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

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

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

FEB 18 2010

Attention: Carl F. Watson, Ph.D.

Subject: MTC-10
EPA Registration No. 1448-34
Amendment Dated November 19, 2009

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

Proposed Amendment

- 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

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

Enclosure

MTC 10

ACCEPTED
with COMMENTS
EPA Letter Dated:

FEB 18 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-34

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ACTIVE INGREDIENT(S)	
Methylene bis(thiocyanate)	10.0%
INERT INGREDIENTS	90.0%
TOTAL	100.0%

Contains 0.90 pounds active ingredient per gallon. Contains Petroleum Distillates.

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO POISON

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 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: *Corrosive. Causes irreversible eye damage or skin burns. Fatal if swallowed or absorbed through skin or inhaled.* Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants; Socks and chemical resistant footwear; Goggles or face shield; Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton); Chemical-resistant apron; and Respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. Handlers participating in hand-dip applications, including introduction of material to and removal from the dip and handling materials still wet from the dip must wear: chemical-resistant full-front aprons with attached full-sleeve gloves.

USER SAFETY RECOMMENDATIONS: 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 personnel protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this product into lakes, streams, ponds, oceans or public waters unless this product is specifically identified and addressed in a National Pollution Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage authority. For guidance, contact your State Water Board or Regional Office of the U.S. Environmental Protection Agency.

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

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Storage and Disposal

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

PESTICIDE STORAGE: Do not use or store near heat or open flame. Do not stack more than four 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 fter 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 proceedure 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 of disposal. Repeat this proceedure 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-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-34

Product Weight 8.5 lbs/gal 1.02 kg/l Net contents are marked on the container.

HMIS / NPCA Ratings
Health **3** Flammability **2** Reactivity **1**

Last Revision
11/11/2009

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Directions for Use

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

PULP AND PAPER MILLS: For control of bacterial and fungal slime on pulp, paper, or paperboard machines, add MTC 10 to the stock or white water going to the fan pump in amounts of 0.05 to 1.0 lb per ton of pulp or paper produced. Addition can be made continuously or intermittently as required to control the slime. Use of a metering pump to feed the product directly from the shipping container is recommended. To inhibit the growth of bacteria in papermaking additives (including alum solutions, animal glue solutions, pigment slurries, coating formulations, and starch slurries and solutions) MTC 10 is added to these materials in concentrations of 50 to 400 ppm (weight/weight). Pulp that may be held in storage for 8 hours to 1 week should be treated with 0.25 to 0.75 kg of MTC 10 per tonne (0.5 to 1.5 lb/ton) of moisture-free pulp. MTC 10 may be added to contaminated fresh water at the rate of 5 to 10 ppm for treatment periods of 6 to 12 hours out of each 24 hours.
All persons not directly participating in such spray applications in enclosed or indoor areas must be excluded from the treatment site and from an area extending at least 25 feet from the perimeter of the treatment site until application is complete and sprays have settled out of the air.

COMMERCIAL AND INDUSTRIAL RECIRCULATING COOLING/PROCESS WATER SYSTEMS: For control of bacterial and fungal slime in commercial and industrial recirculating cooling water systems, add MTC 10 to the cooling or industrial process waters at dosages of 5.5 to 6.8 fl oz per 1000 gallons of water in the system (40 to 50 ppm MTC 10, based on the weight of water in the system). Repeat initial dosage until control is evident. Then treat the system with 0.7 to 3.4 fl oz of MTC 10 per 1000 gallons of water (5 to 25 ppm MTC 10) every 2 to 5 days, or as needed. If the system is badly fouled, it should be cleaned to remove old deposits before treatment with MTC 10 is begun.
For application to cooling water systems of greater than or equal to 4000 gallons: Do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

RETORT SYSTEMS AND PASTEURIZERS: For control of bacterial and fungal slime in retort and pasteurizer process water, MTC 10 is added to the first section of the pasteurizer. For best results, a heavily contaminated system should be cleaned to remove old deposits prior to treatment with MTC 10. The initial dose should be 4.0 to 8.0 fl oz of MTC 10 per 1000 gal of water in the system. To maintain control add 2.0 to 4.0 fl oz per 1000 gal of water. Addition of MTC 10 may be made continuously or intermittently, as required to control growth.

