



BEST AVAILABLE IMAGE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAY 27 1998

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Buckman Laboratories, Inc.  
1256 North McLean Blvd.  
Memphis, TN 38108-1241

Attention: Carl F. Watson

Subject: BUSAN 1078  
EPA Registration Number 1448-348  
Your Submission Dated March 24, 1998  
EPA Received Date March 25, 1998

The amendment referred to above, submitted in connection with registration under the section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to include the use site and directions, "Conveyor Lubricant Preservation", is acceptable provided that you comply with the items below:

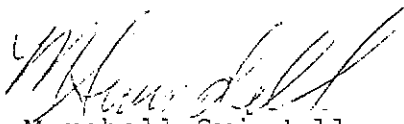
1. Submit/cite all data required for registration/-reregistration of your product under FIFRA section 3(c)(5) and section when the Agency requires all all registrants of similar products to submit such data.
2. Submit five copies of your final printed labeling before the release of the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

If you have any questions concerning this letter,  
please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely yours,



Marshall Swindell  
Product Manager(33)  
Regulatory Management Branch I  
Antimicrobial Division (7510W)

Enclosure

# BUSAN 1078

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 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 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 waste are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these waste 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.

**PAPERMILLS:** Busan 1078 is recommended for the control of bacteria and fungal slime in the production of paper. Point of Addition: Busan 1078 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 1078 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 1078 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 1078 (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 1078 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 1078 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078 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 1078 microbicide (0.3 to 1.86 pounds or 4.5 to 23 fluid ounces of Busan 1078 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 WASHER SYSTEMS:** Add to the air washer sump or chill water sump, to insure uniform mixing. 35 to 883 ppm Busan 1078 microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of Busan 1078 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 1078 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078 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 1078 microbicide (0.3 to 1.86 pounds or 4.5 to 23 fluid ounces of Busan 1078 per 1,000 gallons of water in the system) 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 1078 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078 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 1078 microbicide (0.3 to 1.86 pounds or 4.5 to 23 fluid ounces of Busan 1078 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 1078 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 1078 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Busan 1078 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 1078 microbicide (0.3 to 1.86 pounds or 4.5 to 23 fluid ounces of Busan 1078 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 1078 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latexes including: styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate, and butadiene/styrene for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers. Add 0.43-3.3 lbs of Busan 1078 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 51 ppm active isothiazolones). **NOTE:** To insure uniform mixing add Busan 1078 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 1078 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 latexes, polyvinyl acetate, styrene-butadiene, and acrylic latexes. Busan 1078 microbicide is recommended as a preservative for tackifiers derived from resin and hydrocarbon resins. Add 0.43-1.65 lbs of Busan 1078 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 1078 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 1078 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 1078 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 1078 microbicide

5-Chloro-2-Meth

2-Methyl-4

IMERT

(195 - 750 g) to each 1000 lbs. (454 kg) of active isothiazolones). **DISPERSED** recommended for the control of bacteria pigments such as kaolin clay, montmorillonite barium sulfate, magnesium silicate, and 1.65 lbs. of Busan 1078 microbicide (195 - 1,675 ppm product (6.25 to 25 ppm active isothiazolones). **SYSTEM PRESERVATION:** Busan 1078 in filters and ion exchange resin tanks of a non-fouled system, use Busan 1078 water in the system once weekly, or as a system, use an initial dose of 64 - 134 followed by subsequent maintenance treatment may be required depending upon nature and severity of contamination, level etc. The preservative should be discarded. **REVERSE OSMOSIS SYSTEMS:** Busan 1078 reverse osmosis systems used for process should be fed to the membrane feedwater (gallons of water). The product should be added to provide a level of 100 - 400 ppm (3 - 5 ppm active). **CONVEYOR LUBRICANTS:** Busan 1078 should be added at a level of 126 fluid ounces of Busan 1078 per 1,000 gallons of water. The product should be added to the lubricant dilution feed line. **BASED CONVEYOR LUBRICANTS:** Busan 1078 should be added at a level of 126 fluid ounces of Busan 1078 per 1,000 gallons of water. The product should be added to the lubricant dilution feed line. **LIQUID HYDROCARBON FUELS AND OILS:** Busan 1078 should be added at a level of 126 fluid ounces of Busan 1078 per 1,000 gallons of fuel. The product should be added to the fuel in a manner to insure uniform distribution. **BE CONSULTED AS TO THE ACCEPTABLE CONCENTRATIONS OF BUSAN 1078 IN FUELS AND OILS.**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
MAY 27 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide. NET CC registered under EPA Reg. No. Manu 1448-348 BU 1256 M (SC

Revised 2/3/98