



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

1448-172

Date of Issuance:

JAN 23 2003

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

M-5-2

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document for Methylene bis(thiocyanate) RED. EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

1. Make the following label changes:

- a. Revise the EPA Registration No. to read "EPA Reg. No. 1448-172"

Signature of Approving Official:

Marshall Swindell
Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

JAN 23 2003

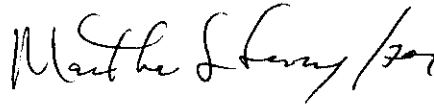
Page 2
EPA Registration No. 1448-172

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

A stamped copy of the 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
Antimicrobial Division (7510C)

Enclosure



KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 for treatment advice.
If Ingested	- 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 the use of gastric lavage. This product may pose an aspiration pneumonia hazard. Contains petroleum distillate.

DANGER: Corrosive. Causes irreversible eye damage or skin burns. May be 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.

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; and respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval 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. In addition to the PPE listed above, mixers, loaders, and cleaners of equipment must also wear chemical-resistant apron.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. 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.

ACTIVE INGREDIENTS:

2-(Thiocyanomethylthio)benzothiazole.....	2.5%
Methylene bis(thiocyanate).....	2.5%
INERT INGREDIENTS:	95.0%
(Contains Petroleum Distillates)	
TOTAL	100.0%

*One gallon of product contains 0.215 lbs of each active ingredient.

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: Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Pesticide wastes are acutely hazardous. Wastes resulting from the use of the product, excess pesticide, spray mixture, or rinsate must be collected and disposed at an approved disposal facility. 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

JAN 23 2008

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

1448-172

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.	1448-172	Net contents are marked on the container.
Product Weight	8.6 lbs./gal. 1.03 kg.L	

HMS / NPCA Ratings			Last Revision
Health	3	Flammability	2
		Reactivity	1
			9/19/2002

Directions for

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

NOTE TO USER: Do not apply this product in a way that will contact workers or other persons.

COOLING TOWERS: M-5-2 is used to protect cooling tower wood against soft rot. Apply a solution of 2.0 to 2.8% M-5-2 in water onto the clean wood surfaces. The solution should be applied to a surface of 100 sq. ft. of wood surface. Soft rot can also be inhibited by periodic shock treatments. The dosage should provide 5.0 lb. of M-5-2 per 1000 gal. of water. The shock treatment should be repeated every four months.

For treatment of cooling tower systems greater than or equal to 4000 gallons: Use a metering pump delivery system is required for this use and application method.

COOLING WATER: M-5-2 is used to control algae, bacteria, and fungi in industrial cooling water systems. If the system has not been cleaned thoroughly to remove old algal growth, the system should be cleaned, flushed with water, and treated with an initial dose of 1.0 fluid ounce per 100 gallons. Subsequent additions of 0.8 to 4.8 fluid oz. per 1000 gal. should be made every 4 to 8 weeks to prevent microbial fouling.

For treatment of cooling water systems greater than or equal to 4000 gallons: Use a metering pump delivery system is required for this use and application method.

DRILLING FLUIDS: To inhibit bacterial and fungal degradation of the fluids in drilling fluid at concentrations of 0.2 to 0.5% based on the total wet weight of the fluid.

PETROLEUM SECONDARY RECOVERY: M-5-2 is used to control sulfate-reducing bacteria, polymer, or micellar floods, water-disposal systems, and other oil-field water systems. Additions should be made continuously or intermittently by metering pumps and injection well headers. Continuous Feed Method: 1.0 fluid ounce per 1000 gal. of water continuously, or as needed to maintain control. Intermittent Feed Method: 15.6 to 52.0 fluid oz. M-5-2 per 1000 gal. of water for 4 to 8 weeks to maintain control.

CRUDE AND REFINED OILS: M-5-2 is an oil-soluble preservative for the control of bacteria and fungi in crude and refined oils during storage. Crude and refined oils include, but are not limited to, diesel fuel, kerosene, and gasoline. Additions should be made batchwise where mixing occurs or continuously where mixing is continuous.

FUEL: M-5-2 can be used to eliminate and/or prevent the growth of bacteria and fungi in diesel fuel, #1, Diesel #2, and Bunker C. M-5-2 is intended for use in applications where fuel is used in locomotive fuel tanks, diesel trucks, diesel boats and ships, farm equipment, and other equipment. Additions should be made batchwise while the fuel is being added to ensure adequate shock dose of 2.5 fluid ounces per 100 gallons. (see table below) For clean systems, a shock dose of 2.5 fluid ounces per 100 gallons. (see table)

Gallons of fuel	Shock treatment	Maximum
20	0.5 fluid ounces	0.2
40	1.0 fluid ounces	0.5
60	1.5 fluid ounces	0.7
100	2.5 fluid ounces	1.2

M-5-2 is NOT for use in Aviation Fuels.