

86.03.18

DETIA
GAS Ex-B
FOR THE CONTROL OF STORED-PRODUCT INSECT PESTS

RESTRICTED

CONTENTS:

6 Active Bags (Normal Size), 34 grams each, Total 204 grams.
2 Inactive Degassing Bags, 30 grams each, Total 60 grams.

GUARANTEE: ALUMINUM PHOSPHIDE.....57%

REGISTRATION NO. 13,736
PEST CONTROL PRODUCTS ACT

DANGER POISON

Manufactured by:
Dr. Werner Freyberg
Chemische Fabrik
694 Weinheim/Bergstrasse
Western Germany

Distributed by:
Research Products Company
Box 1057
Salina, Kansas
67401

READ THE LABEL AND ATTACHED
BROCHURE BEFORE USING

KEMSAN
Canadian Distributor

KemSan Inc.
Box 727
Oakville, Ontario L6J 5C1
Telephone: (416)845-2271

NOTICE TO USER: This control product is to be used in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NATURE OF RESTRICTION: This product is to be stored apart from lodging for humans, animal quarters, and normal work areas, to

avoid inadvertent exposure.

DIRECTIONS - GENERAL DETIA GAS Ex-B is effective in providing economic levels of control of: Granary Weevil, Rusty Grain Beetle, Rice Weevil, Lesser Grain Borer, Saw-Toothed Grain Beetle, Confused Flour Beetle, Cadelle, Augoumois Grain Moth, Khapra Beetle, Indian Meal Moth, Yellow Meal Worm, Red Flour Beetle, Mediterranean Flour Moth, Dried Fruit Moth, Bean Weevil, Cigarette Beetle and Tobacco Moth.

Its use is suited for the fumigation of certain commodities in space: Box cars and bulk rail cars (static or in-transit), vaults, warehouses, semi-trailers (not tarped grain trailers) and shipping containers.

A fumigation consists of placing the bags in a specified manner once the facility being fumigated has been prepared. Minimum preparation consists of:

1. Notifying local authorities (Fire, Police, etc.)
2. Sealing area or structure as gas tight as possible.
3. Posting of danger signs.
4. Being certain first aid information and proper respiratory equipment is at the site.
5. Being certain that all adjoining facilities are evacuated.
6. Being certain of the recommended application procedures.
7. Being certain that operators have been trained and have read and understood labelling.

DIRECTIONS - SPECIFIC Always open cans in open air immediately prior to use. Dispose of unused bags in the manner recommended in this brochure. Always work in pairs, never alone.

- 1) WAREHOUSES AND VAULTS: Place bags on floor in systematic manner. Use total floor space available. Do not toss bags into inaccessible areas.
- 2) BOX CARS, BULK RAIL CARS, TRAILER VANS, SHIPPING CONTAINERS: Place and tape bags on rigid perforated cardboard with spacing between bags. Tape across the bag ends only. Place or fix the cardboard, bag-side up, inside the boxcar, van or shipping container. In the case of bulk rail cars, place the cardboard (bag-side up) on the flanges of the hatch openings. This may require cutting the cardboard to size. Close, seal and post warning signs on doors or hatch covers. When fumigating rail or trailer cars in-transit it is necessary to provide the receiver with bag disposal instructions and first aid procedures. These are available from supplier.

- 3) TARPAULIN FUMIGATIONS: Stack bags or cartons of commodities to be fumigated on air-tight floor area, and cover with suitable fumigation tarpaulin, and seal to the floor. Tape bags to cardboard, as outlined previously, and place under tarpaulin. Post warning signs on stack.

IMPORTANT

The release of Phosphine from Detia Gas Ex-B is dependent on atmospheric temperature and humidity. Plan fumigations accordingly.

MINIMUM EXPOSURE REQUIREMENTS UNDER IDEAL CONDITIONS

Commodity Temperature

Below 10`C	Do not fumigate
10` - 15`C	7 days (168 hours)
15` - 25`C	4 days (96 hours)
Above 25`C	3 days (72 hours)

NOTE: Aerate all fumigated products for at least 48 hours before offering to consumer. Note specific aeration instructions for tobacco.

