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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 this 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.

APPLICATION PROCEDURES

FOR

Detia(R)

GAS EX-B

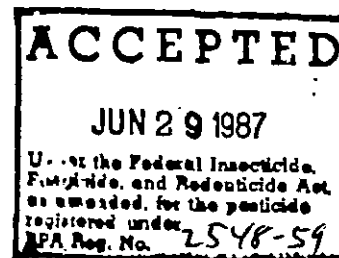
HYDROGEN PHOSPHIDE FUMIGANT

FOR

USE AGAINST LISTED INSECTS
WHICH INFEST LISTED RAW AGRICULTURAL
COMMODITIES, ANIMAL FEEDS, PROCESSED FOODS,
NONFOOD PRODUCTS AND STORED TOBACCO

Research Products Company
Div. of McShares, Inc.
P. O. Box 1460
Salina, Kansas 67402-1460

EPA Establishment No. 33982WG01
EPA Registration No. 2548-59



DETIA GAS EX-B -- FRONT PANEL

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Detia(R) GAS EX-B

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

Active Ingredients: Aluminum Phosphide.....57X
Inert Ingredient:.....43X
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 Detia(R) GAS EX-B 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.

02400

02450 IF THE DUST FROM Detia(R) GAS EX-B IS SWALLOWED: Drink or
02500 administer one or two glasses of water and induce vomiting by
02550 touching back of throat with finger, or if available, administer
02600 syrup of ipecac. Do not give anything by mouth if victim is
02650 unconscious or not alert.

02700

02750 IF THE DUST FROM Detia(R) GAS EX-B GETS ON SKIN OR CLOTHING:
02800 Brush or shake material off clothes and shoes in well ventilated
02850 area. Allow clothes to aerate in a ventilated area prior to
02900 laundering. Do not leave contaminated clothing in occupied
02950 and/or confined areas such as automobiles, vans, motel rooms,
03000 homes, etc. Wash contaminated skin thoroughly with soap and
03050 water.

03100

03150 IF DUST FROM Detia(R) GAS EX-B GETS IN EYES: Flush with plenty
03200 of water. Get medical attention.

03250

03300 See side panels for additional precautionary statements.

03350

03400 U CONIENIS	NEI_WI..EACH	IQIAL_NEI_WI..
03500 Active Bags(Normal Size)....	grams.....	grams (oz.)
03550 Gas Protectant.....		grams

03600

03650 Manufactured by: Detia Freyberg, GMBH
03700 P. O. Box 10
03750 6947 Laudenbach
03800 F.R. of Germany

03850

03900

03950 Distributed by: Research Products Company
04000 P. O. Box 1460
04050 Salina, KS 67402-1460

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04200 EPA Establishment No. 33982WG01
04250 EPA Registration No. 2548-59

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LEFT PANEL

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN
DANGER/POISON

Aluminum phosphide in Detia(R) GAS EX-B 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 aluminum phosphide
fumigants. When the container is opened Detia(R) GAS EX-B will
begin to release hydrogen phosphide (phosphine) which is an
extremely toxic gas. Contact with water, acids and some other

05100 liquids will accelerate this reaction. If a garlic odor is
05150 detected, refer to section on "Industrial Hygiene Monitoring" on
05200 page of the accompanying product manual for appropriate
05250 monitoring procedures. Pure hydrogen phosphide gas is odorless,
05300 the odor is due to a contaminant. Since an odor may not be
05350 detected under certain circumstances, the absence of a garlic
05400 odor does not mean that hydrogen phosphide gas is absent.
05450 Observe proper application, aeration, reentry and disposal
05500 procedures specified elsewhere in the labeling to prevent
05550 overexposure.

05600
05650 FREQUENT EXPOSURE TO LOW CONCENTRATIONS ABOVE PERMISSIBLE LEVELS
05700 OVER A PERIOD OF DAYS OR WEEKS MAY CAUSE POISONING.

