

NOTICE OF PESTICIDE:

REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

T-5-4

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Buckman Laboratories, Inc.  
2156 North McLean Boulevard  
Memphis, TN 38108

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 1448-155" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 label is enclosed for your records.



John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

T-5-4

DEC 20 1988

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.  
1448-155

## INDUSTRIAL MICROBICIDE

### ACTIVE INGREDIENT:

2-(Thiocyanomethylthio)benzothiazole ..... 5%

INERT INGREDIENTS (Contains Petroleum Distillate) ..... 95%

This product weighs 7.84 pounds per gallon.

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

### 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.

**FIRST AID:** *If in eyes,* flush with plenty of water. Get medical attention. *If on skin,* wash with plenty of soap and water. Get medical attention. *If swallowed,* drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

**Note to physician:** Probable mucosal damage may contraindicate gastric lavage.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not use in offshore or estuarine drilling operations. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES Permit. For guidance, contact the regional office of the Environmental Protection Agency.

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

### STORAGE & DISPOSAL

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

**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:** 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.

### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT WITH ITS LABELING. Technical assistance in applying T-5-4 microorganism control as described in the following is available upon request. If a problem is provided.

**COOLING TOWERS:** T-5-4

wood against soft or surface rot and internal or dry rot. It is applied to surfaces containing 3.0 to 4.2% T-5-4. The amount applied should provide 3.8 to 4.8 lb T-5-4 per 1000 ft<sup>2</sup> of wood surface. Soft or surface rot can also be controlled by applying T-5-4 to the recirculating cooling water.

The dosage should provide 7.5 lb of T-5-4 per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. Repeated every four months.

**COOLING WATER:** T-5-4

and fungi in industrial recirculating cooling water systems. Systems should be cleaned thoroughly to remove old algal growth, microbial growth, and sludge. The system should then be drained, flushed, refilled with water, and treated with T-5-4 per 1000 gal water. Dosage of 1.2 to 7.2 fl oz per 1000 gal should be made every 1 to 5 days, depending on the severity of microbiological fouling.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of wells, T-5-4 is incorporated into drilling fluids at concentrations of 0.3 to 1.5% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** T-5-4

to inhibit sulfate-reducing bacteria, slime-forming bacteria and other microorganisms in micellar floods, water-disposal systems, and other oil-field water systems. Dosage of T-5-4 per 1000 gal of water should be made continuously or intermittently by means of a metering pump or injection pumps and injection well headers. Continuous feed of T-5-4 should be made until desired degree of control is achieved. The dosage should be T-5-4 per 1000 gal of water.

**Intermittent or Slug Method:** When system is noticeably fouled, add 3.8 to 22.2 fl oz T-5-4 per 1000 gal of water 4 times per week, or as needed to maintain control.

**CUTTING FLUIDS:** T-5-4 is used to inhibit bacterial degradation of water-based and water-soluble or emulsifiable metalworking operations. It should be added to the cutting fluid at a concentration of T-5-4 (weight/volume) parts per million. T-5-4 can be added after dilution.

To prevent fungal growth on the inside walls of the diluted metalworking fluid, concentrations of T-5-4 are recommended that T-5-4 be prepared to provide a concentration of 3000 to 7500 parts per million.

Manufactured by:

BUCKMAN LABORATORIES

1256 NORTH McLEAN BOULEVARD

MEMPHIS, TN 38108

EPA REG. NO. \_\_\_\_\_

EPA EST. NO. \_\_\_\_\_

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