

9386-12

9-20-2001

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

EPA Reg Number:

Date of issuance:

9386-12

SEP 20 2001

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Thionate

Name and Address of Registrant (include ZIP Code):

Vinings Industries, Inc.
1654 West Oak Drive
Marietta, GA 30062-22

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 the 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 the 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. 9386-12".

b. The word "POISON" and the "Skull and Crossbones" symbol must appear in red on a contrasting background in immediate proximity to the signal word "DANGER".

Signature of Approving Official

Marshall Swindell, PM 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date

SEP 20 2001

c. As per the Acute toxicity Review dated June 21, 1999 and PR Notice 2001-1. the heading "Statement of Practical Treatment" must be changed to "First Aid" and the statements must be revised as follows:

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. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a 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 by a poison control center or doctor.

IF ON SKIN:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment.

d. Revise the "Precautionary Statements" that appear under the subheading "Hazards to Humans and Domestic Animals" to read:

"DANGER

Corrosive. Fatal if inhaled. Causes irreversible eye damage or skin burns. May be fatal if swallowed. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse".

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e. In the Storage and Disposal section, change the subheading "Storage" to "Pesticide Storage".

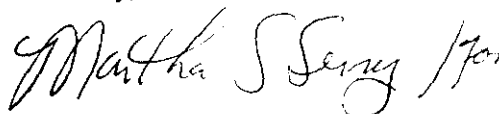
f. The statement "It is a violation of Federal Law to use this product in a manner inconsistent with its labeling" must be placed on the label directly below the "Directions For Use" heading.

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

Submit two (2) copies of final printed labeling for our review. 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

DIRECTIONS FOR USE

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

Thionate is a Fungicide and Bactericide for formulating use only. Thionate, as delivered, is not to be used as a pesticide. Thionate is intended for use in formulating and compounding products for use in papermill systems, cooling water systems, secondary oil recovery and as a preservative of solutions, emulsions and other non-food liquid products.

This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group, or grower has complied with the U.S. EPA submission requirements regarding support for such use(s).

For further information on Thionate, see the Technical Data Sheet.



TOXIC SOLID, ORGANIC N.O.S. (METHYLENE BISTHIOCYANATE) UN 2811

THIONATE

TECHNICAL GRADE

Active Ingredient:
methylene bis(thiocyanate)..... 98.0%
Inert Ingredients:..... 2.0%
TOTAL..... 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

External: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

Internal: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Induce vomiting. Avoid alcohol. Call a physician immediately. In the event of inhalation, remove from contaminated area. Consult a doctor in cases of severe exposure.

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

See Side Panel For Additional Precautionary Statements

EPA REG. No. 9386-12 EPA EST. No. 9386-GA-1

MANUFACTURED BY

VININGS INDUSTRIES, INC.

1654 West Oak Drive
MARIETTA, GEORGIA 30062-2234

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Avoid contamination of food. Harmful or fatal if swallowed. This product may cause skin sensitization reactions in some people. Do not apply this product in a way that will contact workers or other persons. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Mixers, loaders, applicators and other handlers must wear: Long-sleeve shirt and long pants, shoes plus socks, protective eyewear, chemical-resistant apron and chemical-resistant gloves. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. If pesticide gets inside clothing remove clothing immediately, wash thoroughly, and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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 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.

STORAGE AND DISPOSAL

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

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 disposal regulations.

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 directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Fiber Drums with Liners: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

LABEL DATE: 06/05/98 DENSITY: 52 LBS/PER CUBIC FT

LOT#

NET WT. X,XXX Pounds

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TECHNICAL DATA

THIONATE®

DESCRIPTION:

Vinings' THIONATE® is a pure crystal form of methylene bis(thiocyanate), technical grade.

THIONATE®, as delivered, is not to be used as a pesticide. It is intended for use in the formulating and compounding of pesticidal agents.

COMPOSITION:

Active Ingredient:	Methylene bis(thiocyanate)	98%
Inert Ingredients:		<u>2%</u>
	TOTAL	100%

TYPICAL PROPERTIES:

Appearance:	Yellow to light orange granular solid
Solubility:	Water-0.5%, Dimethyl Formamide-44%, Acetone-29% Dioxane-24%
Melting Point:	101° to 105°C
Percent Active:	99.0% minimum

DIRECTIONS FOR USE:

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

This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group, or grower has complied with the U.S. EPA submission requirements regarding support for such use(s).

The services of Vinings' engineers are available, upon request, at any time to assist in solving problems.

SOME SUGGESTED CONCENTRATIONS OF METHYLENE BIS(THIOCYANATE) ALREADY USED INDUSTRIALLY FOR:

A) Pulp and Paper Mills - Fungi and Bacteria:

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 20 2001

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

9-386-12

1) Use 0.1 to 1.1 pounds of a 5.0% liquid concentrate per ton of pulp or paper produced, dry basis. Add directly to system on a continuous basis.

2) Use 0.0001 to 0.5 pounds of a 10.0% liquid concentrate per ton of pulp or paper produced, dry basis. Add directly to system on a continuous basis.

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THIONATE*

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- B) Recirculating Cooling Water Systems (cooling towers, evaporative condensers)-Bacteria and Fungi: Continuous or intermittent slug treatment **one** to three times a week or as required to maintain control. For badly fouled systems or systems in jeopardy of becoming affected, use 4.5 to 9.8 ppm actual of a 5.0% or 10.0% liquid concentrate daily or as required to obtain control. Apply at a point in the system where uniform mixing and even distribution will occur, such as the cooling tower basin or sump. LIMITS: Do not apply to domestic or potable water systems.
- C) Secondary Oil Recovery - Fungi: Use 0.8 to 6.2 ppm actual of a 5.0% liquid concentrate. Apply as a slug treatment once or twice per day.
- D) Solutions, Emulsions and Other Non-Food Liquid Products - Fungi: use 10.0 ppm actual 5.0% liquid concentrate based on weight of the liquid product to be preserved.

LIMITS: Do not use in products intended for the manufacture of food packaging materials.

STORAGE AND DISPOSAL:
DO NOT CONTAMINATE WATER, FOOD, OR FEED
BY STORAGE OR DISPOSAL

STORAGE: Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material 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 DISPOSAL: Fiber Drums with Liners - Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

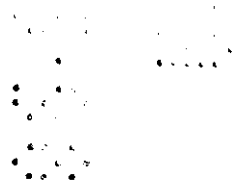
PRECAUTIONARY STATEMENTS:
HAZARD TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF THE REACH OF CHILDREN

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 20 2001

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

9386-12



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THIONATE®
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ENVIRONMENTAL HAZARDS:

This pesticide is toxic to wildlife and 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 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.

FOOD AND DRUG REGULATIONS:

The ingredients in THIONATE® are cleared by the United States Food and Drug Administration for use in the manufacture of pulp and paper to be used for food packaging in accordance with 21 CFR 176.300.

SHIPPING POINT:

Marietta, Georgia

PACKAGING:

200 lb fiber drums

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 20 2001

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

9386-12

Form THIONATE.TDS
Date: 06/98
Revision: 3