05750
05800 NOTE TO PHYSICIAN
05850

05900 Aluminum phosphide in Detia(R) GAS EX-B reacts with moisture from
05950 the air, water, acids, and many other liquids to release
06000 hydrogen phosphide (phosphine) gas. Mild exposure by inhalation
06050 causes malaise (indefinite feeling of sickness), ringing of
06100 ears, fatigue, nausea and pressure in chest which are relieved
06150 by removal to fresh air. Moderate poisoning causes weakness,
06200 vomiting, epigastric pain (pain just above the stomach), chest
06250 pain, diarrhea and dyspnea (difficulty in breathing). Symptoms
06300 of severe poisoning may occur within a few hours or up to
06350 several days, resulting in pulmonary edema (fluid in lungs) and
06400 may lead to dizziness, cyanosis (blue or purple skin color),
06450 unconsciousness and death.

06500
06550 In sufficient quantity, hydrogen phosphide affects the liver,
06600 kidneys, lungs, nervous system and circulatory system.
06650 Inhalation can cause lung edema (fluid in lungs) and hyperemia
06700 (excess of blood in a body part), small perivascular brain
06750 hemorrhages and brain edema (fluid in brain). Ingestion can
06800 cause lung and brain symptoms, but damage to the viscera (body
06850 cavity organs) is more common. Hydrogen phosphide poisoning may
06900 result in (1) pulmonary edema, (2) liver elevated serum GOT, LDH
06950 and alkaline phosphatase, reduced prothrombin, hemorrhage and
07000 jaundice (yellow skin color) and (3) kidney hematuria (blood in
07050 urine) and anuria (abnormal or lack of urination). Pathology is
07100 characteristic of hypoxia (oxygen deficiency in body tissue).
07150 Treatment is symptomatic.

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07250
07300
07350 CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. AS TO FIRE HAZARD
07400 ONLY WHEN USED SPECIFICALLY AS DIRECTED IN THE SEPARATE
07450 INSTRUCTIONS THAT ARE PART OF THE PRODUCT LABELING. DETIA(R)
07500 GAS EX-B FUMIGANT POWDER IS NONCOMBUSTIBLE ITSELF BUT EXPOSURE
07550 TO MOIST AIR OR WATER RELEASES FLAMMABLE AND TOXIC PHOSPHINE GAS
07600 SPONTANEOUS IGNITION MAY RESULT IF CONTACT BY WATER, ACIDS OR
07650 CHEMICALS. 955P
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RIGHT PANEL

DIRECTIONS FOR USE

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

The booklets "Application Procedures for Detia(R) GAS EX-B" and "Instructions for Intransit Fumigation of Ship Holds with Detia(R) GAS EX-B" are a part of labeling. Refer to them for application procedures and other information necessary to properly use Detia(R) GAS EX-B.

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.

STORAGE AND DISPOSAL

STORAGE

Cans 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.

Do not store in buildings where humans or domestic animals reside. Refer to the "Application Procedures for Detia(R) GAS EX-B" for additional storage instructions.

DISPOSAL OF UNREACTED OR PARTIALLY REACTED Detia(R) GAS EX-B (From spills, leaking flasks or other sources)

Unreacted or partially reacted Detia(R) GAS EX-B is acutely hazardous. Improper disposal of this product is a violation of federal law.

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.

Reacted Detia(R) GAS EX-B is not hazardous. For complete disposal, spill and leak procedures refer to the booklet "Application Procedures for Detia(R) GAS EX-B".

10400
10450
10500 DISPOSAL OF EMPTY CANS
10550
10600 Dispose of in a sanitary landfill or by other approved state or
10650 local procedures.
10700
10750 DISPOSAL OF BAGS
10800
10850 Refer to the booklet entitled "Application Procedures for
10900 Detia(R) GAS EX-B".
10950
11000 GENERAL
11050
11100 Consult federal, state and local disposal authorities for
11150 approved procedures other than those given above. Approved
11200 procedures vary for different types of generators.
11250
11300 *If in doubt concerning whether the dust is reacted and/or
11350 concerning proper disposal techniques contact Research Products
11400 Company.

TPC

