

1448-98

5/22/2012

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U S ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington D C 20460

NOTICE OF PESTICIDE

Registration
x Reregistration
(under FIFRA as amended)

EPA Reg Number

1448-98

Date of Issuance

MAY 22 2012

Term of Issuance

Conditional

Name of Pesticide

Product

THION

Name and Address of Registrant (include ZIP Code)

Buckman Laboratories, Inc
1256 N McLean Blvd
Memphis, TN 38108

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 Dazomet RED the EPA has reregistered this product subject to the comments recorded in the succeeding paragraph This action is taken under the authority of section 4(g) (2) of the Federal Insecticide Fungicide and Rodenticide Acts as amended Reregistration under this section does not eliminate the need for continual reassessment of pesticides The EPA may require submission of data at any time to maintain the registration of the subject product

1 Make the following label changes

a The EPA Registration Number must read 1448-98

Signature of Approving Official

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Handwritten signature of Marshall Swindell

Date

MAY 22 2012

b The signal word currently on the label WARNING must be revised to read DANGER

c Based on toxicity ranking per the acute toxicity review the First Aid statements must be placed on the label in the following order

- If on Skin or Clothing
- If Swallowed
- If Inhaled
- If in Eyes

d Include additional text to the Note to Physician that addresses primary dermal irritation Category I concerns

e Per the acute toxicity review the Hazards to Humans and Domestic Animals must be revised to read

DANGER  
Corrosive Causes skin burns Do not get in eyes on skin or on clothing May be fatal if swallowed Harmful if absorbed through skin Harmful if inhaled Avoid breathing dust Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals Wear goggles or face shield rubber gloves and protective clothing Wash thoroughly with soap and water after handling Remove contaminated clothing and wash before reuse

f Per the acute toxicity review the following User Safety Recommendations must be added to the label

User Safety Recommendations

Wash hands before eating drinking chewing gum using tobacco or using the toilet  
Remove clothing/PPE immediately if pesticide gets inside Then wash thoroughly and put on clean clothing  
Remove PPE immediately after handling this product As soon as possible wash thoroughly and change into clean clothing


2 For additional labeling clarity and consistency please refer to the enclosed EPA reviews

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

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EPA Registration No 1448-98

Submit two (2) copies of the revised labeling bearing the labeling revisions listed above. A stamped copy of the label is enclosed for your records.

If you have questions concerning this matter, please contact me at (703) 308-6341 or by email at [swindell\\_marshall@epa.gov](mailto:swindell_marshall@epa.gov) or Martha L. Terry at (703) 308-6217 or by email at [terry\\_martha@epa.gov](mailto:terry_martha@epa.gov).

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

Enclosures



# THION

JUL 0 11-11-10

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ACCEPTED  
with COMMENTS  
EPA Letter Dated  
MAY 22 2012

## Buckman

ACTIVE INGREDIENT(S)  
Tetrahydro 3,5-dimethyl 2H 1,3,5-thiadiazine-2 thione  
INERT INGREDIENT(S)  
TOTAL

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

98.0%  
2.0%  
100.0%

1448-58

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

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 gastric lavage	

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING** Corrosive Harmful or fatal if swallowed or absorbed through skin. Causes eye damage and severe skin irritation. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear goggles or face shield and rubber gloves when handling. May cause skin sensitization.

**ENVIRONMENTAL HAZARDS** This pesticide is toxic to fish. 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 Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewage systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL/CHEMICAL HAZARDS** Solubility in water 0.2% Melting Point 106°C

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## Storage and Disposal

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

**PESTICIDE STORAGE** Protect from temperatures in excess of 140°F Keep container closed when not in use If contents are spilled or leaked due to container damage, collect and dispose of in accordance with local, state, and federal pesticide disposal regulations

**PESTICIDE DISPOSAL** Pesticide wastes are toxic 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

### CONTAINER HANDLING

(Use SUPERSACK, or BAG section as appropriate for container)

**SUPERSACK** Nonrefillable container Do not reuse or refill this container Completely empty bag into application equipment When empty, dispose of bag in a sanitary landfill or by incineration, or offer for recycling, if available Do not burn, unless allowed by State or local authorities If burned, stay out of smoke

**BAG** Nonrefillable container Do not reuse or refill this container Completely empty bag into application equipment When empty, dispose of bag in a sanitary landfill or by incineration, or offer for recycling, if available Do not burn, unless allowed by State or local authorities If burned, stay out of smoke

**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 1448-98

Product Weight 4.4 lbs/gal 0.53 kg/l

Net contents are marked on the container

### HMIS / NPCA Ratings

Health 3 Flammability 1 Reactivity 1

ACCEPTED  
with COMMENTS  
EPA Letter Dated

Last  
Revision  
4/1/2010

MAY 22 2012

Under the Pesticide Insecticide, Fungicide, and Plant Growth Regulator Act as amended, this product is registered under EPA Reg No

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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**

This product is for **FORMULATING USE ONLY** into EPA registered antimicrobials for the following uses: As a Preservative of Industrially Prepared Water Based Suspensions (Pigment Slurries, Adhesives, Polymers, and Starches), as an Antimicrobial in Oilfield Operations, for the Preservation of Clay Slurries, Adhesives, Coatings, and High Viscosity Suspensions, for Control of Algae, Fungi, and Slime Forming Bacteria in Recirculating Cooling Water Systems, and to inhibit Bacteria & Fungal Growth in Epoxy Flooring Compounds

Information on the composition, toxicity, methods of formulation, limitations and restrictions, and effectiveness of the product for pesticide purposes is readily available from Buckman Laboratories, Inc

Formulators are also responsible for obtaining registrations and preparing labeling in compliance with EPA guidelines for formulations based on the product

**ACCEPTED**  
**with COMMENTS**  
EPA Letter Dated  
MAY 22 2012

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended by the FIFRA Act of 1990,  
registered under EPA Reg No  
1448-98