

1448-435

04/23/2010

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



Office of Pesticide Programs

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

APR 23 2010

Attention: Carl F. Watson, Ph.D.

Subject: BUSAN 1265WB
EPA Registration No. 1448-435
Amendment Dated March 16, 2010

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

Proposed Amendment

- To Revise Storage and Disposal Section per PR Notice 2007-4

General Comment

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

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

Sincerely

A handwritten signature in black ink, appearing to read "M. Swindell". The signature is fluid and cursive, written over the printed name.

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

Enclosure

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BUSAN® 1265WB**Buckman**

A WATER-BASED FORMULATION TO INHIBIT AND CONTROL THE GROWTH OF MICROORGANISMS IN VARIOUS INDUSTRIAL PROCESS AND WATER SYSTEMS AND **ACCEPTED** PRESERVATION.

with COMMENTS
EPA Letter Dated:

APR 23 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
extended for the pesticide,
registered under EPA Reg. No. 1448-435

ACTIVE INGREDIENT(S):

Methylene bis thiocyanate

10.0%

INERT INGREDIENTS:90.0%**TOTAL**

100.00%

KEEP OUT OF REACH OF CHILDREN**DANGER PELIGRO**

FIRST AID	
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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 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.
If on Skin, 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 for treatment advice.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

if swallowed. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors. Wear protective eyewear such as goggles or a face shield, and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

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.

NOTICE TO BUYER: Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. There are no warranties, which extend beyond the description on this label.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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All ppms are expressed as active ingredient in water. BUSAN 1265WB is effective against a wide variety of bacteria, fungi and yeast in various Industrial Process and Water Systems and Material Preservation. The following guidance is given as a range for each pattern. Actual fieldtesting is recommended to achieve optimum effectiveness. BUSAN 1265WB is approved by the FDA (21 CFR 176.300) for use in the manufacturer of paper and paper-board that contacts food. Other than the paper related uses on this label, do not use for any other listed applications, which may involve indirect food or drinking water contact.

INDUSTRIAL PROCESS AND WATER SYSTEMS AIR WASHER SYSTEMS: For use only in industrial air washing systems that maintain effective mist eliminating components. Add 0.12 to 0.90 pounds of BUSAN 1265WB to 1000 gallons of water (1.4 to 10.8 ppm) in the air washer sump, or chill water sump to ensure uniform mixing, for the control of bacteria, fungi, and algae. A repeat treatment may be needed depending on the severity of contamination.

RECIRCULATING COOLING TOWERS: For the control of bacteria, algae and fungi, feed BUSAN 1265WB to the tower basin or some other point to ensure uniform mixing. Add 0.3 to 1.86 pounds per 1000 gallons of water (3.6 to 22 ppm) weekly or as needed for maintenance. For noticeably fouled systems use an initial dose of 0.40 to 0.90 pounds of BUSAN 1265WB (4.8 to 11 ppm) per 1000 gallons of water. Repeat if necessary to achieve control.

PAPER AUXILIARIES/ADDITIVES: Use BUSAN 1265WB as a preservative for the control of bacteria and fungi in paper and paper additives and as slug dose for the control of bacterial and fungal slime in the production of paper. BUSAN 1265WB may be fed directly to the additive at the following dose ranges or to the Beater or Hydropulper to ensure uniform mixing.

DOSE RANGES PER 1000 GALLONS OF WATER:

Paper Auxiliaries/Additives 6.9 to 69 pounds (82-827) ppm
Paper Slurries 6.9 to 69 pounds (82-827) ppm

DOSE RANGES PER TON (DRY BASIS) OF PULP OR PAPER PRODUCED:

Paper Mills 0.14 to 0.36 pounds (7 to 18) ppm

BREWERY PASTEURIZER WATER: For Control of Bacteria, Yeasts and Fungi: Dosages of BUSAN 1265WB will depend upon the condition of the system. Systems, which are heavily contaminated, should be cleaned first. BUSAN 1265WB should be added to the first section of the pasteurizer. The initial dose should be (0.19 to 0.37 pounds of BUSAN 1265WB per 1000 gallons of water (2.3 to 4.4 ppm) once or twice weekly, or as needed to obtain control of slime forming organisms. To maintain control, add 0.092 to 0.84 pounds per 1000 gallons of water of BUSAN 1265WB (1.1 to 10 ppm) once, twice or three times weekly, or as needed. Addition of BUSAN 1265WB may be continuously or intermittently, as required to control growth.