DRILLING FLUIDS: To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, MTC 10 is incorporated in the drilling fluid at concentrations of 0.05 to 0.28% based on the total wet weight of the fluid.

PETROLEUM SECONDARY RECOVERY: MTC 10 is used to control bacteria and fungi in oil field water, polymer, or micellar floods, water-disposal systems, and other oil field water systems at dosage rates of 0.2 to 4.0 fl oz of MTC 10 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 0.6 to 4.0 fl oz MTC 10 per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 0.2 to 1.3 fl oz MTC 10 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 0.6 to 4.0 fl oz MTC 10 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.

CRUDE AND REFINED OILS*: MTC 10 is a preservative for the control of bacteria and fungi that cause the degradation of crude oil and *diesel and distillate heating 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 0.6 to 6.6 fl oz MTC 10 per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

FOR THE PRESERVATION OF PIGMENT SLURRIES, ADHESIVES COATINGS AND INKS: MTC 10 should be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The actual amount of material to be added for the preservation of any given formulation will depend on the components and storage time and conditions. Dosage rates should be determined by actual test. **For pigment slurries**, add MTC 10 at use levels of 0.2-0.5% by weight, based on the total formulation of the slurry to inhibit the growth of bacteria that may cause viscosity loss. **For water based adhesives**, add MTC 10 at use levels of 0.2-0.5% by weight, based on the total formulation of the adhesive to inhibit the growth of bacteria that may cause viscosity loss. **For water-based coatings**, add MTC 10 at use levels of 0.2-0.5% by weight, based on the total formulation of the coating to inhibit the growth of bacteria that may cause viscosity loss. Add MTC 10 at use levels of 1.0-5.0%, by weight based on the total formulation of the coating to inhibit disfigurement and deterioration caused by fungi on the dry film. **For solvent based coatings**, add MTC 10 at use levels of 0.5-5.0%, by weight, based on the total formation of the coating to inhibit disfigurement and deterioration caused by fungi on the dry film. For inks, add MTC 10 at use levels of 0.2-2.0% by weight, based on the total formulation of the ink to inhibit bacterial and fungal growth in the ink. **Not registered for fungal preservation of ink in California.**

SOLUTIONS AND EMULSIONS: For the preservation of solutions, emulsions, adhesives, photographic emulsions and other aqueous liquid products, the addition of 75 to 200 ppm MTC 10 is effective. Add MTC 10 at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of MTC 10 to be added for the preservation of a given formulation will depend on the components as well as local storage time and conditions. Dosage rates should be determined by actual test. **This product is not cleared for use in the manufacture of adhesives, coatings, slurries or inks that may come in contact with food.**

AIR WASHER SYSTEMS: For control of bacteria and fungi. Pre-clean the system with detergent and allow air washer to run with fan on for two hours. Flush and check nozzles, manually cleaning as necessary. Add 10 to 40 ppm MTC 10 (0.01 to 0.04 gallons/1000 gallons of water) one to three times per week or as needed to maintain control. Add MTC 10 to a point where uniform mixing and even distribution will occur.

LEATHER: To prevent bacterial degradation during the soaking of pre-fleshed hides and skins, MTC 10 is used at rates of 30 - 200 ppm (0.003 - 0.02%) based on the weight of the hides/skin and soak water. To prevent mold growth on chrome and vegetable tanned hides and skins during tanning or post-tanning operations prior to finishing, MTC 10 is used at treatment rates of 0.5 - 3.0 pounds per 1000 pounds white weight (limed) stock.

METALWORKING FLUIDS: For control of bacteria and fungi in metal working fluids that contain water, add 100 to 400 ppm MTC 10 (0.1 to 0.4 gallons per 1000 gallons of fluid) per week, or as needed to maintain control. Slug feeding to the fluid in the collection tank is recommended. Thoroughly mix the fluid after adding MTC 10 to ensure complete dispersion.