

ACCEPTED
JUN 29 1987
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 2548-73

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DETIAPHOS ROTOX MT LABEL -- FRONT PANEL.

**RESTRICTED USE PESTICIDE
DUE TO ACUTE INHALATION TOXICITY OF HIGHLY
TOXIC HYDROGEN PHOSPHIDE (PHOSPHINE, PH3) GAS**

For retail sale to and use only by certified applicators for those uses covered by the applicator's certification or persons trained in accordance with the accompanying product manual working under the direct supervision and in the physical presence of the certified applicator. Physical presence means on site or on the premises. Read and follow the label and the Research Products Company product manual which contains complete instructions for the safe use of this pesticide.

Detiaphos(R) ROTOX(R) MT

Active Ingredient: Magnesium Phosphide.....34X
Inert Ingredients:.....66X
TOTAL.....100X

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO-POISON

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta se le haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

Symptoms of overexposure to hydrogen phosphide are headache, dizziness, nausea, difficult breathing, vomiting and diarrhea. In all cases of overexposure get medical attention immediately. Take victim to the doctor or emergency treatment facility.

IF GAS OR DUST FROM TABLETS IS INHALED: Get exposed person to fresh air. Keep warm and make sure person can breathe freely. If breathing has stopped, give artificial respiration by mouth-to-mouth or other means of resuscitation. Do not give anything by mouth to an unconscious person.

IF THE TABLETS OR THEIR DUST ARE SWALLOWED: Drink or administer

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02400 one or two glasses of water and induce vomiting by touching back
 02500 of throat with finger, or if available, administer syrup of
 02550 ipecac. Do not give anything by mouth if victim is unconscious
 02600 or not alert.

02650
 02700 IF TABLETS OR THEIR DUST GET ON SKIN OR CLOTHING: Brush or
 02750 shake material off clothes and shoes in well ventilated area.
 02800 Allow clothes to aerate in a ventilated area prior to
 02850 laundering. Do not leave contaminated clothing in occupied
 02900 and/or confined areas such as automobiles, vans, motel rooms,
 02950 homes, etc. Wash contaminated skin thoroughly with soap and
 03000 water.

03100 IF DUST FROM THE TABLETS GETS IN EYES: Flush with plenty of
 03150 water. Get medical attention.

03200
 03250 See side panels for additional precautionary statements.
 03300

03350 Manufactured by: Detia Freyberg, GMBH
 03400 P. O. Box 10
 03450 6947 Laudenschach
 03500 F.R. of Germany
 03550

03600
 03650 Distributed by: Research Products Company
 03700 Div. of McShares, Inc.
 03750 P. O. Box 1460
 03800 Salina, KS 67402-1460
 03850
 03900

03950 EPA Establishment No. 33982WG01 Net Contents:
 04000 EPA Registration No. 2548-73 Net Contents:
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LEFT PANEL

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN
 DANGER/POISON

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 04500
 04550 Magnesium phosphide in tablets or their dust can be fatal if
 04600 swallowed. Do not get in eyes, in nose, on skin or on clothing.
 04650 Do not eat, drink or smoke while handling magnesium phosphide
 04700 fumigants. When the container is opened Detiaphos(R) ROTOX(R)
 04750 MT will begin to release hydrogen phosphide (phosphine) which is
 04800 an extremely toxic gas. Contact with water, acids and some
 04850 other liquids will accelerate this reaction. Pure hydrogen
 04900 phosphide gas is odorless; the odor is due to a contaminant.
 04950 Since an odor may not be detected under certain circumstances,
 05000 the absence of a garlic odor does not mean that hydrogen
 05050 phosphide gas is absent. Observe proper application and

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05100 disposal procedures specified elsewhere in the labeling to
05150 prevent overexposure.

05200
05250 FREQUENT EXPOSURE TO LOW CONCENTRATIONS ABOVE PERMISSIBLE LEVELS
05300 OVER A PERIOD OF DAYS OR WEEKS MAY CAUSE POISONING.

05350
05400 NOTE TO PHYSICIAN

05450
05500 Magnesium phosphide in tablets or their dust reacts with
05550 moisture from the air, water, acids, and many other liquids to
05600 release hydrogen phosphide (phosphine) gas. Mild exposure by
05650 inhalation causes malaise (indefinite feeling of sickness),
05700 ringing of ears, fatigue, nausea and pressure in chest which are
05750 relieved by removal to fresh air. Moderate poisoning causes
05800 weakness, vomiting, epigastric pain (pain just above the
05850 stomach), chest pain, diarrhea and dyspnea (difficulty in
05900 breathing). Symptoms of severe poisoning may occur within a few
05950 hours or up to several days, resulting in pulmonary edema (fluid
06000 in lungs) and may lead to dizziness, cyanosis (blue or purple
06050 skin color), unconsciousness and death.

