

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



Office of Pesticide Programs

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

APR 20 2010

Attention: Carl F. Watson, Ph.D.

**Subject: TCMTB 5WB**  
EPA Registration No. 1448-386  
Amendment Dated March 1, 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 that reads "M Swindell".

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

Enclosure

# TCMTB 5WB

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ACCEPTED  
with COMMENTS  
EPA Letter Dated:

## Buckman

ACTIVE INGREDIENT(S)  
2-(Thiocyanomethylthio)benzothiazole.....  
INERT INGREDIENTS.....  
TOTAL.....

APR 20 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1448-386

5.0%  
95.0%  
100.0%

### KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
If in Eyes	- 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, Clothes	- 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	- Call 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 Inhaled	- 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-767-2722 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage. Causes skin damage. This product may cause allergic skin reactions. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not use in offshore or estuarine drilling operations. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

### Storage and Disposal

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

**PESTICIDE STORAGE:** Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container 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 your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

(Text for all nonrefillable containers)

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

{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 ¼ 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 ¼ 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 refillable containers)

Refillable container. 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 >120F. 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 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.

Batch code: \_\_\_\_\_

**Manufactured by** Buckman Laboratories, Inc.  
1256 North McLean Blvd., Memphis, Tennessee 38108, USA  
(901) 278-0330 or 1-800-282-5626

EPA Est. No. 1448-TN-1  
EPA Reg. No. 1448-386  
Product Weight 8.5 lbs/gal 1.02 kg/L

ACCEPTED  
with COMMENTS  
EPA Letters are marked on the container.  
Net contents listed.

APR 20 2010

HMIS / NPCA Ratings  
Health 3 Flammability 1 Reactivity 1

Last Revision  
1/30/2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-386

# TCMTB 5WB

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## Buckman

### Directions for Use

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

Technical assistance in applying TCMTB 5WB for microorganism control as described in the following upon request when a description of the problem is provided.

**LEATHER:** TCMTB5WB is used at treatment rates of 1.5 to 12.0 lb/1000 lbs of white weight stock to prevent the bacterial or fungal degradation of salt-cured hides and skins and to prevent mold growth on chrome- or vegetable-tanned hides and skins. For treating hides cured with dry salt, TCMTB 5WB should be sprinkled on the hides or should be mixed with the salt before it is applied to the hides. For treating tanned hides, TCMTB 5WB should be dispersed in water and added to the pickling solution or to the tanning liquor at the start of the tanning operation. For preservation of leather-finishing pastes and fat liquors, TCMTB 5WB is added to the pastes at 0.60 to 1.5% by weight of treated paste and mixed to ensure adequate dispersion.

**PULP MILLS:** To protect wood chips from fungal degradation during storage, TCMTB 5WB is used at 3.0 to 12.0 lb/ton of oven-dry wood. It can be applied through a water shower located in the pneumatic conveyor carrying chips from the chipper to the storage pile. For preservation of wet lap or sheet pulp, TCMTB 5WB is used at 3.0 to 24 lb/ton of oven-dry fiber. It is applied to the surfaces of the dewatered pulp by means of applicator rolls.

**PAPER MILLS:** To control bacterial and fungal growth on paper and paperboard machines, TCMTB 5WB is added to the white water or stock at 0.6 to 3.0 lb/ton of dry paper or paperboard produced. To make mold-resistant paper or paperboard, TCMTB 5WB is used at 0.3 to 0.6 lb/1000 sq ft of surface. For coated paper or board, TCMTB 5WB is incorporated in the coating mix prior to application of the coating. For uncoated paper or board, TCMTB 5WB is dispersed in water, surface-sizing solution, or other solvent and applied to the surface to be protected by means of an applicator roll. For the preservation of agricultural mulch paper, TCMTB 5WB is used at 9 to 30 lb/ton air-dry paper. It is applied to the surfaces of the mulch paper by tub-sizing methods or by means of applicator rolls before the paper is coated.

**PARTICLE BOARD:** TCMTB 5WB is employed as a preservative for particle board, insulation board, and other wood-base fiber and particle panel materials. In this use, TCMTB 5WB is mixed with the resin or binding agent at 0.6 to 6.0% based on the dry weight of the wood.

**SAP STAIN CONTROL:** TCMTB 5WB is used to control sap stain and mold on freshly cut softwood and hardwood lumber, logs, poles, posts, and timbers. It is applied by dipping, spraying or pressure impregnation of the wood with a dispersion containing 3 to 48 gal of TCMTB 5WB per 100 gal water. Treatment should be made within 24 hr of cutting or sawing, particularly in warm weather, and treated wood should not be exposed to heavy rains soon after treatment.

**COOLING TOWERS:** TCMTB 5WB is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by painting a dispersion containing 3.0 to 4.2% TCMTB 5WB in water onto the clean wood surfaces. The amount applied should provide 3.6 to 4.8 lb TCMTB 5WB per 1000 sq ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of TCMTB 5WB to the recirculating cooling water at the tower basin or cold well. The dosage should provide 7.5 lb of TCMTB 5WB per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. The shock treatment should be repeated every four months.

**COOLING WATER:** TCMTB 5WB is used to control algae, bacteria, and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algae growth, microbiological slime, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 3.6 to 22.2 fl oz TCMTB 5WB per 1000 gal water in the system. Subsequent additions of 1.2 to 7.2 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling.

**COATINGS:** TCMTB 5WB is used to protect coatings against disfigurement and deterioration by fungi. TCMTB 5WB is added at 3 to 30% based on the total weight of coatings. For solvent-based coatings the TCMTB 5WB can be dissolved in aromatic solvents or combinations of aromatic and aliphatic solvents and added in the let down or added directly to the finished paints. For water-thinned latex emulsion coatings, the TCMTB 5WB can be premixed with the wetting agent and added to the pigment slurry or simply added to the let down or finished paint.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, TCMTB 5WB is incorporated in the drilling fluid at concentrations of 0.3 to 1.5% based on the total weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** TCMTB 5WB is used to control sulfate-reducing bacteria, slime-forming bacteria, and fungi in oil-field water, polymer, or micellar floods, water-disposal systems, and other oil-field water systems at dosage rates of 1.2 to 22.2 fl oz of TCMTB 5WB per 1000 gal of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knockouts, before or after injection pumps and injection well headers. Continuous Feed Method: When system is noticeably fouled, add 3.6 to 22.2 fl oz TCMTB 5WB per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 1.2 to 7.2 fl oz TCMTB 5WB per 1000 gal of water continuously, or as needed to maintain control. Intermittent or Slug Method: When system is noticeably fouled, or to maintain control, add 3.6 to 22.2 fl oz TCMTB 5WB per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week, or as needed to maintain control.

**CUTTING FLUIDS:** TCMTB 5WB is used to inhibit bacterial and fungal degradation of water-based and water-soluble or emulsifiable cutting fluids and coolants used in metalworking operations. It should be added to the cutting fluid at a rate that will provide 600 to 1500 parts per million TCMTB 5WB (weight/weight) after final dilution of water. TCMTB 5WB can be added after dilution or to the concentrate before dilution. To prevent fungal growth on the inside walls of the diluted metalworking fluid storage tanks, higher concentrations of TCMTB 5WB are needed. For this application, it is recommended that TCMTB 5WB be added to the diluted fluids as it is prepared to provide a concentration of 3000 to 7500 parts per million.

**REFINED OILS:** TCMTB 5WB is an oil-soluble preservative for the control of bacteria and fungi that cause the degradation of refined fuel oils during storage. It should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 16 to 32 fl oz TCMTB 5WB per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1149-296  
EPA Letter Dated: