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| U.S. ENVIRONMENTAL PROTECTION AGENCY<br>OFFICE OF PESTICIDES PROGRAMS<br>REGISTRATION DIVISION (WH-567)<br>WASHINGTON, D.C. 20460  | EPA REGISTRATION NO.<br>40285-14 | DATE OF ISSUANCE<br>July 11, 1985 |
|  | TERM OF ISSUANCE                 |                                   |
| NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION<br><input type="checkbox"/> REREGISTRATION<br>(Under the Federal Insecticide, Fungicide,<br>and Rodenticide Act, as amended) |                                  |                                   |
| NAME OF PESTICIDE PRODUCT<br>Degesch Phostoxin Tablet PrePac   |                                  |                                   |

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Degesch America, Inc.  
 P. O. Box 115  
 Weyers Cave, VA. 24486

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 this 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.

This registration is being issued in accordance with Section 3(c)(7)(A) of the FIFPA subject to the following conditions:

1. It is understood that you will submit any/or cite all data required for registration or re-registration of your product under Section 3(c)(5) of FIFPA when the Agency requires all registrants of similar products to submit such data.

2. The registration number which has been assigned to this product must appear on the label as EPA Registration No. 40285-14.

3. You will submit five copies of your finished printed labels as described in the A-79 enclosure. These labels must be submitted to the Agency before you release the product for shipment to comply with PR Notice 82-2 of June 18, 1982. Refer to Section 162.10 of Title 40 of the Code of Federal Regulations for general labeling requirements. Failure to comply with these requirements may result in rejection of your label.

A stamped copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6(e) of the FIFPA.

*A. E. Castillo*

**BEST AVAILABLE COPY**

A. E. Castillo  
 Product Manager #32  
 Disinfectants Branch  
 Registration Division (IS-767c)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_



**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER:**

Releases hydrogen phosphide (phosphine) gas when moist. Poisonous if inhaled or swallowed. Do not get in eyes or on skin or on clothing. To be used only by, or under the direct supervision of a Certified Applicator. Do not open can except for immediate usage. Always open in open air. Wash hands thoroughly after use. Keep away from heat. Use a gas mask and canister carrying the approval of the U. S. Department of Interior, Bureau of Mines, for protection.

**SYMPTOMS:** Pressing sensation in the chest, nausea, and diarrhea.

**ENVIRONMENTAL HAZARDS**

Hydrogen phosphide decomposes in the atmosphere to form traces of phosphate. Residual dust is of no environmental hazard when disposal instructions are followed. Pure hydrogen phosphide is practically insoluble in water and oils and is stable at normal fumigation temperatures. It may, however, react with certain metals such as copper, brass, silver, and gold and cause corrosion, especially at high temperatures and humidity. Precautions should be taken to protect materials made from such compounds including some types of copying paper and film.

**PHYSICAL OR CHEMICAL HAZARDS**

Keep away from liquid water as this causes immediate release of gas. Piling of tablets or the dust from decomposition may cause a temperature increase and a flash could occur. Protect from moisture, open flames, and heat.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

**Storage**

1. Store only in a cool, dry, locked and ventilated room. Protect from moisture, open flames and heat.
2. Open tins of Phostoxin Prepac's out of doors only. Do not return opened Prepac tins to storage - all Prepac's must be used or disposed of once tin has been opened.
3. Prepac's must be immediately used or disposed of if tin develops a leak. Aluminum tape may be used for seals of punctured tins.
4. Phostoxin Prepac's should be stored only in their original, unopened container.
5. Phostoxin should not be used or stored in or around inhabited areas.

**Disposal**

1. Do not contaminate water, food or feed by storage or disposal.
2. 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 label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest Regional Office for guidance.

3. Do not reuse container. Triple rinse cans. Dispose of hydrogen phosphide adsorbent pads and rinsed tins in a sanitary landfill, or by other procedures approved by state and local authorities.
4. It is permissible to incinerate or bury spent Prepacs at sanitary landfills and other approved sites, or spent Prepacs may be further deactivated prior to disposal by the procedures in Steps 5 or 6.
5. Spent Prepac strips may be held out of doors in locked wire containers which are available through DEGESCH America, Inc., or your supplier. Keep the wire container in an open but secure area that is protected from rain. Take spent Prepacs to an approved site for incineration or burial at periodic intervals or whenever the wire container is full. Storage of spent Prepacs in closed containers may result in a fire hazard.
6. Alternatively, spent Prepacs may be deactivated further with water prior to disposal. Fill an appropriate sized container to the top with water solution of detergent. Immerse spent Prepacs in the detergent solution for at least 36 hours. Care should be taken to see that the entire Prepac strip is submerged during the deactivation period. A heavy metal screen or grid works well for this purpose. Caution: Partially spent Prepacs may ignite if allowed to float to the surface of the water. Dispose of the deactivated Prepac at a sanitary landfill or other approved site. Dispose of the detergent solution into the sanitary sewer if permitted by state and local authorities.

**FOR FUMIGATION OF LISTED RAW AGRICULTURAL COMMODITIES, SPECIFIED PROCESSED FOODS, ANIMAL FEEDS, TOBACCO AND NON-FOOD PRODUCTS:**

For space treatment of stored products insects in almonds, barley, brazil nuts, cashews, cocoa beans, coffee beans, corn, cottonseed, dates, filberts, flower seed, grass seed, millet, oats, peanuts, pecans, pistachio nuts, popcorn, rice, rye, safflower seed, sesame seed, seed and pod vegetables, sorghum, soybeans, sunflower seed, walnuts, wheat, vegetable seed, specified processed foods, animal feed and feed ingredients, tobacco and non-food products. These commodities may be fumigated in bulk, in bags or in packages under gas-proof tarpaulins, in warehouses, silos, bins, flat stores, unmanned barges or in other enclosures where they are stored commercially and which can be made sufficiently gas tight. They may also be fumigated in sealed box or hopper cars (static or rolling). Do not move trucks, vans or trailers during fumigation. They must be completely aerated before movement is allowed. The Prepac shall be fastened to a substantial support, and it shall not come into contact with the raw commodity, specified processed foods, animal feeds, tobacco or non-food products. After fumigation, the spent Prepac shall be disposed of following label instructions. Do not dispose of Phostoxin dust or the Prepac in a toilet.



SEE ENCLOSED SHEET FOR LIST OF PROCESSED FOODS WHICH MAY BE FUMIGATED.

Under no condition shall any processed food, bagged commodity or animal feed come into contact with Phostoxin or with Phostoxin residue. DEGESCH Phostoxin Tablet Prepac shall not be placed in or on any packaged commodity. Aerate finished food for 48 hours before it is offered to the consumer.

#### Unmanned Barges:

For fumigation of listed raw commodities, specified processed foods, animal feed, tobacco and non-food products, the DEGESCH Phostoxin Tablet Prepac shall be fastened to a substantial support so that there is no direct contact with the commodity. Barges must be sealed and warning placards affixed after application of the fumigant. Do not enter cargo areas until they have been properly aerated.

Barge fumigation is regulated by U. S. Coast Guard Regulation 46 CFR 147A.

#### Tobacco:

Tobacco may be fumigated with DEGESCH Phostoxin Tablet Prepac at a dosage rate of one Prepac per 1000-1600 cubic feet. Aeration time for hogsheads will be not less than 3 days and not less than 2 days for all other containers.

#### Non-Food Products:

DEGESCH Phostoxin Tablet Prepac may be used for the fumigation of cotton (cloth and unprocessed), feathers, human hair, rubberized hair, mohair, wool, wood and bamboo products.

#### DOSAGE RATE

Dosage for all listed raw commodities, specified processed foods, animal feeds, tobacco, non-food products and space is one DEGESCH Phostoxin Tablet Prepac per 1000-1600 cubic feet of storage space. DO NOT SUBDIVIDE PACKAGE.

#### EXPOSURE

The times of exposure required are approximated in the following guide:

Commodity at 54-59°F (12-15°C) - four days are required.

Commodity at 60-68°F (16-20°C) - three days are required.

Commodity over 68°F (20°C) - not less than two full days.

Do not fumigate when product is below 40°F (5°C).

#### EFFICACY

DEGESCH Phostoxin Tablet Prepac has been found effective against the following stored products insects and their pre-adult stages; that is, eggs, larvae, and pupae: Granary and rice weevils, saw-toothed grain beetle, flat grain beetle, rusty grain beetle, lesser grain borer, confused flour beetle, red flour beetle, Cadelle, Indian meal moth, dried fruit moth, Mediterranean flour moth, almond moth, Angoumois grain moth, European grain moth, cigarette beetle, tobacco moth, bean weevil, raisin moth, pink bollworm, dried fruit beetle, fruit flies, and dermestid beetles. Also controls cereal leaf beetle (a stored product contaminant) and greater wax moth.

Effectiveness of the fumigation is dependent upon gas tightness of the storage, dosage, commodity temperature and length of the exposure period.

#### FUMIGATION WARNING PLACARDS

Fumigated areas must be placarded on all entrances with signs containing at least the signal word DANGER and the "Skull and Crossbones" and the words "Area under fumigation, do not enter until completely aerated," the date of fumigation, name of the fumigant used, emergency telephone number for contact, and the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely aerated and safe for entry, as indicated by a suitable detector.

WARRANTY

Seller warrants that the product conforms to its chemical description and when used according to label directions under normal conditions of use, it is reasonably fit for the purposes stated on the label. Seller makes no other warranty, either express or implied, and buyer assumes all risk should the product be used contrary to label instructions.

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