

1448-424

09/02/2009

1/5

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



United States
Environmental Protection
Agency

Office of Pesticide Programs

SEP 02 2009

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

Attention: Zofia C. Schmidt
Regulatory Affairs Specialist

Subject: BUSAN 1078cf
EPA Registration No. 1448-424
Notification Dated August 6, 2009

This will acknowledge receipt of your notification to add the statement "Not registered for this use in California" to the product label, submitted under the provisions of FIFRA . Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in cursive script, appearing to read "M Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 1448-424	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BUSAN 1078CF	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Buckman Laboratories, Inc. 1256 N. McLean Blvd Memphis, TN 38108 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of a marketing limitation by addition of the statement, "Not registered for this use in California.", to three uses on the label.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR §152.46, and no other changes have been made to the labeling or the confidential statement of formula of these products. I understand that it is a violation of 19 USC § 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR § 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per container If "Yes" Package wgt. No. per container					
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Zofia C. Schmidt		Title Regulatory Affairs Specialist		Telephone No. (Include Area Code) (901) 272-8580	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Affairs Specialist			
4. Typed Name Zofia C. Schmidt		5. Date 8/6/09			

Buckman
LABORATORIES

BUCKMAN LABORATORIES INTERNATIONAL, INC.

1256 NORTH McLEAN BLVD.
MEMPHIS, TN 38108-1241 U.S.A.
TELEPHONE (901) 278-0330
FAX (901) 276-5343
www.buckman.com
e-mail: knetix@buckman.comvia Federal Express

August 6, 2009

Mr. Marshall Swindell, PM 33
Regulatory Management Branch I
Antimicrobial Division (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

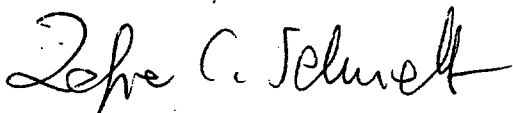
Re: Busan 1078CF Reg. No. 1448-424
Notification of Label Change

Dear Mr. Swindell:

Please find enclosed EPA Form 8570-1 to add the statement "**Not registered for this use in California.**" to three uses on the label as a Notification. No other changes have been made to the label; therefore, Buckman does not believe this action warrants a full label review.

Please don't hesitate to call me at (901) 272-8580 should you need additional information.

Sincerely,
BUCKMAN LABORATORIES INTERNATIONAL, INC.



Zofia C. Schmidt
Regulatory Affairs Specialist

Busan® 1078CF

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 Packfiller 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: 9

TOTAL	0	0	0	0	0	100.0%
-------	---	---	---	---	---	--------

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> • 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.
If on Skin or Clothes	<ul style="list-style-type: none"> • 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.
If Swallowed	<ul style="list-style-type: none"> • Call a 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If Inhaled	<ul style="list-style-type: none"> • 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.

<p align="center">HOT LINE NUMBER</p> <p>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.</p>
--

<p align="center">NOTE TO PHYSICIAN</p> <p>Probable mucosal damage may contraindicate the use of gastric lavage.</p>

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. Do not get in eyes, on skin, on clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

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.

DIRECTIONS FOR USE

It is 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 ensure uniform mixing such as the Beater, Hydrolpulper 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® 108CF 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 108CF (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 ensure 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 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.

AIR WASH SYSTEMS: Add to the air washer sump or chill water sump, to ensure uniform mixing, 35 to 883 ppm Busan 1078CF microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer systems. Intermittent or Slug Method—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 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) weekly or as needed to maintain control. Continuous Feed Method—Initial Dose: When the system is just noticeably fouled, apply 148 to 883 ppm Busan 1078CF microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system). Subsequent Dose: Maintain this treatment level by adding a continuous feed of 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 makeup water). Badly fouled systems must be cleaned before initial treatment. NOTE: For use only in industrial air washing systems that maintain effective mist eliminating components.

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 ensure uniform mixing. Initial Dose: When the system is noticeably fouled, apply 148 to 893 ppm Busan 1078CF microbicide (1.26 to 7.46 pounds or 19 to 113 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 0.4–3.3 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 ensure 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 1,000 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 1,000 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 1,000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones). **Not registered for this use in California.**

REVERSE OSMOSIS SYSTEMS: Busan 1 osmosis systems used for process water at to the membrane feedwater at a rate of 2C The product should be added continuously on the severity of the problem. For off-line 100-400 ppm (13.75-55 fluid ounces per 1

COMMERCIAL PHOTOPROCESSING prevent slime formation or accumulat^o photoprocessing systems. For the mainteⁿ ounces (2.1 lbs.-4.2 lbs.) per 1,000 gallor control of slime. For a noticeably fouled sys per 1,000 gallons water to be followed by increased frequency of treatment may be makeup fluid, the nature and severity of system design, etc. The preservative should