PETROLEUM PRODUCTION AND DISTRIBUTION DRILLING, COMPLETION AND WORKOVER FLUIDS: Add BUSAN 1265WB to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. Initial Treatment: Add 0.2 to 4.0 gallons of BUSAN 1265WB per 100 barrels of fluid (4.1 to 83 ppm) to a freshly prepared fluid depending on the severity of contamination. Maintenance Dose: Maintain a dose of 4.1 to 83 ppm by adding 0.2 to 4.0 gallons of BUSAN 1265WB per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

HYDROTESTING: Water used to hydrotest pipelines or vessels should contain 0.1 to 40 gallons of BUSAN 1265WB per 1000 gallons of water (11 to 4400 ppm), depending on water quality and length of time the equipment will remain idle.

ACCEPTED
with COMMENTS
EPA Letter Dated:

APR 23 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1448-435

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool dry place in tightly closed original containers. Keep container tightly 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 the nearest EPA Regional Office for guidance.

ACCEPTED
with COMMENTS
EPA Letter Dated:
JUL 23 2010
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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registered under EPA Reg. No. 1448-43

CONTAINER DISPOSAL

(TEXT FOR ALL NONREFILLABLE CONTAINERS)

NONREFILLABLE CONTAINERS: Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. **Plastic Containers:** May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Liquid residue removal statement for nonrefillable containers with capacity of 5 gals or less:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container half full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Liquid residue removal statement for nonrefillable containers with capacity of >5 gals: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container half full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(TEXT FOR ALL NONREFILLABLE CONTAINERS)

Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

(TEXT FOR ALL REFILLABLE CONTAINERS)

REFILLABLE CONTAINERS. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

For containers larger than 55 gallons: To clean the container prior to refilling or disposal, use a pressure wash as follows: Empty the remaining contents into application equipment or a mix tank. Use a pressure wash system that rinses all interior sides with water and that is rated at >40 psi and >120°F. Pressure wash the container for a length of time that ensures that a minimum 25% of the container volume of water is used. During the pressure wash, ensure that the container valve is left open for continuous draining. Collect the rinsate and empty into application equipment or a mix tank or store rinsate for later use or disposal. Allow container to drain for 10 minutes after pressure wash is completed.

For containers 55 gallons and smaller: To clean the container prior to refilling or disposal, use a triple rinse wash as follows: Empty the remaining contents from this container into application equipment or

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a mix tank. Fill the container about 10 percent full with water. Agitate vigorously. Pour or pump rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this rinsing procedure two more times.

Do not discharge rinsate containing this product 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 rinsate containing this product to sewer systems without prior approval from the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

ACCEPTED
with COMMENTS
EPA Letter Dated:

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.

Batch code: _____

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1448-435

MATERIAL PRESERVATION

ADHESIVE, GLUES AND TACKIFIER PRESERVATION: Add BUSAN 1265WB as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives. BUSAN 1265WB can be directly mixed homogeneous into the dry glues before they are concentrated.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Albumin Containing Glues	6.9 to 69 pounds (82-827) ppm
Bone Glues	6.9 to 69 pounds (82-827) ppm
Casein-Containing Adhesives	6.9 to 69 pounds (82-827) ppm
Cellulose-Based Adhesives	6.9 to 69 pounds (82-827) ppm
Dextrin-Based Adhesives	6.9 to 69 pounds (82-827) ppm
Fish Glues	6.9 to 69 pounds (82-827) ppm
Gelatin-Based Glues	6.9 to 69 pounds (82-827) ppm
Leather Glues	6.9 to 69 pounds (82-827) ppm
Plant Glues	6.9 to 69 pounds (82-827) ppm
Polymer Dispersion-Based Adhesives	6.9 to 69 pounds (82-827) ppm
Skin Glues	6.9 to 69 pounds (82-827) ppm
Starch-Based Glues (Liquid)	6.9 to 69 pounds (82-827) ppm
Starch-Based Glues (Solid)	6.9 to 69 pounds (82-827) ppm

