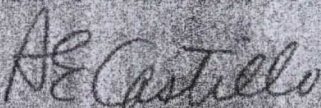


U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 40285-13	DATE OF ISSUANCE July 11, 1985
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Degesch Phostoxin PrePac Rope	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
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 FIFRA subject to the following conditions:		
1. It is understood that you will submit and/or cite all data required for registration or re-registration of your product under Section 3(c)(5) of FIFRA 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. 40285-13.		
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 FIFRA.		
<div style="border: 1px solid black; padding: 5px; display: inline-block;">BEST AVAILABLE COPY</div> <div style="text-align: right;">             A. J. Castillo            Product Manager #32            Disinfectants Branch            Registration Division (13-162c)         </div>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

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**RESTRICTED USE PESTICIDE**  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators certification.

DEGESCH PHOSTOXIN®  PREPAC ROPE\*

Revised  
12/31/84

\*Patent Pending

FOR USE AGAINST LISTED INSECTS WHICH INFEST STORED COMMODITIES,  
SPECIFIED PROCESS FOODS AND ANIMAL FEEDS

Active Ingredient: Aluminum Phosphide ..... 55%  
Inert Ingredients ..... 45%

KEEP OUT OF REACH OF CHILDREN



DANGER - POISON



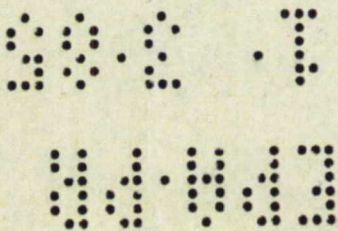
STATEMENT OF PRACTICAL TREATMENT

- If swallowed - Induce vomiting by touching back of throat with finger or blunt object.
- If inhaled - Remove victim to open air and remove contaminated clothing. Have victim lie down and keep victim warm. Call physician immediately.
- If on skin - Wash affected areas with soap and water.
- If in eyes - Flush eyes thoroughly with water.

DEGESCH AMERICA, INC.  
Weyers Cave, Virginia 24486 USA \* Telephone (703) 234-9281  
EPA Est. No. 40285-VA-01  
EPA Reg. No. 40285-

Net Contents: Each DEGESCH PHOSTOXIN PREPAC ROPE contains  
990 - 3g round tablets and will liberate  
990g of hydrogen phosphide (phosphine).  
Two Prepac Ropes per pail.

Net Weight: 5940g (13.1 lbs.) per pail



**ACCEPTED**  
40285-13  
JUL 11 1985  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No.

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PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Releases the poisonous and flammable gas hydrogen phosphide (phosphine, PH<sub>3</sub>) when moist. Poisonous if inhaled or swallowed. Do not get in eyes or on skin or on clothing. KEEP AWAY FROM LIQUID WATER as this causes immediate release of gas and may also generate heat and cause fire. Do not open pail except for immediate usage. Always open in open air. Wash hands thoroughly after use. Keep available approved respiratory protection which may include gas mask and canister for phosphine protection carrying U.S. Department of Interior, Bureau of Mines Approval No. 14F-61.

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

ENVIRONMENTAL HAZARDS

Hydrogen phosphide decomposes in the atmosphere to form traces of phosphate. Spent Phostoxin Prepac Ropes are not environmental hazards when disposal instructions are followed. Pure hydrogen phosphide is practically insoluble in water, fats and oils, and is stable at normal fumigation temperatures. However, it may 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 undeveloped film.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from liquid water as this causes immediate release of gas. Piling of fresh or exposed Prepac Ropes may cause a temperature increase and a flash could occur. Protect from moisture, open flames or 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 pails of Prepac Ropes out of doors only. Pails are resealable provided rims have not been damaged. Close pail as quickly as possible to prevent exposure of unused Rope.
3. Phostoxin Prepac Ropes must be immediately used or disposed of if the pail develops a leak. Aluminum tape may be used for temporary seals of leaking pails.
4. Phostoxin Prepac Ropes should be stored only in their original container, except in emergency situations in which the original container has been severely damaged.
5. Phostoxin should not be 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 EPA regional office for guidance.
3. Triple rinse pails and lids with water. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
4. It is permissible to incinerate or bury spent Phostoxin Prepac Ropes at sanitary landfills and other approved sites, or spent Phostoxin Prepac Ropes may be further deactivated prior to disposal by the procedures in Steps 5 or 6.
5. Spent Phostoxin Prepac Ropes may be held out of doors until deactivated 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 Prepac Ropes to an approved site for incineration or burial at periodic intervals or whenever the wire container is full. Storage of spent Phostoxin Prepac Ropes in closed containers may result in a fire hazard.

