOWERS:** For the control of bacteria, algae and fungi add Busan 1078CF microbicide to the tower basin, distribution box or some other point to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm Busan 1078CF microbicide (1.26 to 7.46 pounds or 19 to 113 fluids ounces of Busan 1078CF per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm Busan 1078CF microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS:** For the control of bacteria, algae and fungi, add Busan 1078CF microbicide to the reservoir, recirculating line or some other point in the system to insure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 883 ppm Busan 1078CF microbicide (1.26 to 7.46 pounds or 19 to 11 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 35 to 219 ppm Busan 1078CF microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**POLYMER LATEX PRESERVATION:** Busan 1078CF microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate, and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymer. Add 0.43-3.3 lbs. of Busan 1078CF 1.5% microbicide (195 g - 1.5 kg) to each 1,000 lbs. (454 kg) of emulsion to provide 425 to 3,350 ppm product (6.25 to 50 ppm active isothiazolones). NOTE: To insure uniform mixing add Busan 1078CF microbicide to latex or solutions slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

**ADHESIVE AND TACKIFIER PRESERVATION:** Busan 1078CF microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene, and acrylic latices. Busan 1078CF microbicide is recommended as a preservative for tackifiers derived from resin and hydrocarbon resins. Add 0.43-1.65 lbs of Busan 1078CF 1.5% microbicide (195 - 750 g) to each 1,000 lbs (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

**PAINT AND COATINGS PRESERVATION:** Busan 1078CF microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings and paints used for architectural product finishes, and special purpose coatings. Add 0.43 - 1.65 lbs. of Busan 1078CF microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

**BUILDING MATERIAL PRESERVATION:** Busan 1078CF microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building material such as mastics, caulks, joint cement, spackling and grouting. Add 0.43 - 1.65 lbs. of Busan 1078CF microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

**DISPERSED PIGMENT PRESERVATION:** Busan 1078CF microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and Kieselguhr used in paint and paper production. Add 0.43 - 1.65 lbs. of Busan 1078CF microbicide (195 - 750 g) to each 1000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

**REVERSE OSMOSIS SYSTEMS:** Busan 1078CF may be used to control microbiological fouling in reverse osmosis systems used for process water and other non-potable applications. Busan 1078CF should be fed to the membrane feedwater at a rate of 20-120 ppm (2.75-16.5 fluid ounces per 1000 gallons of water). The product should be added continuously for a time period of 1-24 hours, 1-7 days each week depending on the severity of the problem. For off-line cleaning, Busan 1078CF should be added to provide a level of 100-400 ppm (13.75-55 fluid ounces per 1000 gallons) in the soak solution.

**COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION:** Busan 1078CF is recommended to prevent slime formation or accumulation in filters and ion exchange resin tanks of commercial photoprocessing systems. For the maintenance of a non-fouled system, use Busan 1078CF at 32 - 64 fluid ounces (2.1 lbs. - 4.2 lbs.) per 1,000 gallons water in the system once weekly, or as needed, to maintain control of slime. For a noticeably fouled system, use an initial dose of 64 - 154 fluid ounces (4.2 lbs. - 10 lbs.) per 1,000 gallons water to be followed by subsequent maintenance dosage. A high dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the final rinse or used water collection tank.

**CONVEYOR LUBRICANTS:** Busan 1078CF can be used to control microorganisms in water-based conveyor lubricants. Busan 1078CF can either be added to the lubricant concentrate or can be added to the lubricant dilution feed line using a chemical metering pump. In lubricant concentrates, Busan 1078CF should be added at a level that will ensure a final use dilution of 200 - 1000 ppm of Busan 1078CF (3 - 5 ppm active). When fed to the lubricant dilution feed line, an initial metered dose of 50 - 126 fluid ounces of Busan 1078CF per 1000 gallons of diluted conveyor lubricant is recommended until control is achieved. A subsequent metered dose of 26 - 126 fluid ounces per 1000 gallons should be made to maintain 3-15 ppm active Busan 1078CF in the diluted conveyor lubricant.

**FUEL PRESERVATION:** Busan 1078CF is recommended for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fuels, kerosene, heating oils, diesel fuels, residual fuel oils, coal slurries, liquefied petroleum gases and petrochemical feedstocks. Method of Addition: Busan 1078CF should be directly dispersed into a fuel tank, storage tank or a flowing stream of fuel in a manner to ensure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended. Curative Dose: When the system is noticeably fouled, add 1-2 gallons Busan 1078CF per 10,000 gallons of fluid in the system. This will provide 100 to 200 ppm of Busan 1078CF and 1.5-3.0 ppm active ingredient. Repeat until control is achieved. A shock dose of up to 4 gallons of Busan 1078CF per 10,000 gallons of fluid is recommended in the case of extreme contamination. Grossly contaminated systems should be physically cleaned to remove debris. Maintenance Dose: When the system is noticeably fouled, add 0.5 to 1.5 gallons of Busan 1078CF per 10,000 gallons of fluid to maintain the system. This will provide 50 to 150 ppm of Busan 1078CF and 0.75-2.25 ppm active ingredient. Repeat every 4-6 weeks or when microbial contamination is detected.

FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

3/3