CONSTRUCTION PRODUCTS AND HOUSEHOLD PRODUCTS: Add BUSAN 1265WB for the control of bacteria and fungi in water soluble and water dispersed construction products. BUSAN 1265WB can be fed either directly to the finished construction or household product or to one of the raw materials used in the formulation of the construction and/or household product.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Biopolymers (e.g. Xanthan)	6.9 to 69 pounds (82-827) ppm
Caulking Materials	6.9 to 69 pounds (82-827) ppm
Mastics	6.9 to 69 pounds (82-827) ppm
Ceramic Glazes	6.9 to 69 pounds (82-827) ppm
Chemical Cleaning Solutions	6.9 to 69 pounds (82-827) ppm

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Cleaning Solutions	6.9 to 69 pounds (82–827) ppm
Concrete and Masonry Additives	6.9 to 69 pounds (82–827) ppm
Concrete	6.9 to 69 pounds (82–827) ppm
Fire Extinguishing Medium	6.9 to 69 pounds (82–827) ppm
Photographic Gelatins	6.9 to 69 pounds (82–827) ppm
Plasters	6.9 to 69 pounds (82–827) ppm
Polishes	6.9 to 69 pounds (82–827) ppm
Rubber Systems	6.9 to 69 pounds (82–827) ppm
Tints	6.9 to 69 pounds (82–827) ppm
Wax Emulsions	6.9 to 69 pounds (82–827) ppm

FUEL PRESERVATION: Add BUSAN 1265WB 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 feedstock. Add BUSAN 1265WB directly into a fuel tank, storage 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. When the system is noticeably fouled, add 32–64 fluid ounces of BUSAN 1265WB per 10,000 gallons of fluid in the system. This will provide 25 to 50 ppm of BUSAN 1265WB and 2.5–5.0 ppm active ingredient. Repeat until control is achieved. Grossly contaminated systems should be physically cleaned to remove debris. When the system is noticeably fouled add 64–128 fluid ounces of BUSAN 1265WB per 10,000 gallons of fluid to maintain the system. This will provide 50 to 100 ppm of BUSAN 1265WB and 5.0–10 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.**

LEATHER TANNING: BUSAN 1265WB is used as a preservative for the control of bacteria and fungi. Add BUSAN 1265WB directly into pickle solutions. An effective protection against mold attack may be obtained by adding BUSAN 1265WB into the basifying solution. Finished vegetable-tanned leathers and chrome leathers may also be protected against mold attack by a treatment on both sides of the material with a 0.025%–0.25% solution of BUSAN 1265WB.

Dose Ranges:

Chrome leather (calculated on pelt weight)	0.025–0.25%
Leather pasting adhesives	0.025–0.25%
Leather pigment finishes	0.025–0.25%
Pickle solutions and pickled hides	0.025–0.25%

METALWORKING FLUIDS, LUBRICANTS AND MINERAL OIL BASED PRODUCTS: Use BUSAN 1265WB as a preservative for the control of bacteria and fungi in Metalworking, Lubricants and Mineral Oil Based Products. Add BUSAN 1265WB directly to the cutting oil as recommended.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Metalworking fluids-Mineral Oil Based

Boring and Cutting Oils	6.9 to 37 pounds (82–444) ppm
Cooling fluids (concentrates)	6.9 to 37 pounds (82–444) ppm
(ready for use)	6.9 to 37 pounds (82–444) ppm
Fuel oils	6.9 to 37 pounds (82–444) ppm
Hydraulic oils	6.9 to 37 pounds (82–444) ppm

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Metalworking fluids-Non-Mineral Oil Based

Cooling fluids 6.9 to 37 pounds (82-444) ppm

Cutting Oils 6.9 to 37 pounds (82-444) ppm

PAINTS, COATINGS AND STAINS: BUSAN 1265WB is generally incorporated directly into pigments and fillers, but it can also be first dissolved in a suitable solvent, such as water, or added directly to the pre-heated binder systems. For best results, BUSAN 1265WB should be homogeneously incorporated into the stain or paint.