CONVEYOR LUBRICANTS: Busan 1078C veyor lubricants. Busan 1078CF can either lubricant dilution feed line using a chemical be added at a level that will ensure a final u When fed to the lubricant dilution feed line, per 1,000 gallons of diluted conveyor lubr metered dose of 26-126 fluid ounces per Busan 1078CF in the diluted conveyor lubr

FUEL PRESERVATION: Busan 1078CF following liquid hydrocarbon fuels and oils residual fuel oils, coal slurries, liquified petr Busan 1078CF should be directly disperse manner to ensure uniform distribution of th methods are recommended. Curative, Dc Busan 1078CF per 10,000 gallons of fluid it and 1.5-3.0 ppm active ingredient. Repea Busan 1078CF per 10,000 gallons of fluid contaminated systems should be physically is noticeably fouled, add 0.5 to 1.5 gallon/ system. This will provide 50 to 150 ppm o every 4-6 weeks or when microbial contan

FOR USE IN AVIATION FUEL, THE FEDE TO THE ACCEPTABILITY OF THE ADD^o Not registered for this use in California.

STORAGE

PESTICIDE STORAGE: This product is cc containers.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. If Federal law. If these wastes cannot be disposed of by the above methods, they must be sent to a Pesticide or Environmental Control Agency Regional Office for guidance.

CONTAINER DISPOSAL

METAL CONTAINERS: Triple rinse (or equivalent) and dispose of in a sanitary landfill, or by other means.
PLASTIC CONTAINERS: Triple rinse (or equivalent) and dispose of in a sanitary landfill, or by incineration. If burned, stay out of smoke.

GENERAL: CONSULT FEDERAL, STATE
ALTERNATIVE PROCEDURES.

GENERAL PRECAUTIONS AND RESTRICTIONS
Do not apply this product in a way that will c

Buckmar

1256 N. McLean Blvd

(901) 278

EPA Est. No. 1448-T

Product Weight

NET CONTENTS

HA

Health 3 F

5/5

1078CF

Preservation, Industrial Recirculating Closed Loop Water Cooling Systems, Aviation, Paint and Coatings Preservation, Commercial Photoprocessing Systems and Fuel Preservation.

.....	1.11%
.....	0.39%
.....	98.50%
.....	100.0%

F CHILDREN ELIGRO

with water for 15–20 minutes.
a first 5 minutes, then continue rinsing

rther treatment advice.

r for 15–20 minutes.
atment advice.

diately for treatment advice.
swallow.

y by a poison control center or doctor.
icious person.

ubalance, then give artificial respiration,

rther treatment advice.

ER

on Control Center or doctor, or going for
IAN for emergency medical treatment

IAN

tric lavage.

ITEMENTS

PESTICIDE ANIMALS

y cause allergic skin reaction. Harmful if
ing. Mixers, loaders and others exposed to
cal resistant gloves such as nitrile or butyl
I resistant apron. Discard clothing or other
inated with this product's concentrate. Do
aintaining PPE. If no such instructions for
PPE separately from other laundry. Users
tobacco or using the toilet. Users should
oroughly and put on clean clothing. Users
the outside of gloves before removing. As
sensitization reactions in some people.

and wildlife. Do not discharge effluent
ans, or public waters unless in accordance
nation System (NPDES) permit and the
. Do not discharge effluent containing this
al sewage treatment plant authority. For
if the EPA. Do not contaminate water by
only as specified on the label.

DIRECTIONS FOR USE

It is 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 ensure 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 ensure 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 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.

AIR WASH SYSTEMS: Add to the air washer sump or chill water sump, to ensure uniform mixing, 35 to 883 ppm Busan 1078CF microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer systems. Intermittent or Slug Method—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 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) weekly or as needed to maintain control. Continuous Feed Method—Initial Dose: When the system is just noticeably fouled, apply 148 to 883 ppm Busan 1078CF microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078CF per 1,000 gallons of water in the system). Subsequent Dose: Maintain this treatment level by adding a continuous feed of 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 makeup water). Badly fouled systems must be cleaned before initial treatment. NOTE: For use only in industrial air washing systems that maintain effective mist eliminating components.

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 ensure 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 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 ensure 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 1,000 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 1,000 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 1,000 lbs. (454 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones). Not registered for this use in California.

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 1,000 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 1,000 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 micro-organisms 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 1,000 gallons of diluted conveyor lubricant is recommended until control is achieved. A subsequent metered dose of 26–126 fluid ounces per 1,000 gallons should be made to maintain 3–15 ppm active Busan 1078CF in the diluted conveyor lubricant. Not registered for this use in California.

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. Not registered for this use in California.

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.

Manufactured by:

Buckman Laboratories, Inc.

1256 N. McLean Blvd., Memphis, Tennessee 38108, U.S.A.

(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-424

Product Weight

8.4 lbs/gal 1.02 kg/l

NET CONTENTS MARKED ON CONTAINER

HMIS/NPCA RATING

Health 3 Flammability 0 Reactivity 0

Revised: 08/06/09

5/5