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6. Alternatively, spent Phostoxin Prepac Ropes may be deactivated further prior to disposal. Fill an appropriate sized metal container to the top with water solution of detergent. Immerse the spent Prepac Rope in the detergent solution for at least 36 hours. Care should be taken to see that the entire Phostoxin Prepac Rope is submerged during the deactivation period. A heavy metal screen or grid works well for this purpose. Caution: Partially spent Prepac Ropes may ignite if allowed to float to the surface of the water. Dispose of the deactivated Prepac Rope at a sanitary landfill or other approved site. Dispose of the detergent solution into the sanitary sewer if permitted by state and local authorities.

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FOR SPACE FUMIGATION OF LISTED RAW AGRICULTURAL COMMODITIES, SPECIFIED PROCESSED FOODS, ANIMAL FEEDS, TOBACCO, NON-FOOD PRODUCTS AND SPACE FUMIGATION OF ELEVATORS, WAREHOUSES AND FEED AND CEREAL MILLS:

Specified commodities and products may be fumigated in bulk, in bags or in packages. These commodities and products may be treated under gas-proof tarpaulins, in warehouses, silos, bins, flat stores, unmanned barges, ships' holds or in other enclosures where they are stored commercially and which can be made sufficiently gas tight.

The individual Prepac Ropes should be applied so that they are completely stretched out during fumigation, bubble side down and flat side up. When more than one Phostoxin Prepac Rope is required, there shall be no physical contact between them. The Prepac Rope may be subdivided by cutting with scissors if this is necessary to obtain the proper dosage. However, do not cut pieces smaller than an individual Prepac of 33 tablet blisters, 11 rows of 3 tablets each. Keep away from liquid water.

Exposure:

Exposure times required for all commodities are approximated in the following guide:

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

Commodity at 60-68°F (16-20°C) - at least three days

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

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

Efficacy:

Phostoxin Prepac Rope 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.

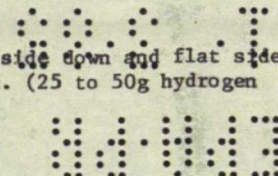
Effectiveness of the fumigation is dependent upon gas tightness of the storage, dosage, commodity temperature and length of the exposure period.

Raw Agricultural Commodities and Bulk Animal Feed

Phostoxin Prepac Rope may be used for space treatment of stored products insects in bulk animal feed and in the following stored raw agricultural commodities:

almonds	cocoa beans	dates	millet	pistachio nuts	safflower seed	soybeans
barley	coffee beans	filberts	oats	popcorn	sesame seed	sunflower seed
brazil nuts	corn	flower seed	peanuts	rice	seed and pod vegetables	walnuts
cashews	cottonseed	grass seed	pecans	rye	sorghum	wheat
						vegetable seed

For fumigation of the above commodities stored in bulk, the Phostoxin Prepac Ropes may be placed atop the commodity, bubble side down and flat side up. Dosage for listed raw agricultural commodities and bulk animal feed is one Phostoxin Prepac Rope per 20,000 to 40,000 cu. ft. (25 to 50g hydrogen phosphide per 1000 cu. ft.).



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Processed Foods and Packaged Animal Feed

Phostoxin Prepac Rope may be used for fumigation of packaged animal feed and the processed foods specified below:

Cereal flours and milled fractions	Cocoa powder	Sugar	Prunes
Soybean flour and milled fractions	Assorted chocolate	Dried milk	Raisins
Packaged cereal	Dark chocolate coating	Non-dairy creamers	Sultanas
Malt (processed grains)	Milk chocolate	Non-fat instant dried milk	Dried egg yolk solids
Bakery mixes	Chocolate liquor	Processed spices	Tea
Crackers	Dried spinach	Dried apples	Coffee
Pretzels	Dried carrots	Dates	Edible cured meat products
Macaroni	Potato flour	Figs	
Noodles	Apricot kernels	Dried peaches	
Pasta	Primary yeast	Dried pears	

Processed almonds, brazil nuts, cashews, filberts, peanuts, pecans, pistachio nuts, and walnuts

Dosage for specified processed foods and packaged animal feed is one Phostoxin Prepac Rope per 20,000 to 40,000 cu. ft. (25 to 50g hydrogen phosphide per 1000 cu. ft.).