In all fumigations, whenever possible, exceed the minimum exposure time to ensure complete control.

Minimum exposure period at 27`C should be extended from 3 to 4 days to kill all stages of the Rusty Grain Beetle. Gas concentration must be high enough so that more than 100 PPM of phosphine gas is obtained at the end of the fourth day.

DOSAGE SCHEDULE ABOUT DOSAGE: Satisfactory results with Detia Gas Ex-B are dependent upon obtaining a tight seal of the structures to be fumigated. The Dosage Schedule reflects a dosage range. The lower level should only be used in tightly sealed structures. The higher level should be used if sealing has been difficult or if other adverse conditions are present, such as high wind. The higher level should also be used if Rice Weevil or Rusty Grain Beetle are present.

DOSAGE AND APPLICATION COMMODITIES: BAGGED AND BULK STORED GRAINS: Rice, Wheat, Barley, Corn, Oats, Sorghum, Millet, Rye, Popcorn, Soybeans.

BAGGED/PACKAGED TREATED SEEDS FOR PLANTING USE ONLY: Cereal, Grass, Sorghum and Small Legume Seeds.

OTHER RAW AGRICULTURAL COMMODITIES: Cocoa Beans, Coffee Beans (raw), Dates, Sunflower Seeds, Cotton Seeds, Nuts in Shells.

ANIMAL FEEDS

PROCESSED FOODS: Wheat Bran, Polished Rice, Brewers Rice Grits, Corn Grits, Flour, Macaroni, Spaghetti, Packaged Cereals, Pretzels, Oat Meal, Cake Flour, Spices, Whole Wheat, Bulgar, Malt, Wheat Germ, Cream of Wheat, Wheat Shorts, Processed Coffee/Tea (roasted-dried), Prepared Cocoa, Dried/Processed Meat-Fish-Cheese, Seasoning Condiments (ground), Cookies, Crackers, Snack Foods, Herbs, Dried Fruits-Vegetables-Eggs, Sugars-Candy Bars-Candy, Pastry Mixes, Dried Powdered Milk, Nuts-Processed.

DOSAGE: 11 to 21 bags per 100m³ of space. Note that dosage is calculated on the cubic capacity of the space being fumigated, and not based on the volume of commodity in the space.

TOBACCO IN WAREHOUSES

TOBACCO TEMPERATURE ABOVE 15`C		
TEMPERATURE	DOSAGE: Bags/100m ³	Minimum Exposure
Above 20`C	7	4 days
15` - 20`C	7	6 days
Post Fumigation Aeration:	Hogsheads	3 days minimum
	Other	2 days minimum

DISPOSAL INSTRUCTIONS

IMPORTANT: The release of phosphine from Detia Gas Ex-B is dependent on atmospheric temperature and humidity. Be certain minimum temperature requirements have been met before attempting disposal.

MINIMUM EXPOSURE REQUIREMENTS

Below 10`C	Do not fumigate
10` - 15`C	7 days (168 hours)
15` - 25`C	4 days (96 hours)
Above 25`C	3 days (72 hours)

METHOD ONE: Use only if minimum exposure requirements for existing conditions are known and met. Collect bags and arrange for their direct transportation to an approved burial site or to an approved pesticide incinerator for burning.

METHOD TWO: For use when minimum exposure requirements for existing conditions have not been met if exposure details are unknown, or if disposing of fresh bags becomes necessary.

Collect bags and transport them to an isolated, open area. Wear a full faced gas mask fitted with a canister for protection against

phosphine. Cut or tear open each bag and dump the contents into a receptacle (bucket, barrel, etc.) containing a mixture of water and a non-ionic surfactant (2% by volume). Stir until all dust has settled. Transport the resulting slurry to an approved site for burial.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.

+))