06100
06150 In sufficient quantity, hydrogen phosphide affects the liver,
06200 kidneys, lungs, nervous system and circulatory system.
06250 Inhalation can cause lung edema (fluid in lungs) and hyperemia
06300 (excess of blood in a body part), small perivascular brain
06350 hemorrhages and brain edema (fluid in brain). Ingestion can
06400 cause lung and brain symptoms, but damage to the viscera (body
06450 cavity organs) is more common. Hydrogen phosphide poisoning may
06500 result in (1) pulmonary edema, (2) liver elevated serum GOT, LDH
06550 and alkaline phosphatase, reduced prothrombin, hemorrhage and
06600 jaundice (yellow skin color) and (3) kidney hematuria (blood in
06650 urine) and anuria (abnormal or lack of urination). Pathology is
06700 characteristic of hypoxia (oxygen deficiency in body tissue).
06750 Treatment is symptomatic.

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RIGHT PANEL

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DIRECTIONS FOR USE

07150 It is a violation of federal law to use this product in a
07200 manner inconsistent with its labeling.

07250
07300 The "Detlaphos(R) ROTOX(R) MF and Detlaphos(R) ROTOX(R) MF
07350 Instruction Booklet" is a part of labeling. Refer to it for
07400 application procedures and other information necessary to
07450 properly use Detlaphos(R) ROTOX(R).

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THIS PRODUCT IS ACCOMPANIED BY THE LABELING LISTED ABOVE. READ
AND UNDERSTAND THE ENTIRE LABELING. ALL PARTS OF THE LABELING
ARE EQUALLY IMPORTANT FOR SAFE AND EFFECTIVE USE OF THIS

BEST AVAILABLE COPY

07800 PRODUCT. CALL RESEARCH PRODUCTS COMPANY OR EPA IF YOU HAVE ANY
07850 QUESTIONS OR DO NOT UNDERSTAND ANY PART OF THIS LABELING.
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07950

08000 STORAGE AND DISPOSAL
08050

08100 STORAGE
08150

08200 Flasks should be stored in a dry, well ventilated area, away
08250 from heat and under lock and key. Post as a pesticide storage
08300 area. Do not contaminate water, food or feed by storing
08350 pesticides in the same areas used to store these commodities.
08400

08450 Do not store in buildings where humans or domestic animals
08500 reside. Refer to the "Detiaphos(R) ROTOX(R) MT and Detiaphos(R)
08550 ROTOX(R) MP Instruction Booklet" for additional storage
08600 instructions.
08650

08700 DISPOSAL OF UNREACTED OR PARTIALLY REACTED TABLETS (From spills,
08750 leaking flasks or other sources)
08800

08850 Unreacted or partially reacted Detiaphos(R) ROTOX(R) tablets are
08900 acutely hazardous. Improper disposal of this product is a
08950 violation of federal law.
09000

09050 If this product cannot be disposed of by ordinary use or
09100 according to labeling instructions, contact your state pesticide
09150 or environmental control agency or the hazardous waste
09200 representative at the nearest EPA regional office for guidance.
09250 Do not contaminate water by disposal.
09300

09350 Reacted tablets are not hazardous. For complete disposal, spill
09400 and leak procedures refer to the booklet "Detiaphos(R) ROTOX(R)
09450 MT and Detiaphos(R) ROTOX(R) MP Instruction Booklet."
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09550
09600 DISPOSAL OF EMPTY FLASKS
09650

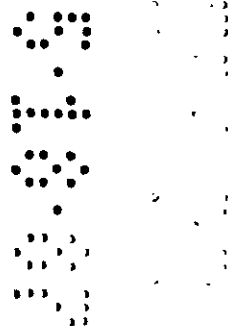
09700 METHOD ONE: Triple rinse flasks and lids with water. Then
09750 offer for recycling or reconditioning, or puncture and dispose
09800 of them in a sanitary landfill or other approved site or by ...
09850 other procedures approved by state and local authorities. ...
09900 Dispose of rinsate in a sanitary landfill or by other approved
09950 procedures.
10000

10050 METHOD TWO: Remove lids and place empty flasks outdoors or in
10100 structure being fumigated until residue in flasks is reacted.
10150 Puncture and dispose of them in a sanitary landfill or other,
10200 approved site or by other procedures approved by state and local
10300 authorities.
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10400 GENERAL
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10500 Consult federal, state and local disposal authorities for
10550 approved procedures other than those given above. Approved
10600 procedures vary for different types of generators.
10650
10700 *If in doubt concerning whether the dust is reacted and/or
10750 concerning proper disposal techniques contact Research Products
10800 Company.



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