Non-Food Products

Dosage for cotton (cloth and unprocessed), feathers, human hair, rubberized hair, mohair, wool, wood and bamboo products is one Phostoxin Prepac Rope per 20,000 to 40,000 cu. ft. (25 to 50g hydrogen phosphide per 1000 cu. ft.).

Tobacco

Dosage for stored tobacco is one Phostoxin Prepac Rope per 30,000 to 50,000 cu. ft. (20 to 33g hydrogen phosphide per 1000 cu. ft.). Aeration time for hogsheads will be not less than 3 days and not less than 2 days for all other containers.

Space Fumigations

Dosage for treatment of warehouses, tarpaulins, mills and other such space is one Phostoxin Prepac Rope per 30,000 to 50,000 cu. ft. (20 to 33g hydrogen phosphide per 1000 cu. ft.).

Unmanned Barges

For fumigation of listed raw commodities, specified processed foods, animal feed, tobacco and non-food products aboard barges, the Phostoxin Prepac Rope shall be fastened to a substantial support.

Prepac Rope per 20,000 to 40,000 cu. ft. (25 to 50g hydrogen phosphide per 1000 cu. ft.).

Dosage for barge fumigation is one Phostoxin

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

Fumigation of Ships

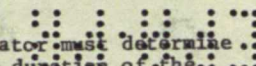
**IMPORTANT**

Shipboard, intransit ship or shiphold fumigation is also governed by U.S. Coast Guard Regulations. Refer to and comply with these regulations prior to fumigation.

**PROCEDURES**

Prefumigation Procedures

1. Prior to fumigating a vessel for intransit cargo fumigation, the master of the vessel or his representative, and the fumigator must determine whether the vessel is suitably designed and configured so as to allow safe occupancy by the ship's crew throughout the duration of the fumigation. If it is determined that the design and configuration of the vessel does not allow for safe occupancy by the ship's crew throughout



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the duration of the fumigation, then the vessel will not be fumigated unless all crew members are removed from the vessel. The crew members will not be allowed to reoccupy the vessel until the vessel has been properly aerated and a determination has been made by the master of the vessel and the fumigator that the vessel is safe for occupancy.

Cotton  
right

2. The person responsible for the fumigation must notify the master of the vessel, or his representative, of the requirements relating to personal protection equipment\*, detection equipment and that a person qualified in the use of this equipment must accompany the vessel with cargo under fumigation. Emergency procedures, cargo ventilation, periodic monitoring and inspections, and first aid measures must be discussed with and understood by the master of the vessel or his representative.

\*Personal protection equipment means a gas mask or respirator for the fumigant, jointly approved by the Mining Enforcement and Safety Administration and the National Institute of Occupational Safety and Health.

3. During the fumigation or until a manned vessel leaves port or the cargo is aerated, the person in charge of the fumigation shall ensure that a qualified person using gas or vapor detection equipment tests spaces adjacent to spaces containing fumigated cargo and all regularly occupied spaces for fumigant leakage. If leakage of the fumigant is detected, the person in charge of the fumigation shall take action to correct the leakage, or shall inform the master of the vessel, or his representative, of the leakage so that corrective action can be taken.
4. If the fumigation is not completed and the vessel aerated before the manned vessel leaves port, the person in charge of the vessel shall ensure that at least two units of personal protection equipment and one gas or vapor detection device, and a person qualified in their operation be on board the vessel during the voyage.

#### Precautions and Procedures During Voyage

Using appropriate gas detection equipment, monitor spaces adjacent to areas containing fumigated cargo and all regularly occupied areas for fumigant leakage. If leakage is detected, the area should be evacuated of all personnel, ventilated, and action taken to correct the leakage, before allowing the area to be occupied. Do not enter fumigated areas except under emergency conditions. If necessary to enter a fumigated area, appropriate personal protection equipment must be used. Never enter fumigated areas alone. At least one other person, wearing personal protection equipment, should be available to assist in case of an emergency.

#### Precautions and Procedures During Discharge

If necessary to enter holds prior to discharge, test spaces directly above grain surface for fumigant concentration, using appropriate gas detection and personal safety equipment. Do not allow entry to fumigated areas without personal safety equipment, unless fumigant concentrations are at safe levels, as indicated by a suitable detector.

#### Dosage:

Dosage for listed commodities aboard ship is one Phostoxin Prepac Rope per 16,500 to 30,000 cu. ft. (33 to 60g hydrogen phosphide per 1000 cu. ft.).

#### 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 products be used contrary to label instructions.

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