Discoloration may occur, and should be evaluated.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Alkyd Resin-Based Systems 6.9 to 69 pounds (82-827) ppm

Casein-Systems 6.9 to 69 pounds (82-827) ppm

Latex-Based Systems 6.9 to 69 pounds (82-827) ppm

Oil-Containing Systems 6.9 to 69 pounds (82-827) ppm

Synthetic Resin Dispersions 6.9 to 69 pounds (82-827) ppm

PIGMENTS, DYES AND FILLER SUSPENSIONS:

BUSAN 1265WB is metered directly into the material to be preserved during the cooling step after the temperature falls below 50°C and homogeneously distributed by stirring.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Calcium Carbonate Slurries 6.9 to 69 pounds (82-827) ppm

Carbon Black Pigment Slurries 6.9 to 69 pounds (82-827) ppm

Clay Slurries 6.9 to 69 pounds (82-827) ppm

Iron Oxide Pigment Slurries 6.9 to 69 pounds (82-827) ppm

Kaolin Slurries 6.9 to 69 pounds (82-827) ppm

Organic Dyes and Pigment Slurries 6.9 to 69 pounds (82-827) ppm

Other Filler Suspensions 6.9 to 69 pounds (82-827) ppm

Starch Slurries 6.9 to 69 pounds (82-827) ppm

Dispersing agent tank 6.9 to 69 pounds (82-827) ppm

POLYMER DISPERSIONS AND EMULSIONS: BUSAN 1265WB is added immediately after the preparation of the polymer dispersion or emulsion during the cooling process. Mix BUSAN 1265WB evenly with dispersing agents for processes where the temperature does not exceed 50°C. Losses of active ingredient caused by elevated temperatures should be avoided.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

(Polymer Dispersions and Emulsions):

Acrylic-Systems 6.9 to 69 pounds (82-827) ppm

Other Polymer Dispersions 6.9 to 69 pounds (82-827) ppm

Polyester-Based Systems 6.9 to 69 pounds (82-827) ppm

Polyurethane-Based Systems 6.9 to 69 pounds (82-827) ppm

Polyvinyl acetate (PVA) Systems 6.9 to 69 pounds (82-827) ppm

Styrene Butadiene Systems 6.9 to 69 pounds (82-827) ppm

Vinyl Acrylic-Based Systems 6.9 to 69 pounds (82-827) ppm

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TEXTILES: Add BUSAN 1265WB directly to the textile normally by dipping or spraying. The preservative is affixed to the fiber with a suitable acid like acetic acid. For the preservation of auxiliaries, BUSAN 1265WB is diluted in solvents as mentioned above or is homogeneously distributed with the aid of alkaline solutions or emulsion concentrates. Print thickeners are preserved by adding BUSAN 1265WB directly to the emulsion or homogeneously metered directly into the dried product. Milling may be necessary in order to obtain consistent particulate sizes.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Auxiliaries

(Sizing Agents, Finishing Agents, Spinning Preparations,

Wetting Agents)	6.9 to 69 pounds (82-827) ppm
Awnings and Tarpaulins	6.9 to 69 pounds (82-827) ppm
Carpets	6.9 to 69 pounds (82-827) ppm
Cotton Production	6.9 to 69 pounds (82-827) ppm
Felts	6.9 to 69 pounds (82-827) ppm
Fire Hoses	6.9 to 69 pounds (82-827) ppm
Geotextiles	6.9 to 69 pounds (82-827) ppm
Jute, Sisal	6.9 to 69 pounds (82-827) ppm
Shower Curtains	6.9 to 69 pounds (82-827) ppm
Upholstery	6.9 to 69 pounds (82-827) ppm
Wool Production	6.9 to 69 pounds (82-827) ppm

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NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-435

EPA Est. No. 1448-TN-1

HMIS/NPCA RATING

Health 2 Flammability 1 Reactivity 0

Manufactured by:

Buckman Laboratories, Inc.

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

(901) 278-0330 or 1-800-282-5626

Revised: 03/09/10