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DETIAPHOS PELLETS 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) PELLETS

A fumigant for the control of most stored product insects and their pre-adult stages.

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

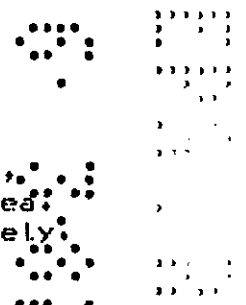
KEEP OUT OF REACH OF CHILDREN

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 PELLETS 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.



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IF THE PELLETS OR THEIR DUST ARE SWALLOWED: Drink or administer one or two glasses of water and induce vomiting by touching back of throat with finger, or if available, administer syrup of Ipecac. Do not give anything by mouth if victim is unconscious or not alert.

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

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

See side panels for additional precautionary statements.

Manufactured by: Detia Freyberg, GMBH  
P. O. Box 10  
6947 Laudenbach  
F.R. of Germany

Distributed by: Research Products Company  
Div. of McShares, Inc.  
P. O. Box 1460  
Salina, KS 67402-1460

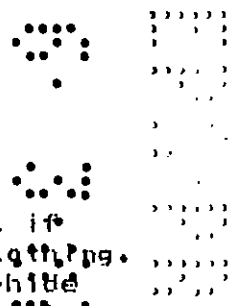
EPA Establishment No. 33982WG01      Net Contents:  
EPA Registration No. 2548-67      Net Weight:

LEFT PANEL

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN  
DANGER/POISON

Magnesium phosphide in pellets or their dust can be fatal if swallowed. Do not get in eyes, in nose, on skin or on clothing. Do not eat, drink or smoke while handling magnesium phosphide fumigants. When the container is opened Detiaphos(R) Pellets will begin to release hydrogen phosphide (phosphine) which is an extremely toxic gas. Contact with water, acids and some other liquids will accelerate this reaction. If a garlic odor is detected, refer to section on "Industrial Hygiene Monitoring" on page of the accompanying product manual for appropriate



05100 monitoring procedures. Pure hydrogen phosphide gas is odorless,  
 05150 the odor is due to a contaminant. Since an odor may not be  
 05200 detected under certain circumstances, the absence of a garlic  
 05250 odor does not mean that hydrogen phosphide gas is absent.  
 05300 Observe proper application, aeration, reentry and disposal  
 05350 procedures specified elsewhere in the labeling to prevent  
 05400 overexposure.

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 05500 FREQUENT EXPOSURE TO LOW CONCENTRATIONS ABOVE PERMISSIBLE LEVELS  
 05550 OVER A PERIOD OF DAYS OR WEEKS MAY CAUSE POISONING.

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 05650 NOTE TO PHYSICIAN

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 05750 Magnesium phosphide in pellets or their dust reacts with  
 05800 moisture from the air, water, acids, and many other liquids to  
 05850 release hydrogen phosphide (phosphine) gas. Mild exposure by  
 05900 inhalation causes malaise (indefinite feeling of sickness),  
 05950 ringing of ears, fatigue, nausea and pressure in chest which are  
 06000 relieved by removal to fresh air. Moderate poisoning causes  
 06050 weakness, vomiting, epigastric pain (pain just above the  
 06100 stomach), chest pain, diarrhea and dyspnea (difficulty in  
 06150 breathing). Symptoms of severe poisoning may occur within a few  
 06200 hours or up to several days, resulting in pulmonary edema (fluid  
 06250 in lungs) and may lead to dizziness, cyanosis (blue or purple  
 06300 skin color), unconsciousness and death.

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 06400 In sufficient quantity, hydrogen phosphide affects the liver,  
 06450 kidneys, lungs, nervous system and circulatory system.  
 06500 Inhalation can cause lung edema (fluid in lungs) and hyperemia  
 06550 (excess of blood in a body part), small perivascular brain  
 06600 hemorrhages and brain edema (fluid in brain). Ingestion can  
 06650 cause lung and brain symptoms, but damage to the viscera (body  
 06700 cavity organs) is more common. Hydrogen phosphide poisoning may  
 06750 result in (1) pulmonary edema, (2) liver elevated serum GOT, LDH  
 06800 and alkaline phosphatase, reduced prothrombin, hemorrhage and  
 06850 jaundice (yellow skin color) and (3) kidney hematuria (blood in  
 06900 urine) and anuria (abnormal or lack of urination). Pathology is  
 06950 characteristic of hypoxia (oxygen deficiency in body tissue).  
 07000 Treatment is symptomatic.

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 07200 RIGHT PANEL

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07350 DIRECTIONS FOR USE

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07450 It is a violation of federal law to use this product in a  
 07500 manner inconsistent with its labeling.

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07550 The booklets "Application Procedures for Dethiaphos(R) Pellets  
 07600 and Dethiaphos(R) Tablets" and "Instructions for Intransit  
 07650 Fumigation of Ship Holds with Dethiaphos(R) Pellets and Tablets"  
 07700 are a part of labeling. Refer to them for application

07750 procedures and other information necessary to properly use  
 07800 Deltiaphos(R) Pellets.

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

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## 08350 STORAGE AND DISPOSAL

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### 08450 STORAGE

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

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Do not store in buildings where humans or domestic animals reside. Refer to the booklet "Application Procedures for Deltiaphos(R) Pellets and Deltiaphos(R) Tablets" for additional storage instructions.

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### 09050 DISPOSAL OF UNREACTED OR PARTIALLY REACTED PELLETS (From spills, leaking flasks or other sources)

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Unreacted or partially reacted Deltiaphos(R) Pellets are acutely hazardous. Improper disposal of this product is a violation of federal law.

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

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Reacted pellets are not hazardous. For complete disposal, spill and leak procedures refer to the booklet "Application Procedures for Deltiaphos(R) Pellets and Deltiaphos(R) Tablets".

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### 09950 DISPOSAL OF EMPTY FLASKS

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METHOD ONE: Triple rinse flasks and stoppers with water. Offer for recycling or reconditioning, or puncture and dispose of them in a sanitary landfill or other approved site or by other procedures approved by state and local authorities. Dispose of rinsate in a sanitary landfill or by other approved procedures.

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METHOD TWO: Remove lids and place empty flasks outdoors or in

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10450 structure being fumigated until residue in flasks is reacted.  
10500 Puncture and dispose of them in a sanitary landfill or other  
10600 approved site or by other procedures approved by state and local  
10650 authorities.  
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10750 GENERAL

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10850 Consult federal, state and local disposal authorities for  
10900 approved procedures other than those given above. Approved  
10950 procedures vary for different types of generators.  
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11050 \*If in doubt concerning whether the dust is reacted and/or  
11100 concerning proper disposal techniques contact Research Products  
11150 Company.

