

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER:

gastoxin when moist, releases hydrogen phosphide which is poisonous if inhaled. Do not breathe dust or fumes. Proximate if swallowed. Do not get in eyes, on skin, or on clothing. Do not smoke, drink, or eat when handling it. Wash hands thoroughly after use. Keep away from liquids or water as this causes immediate release of the gas. Do not open container except for immediate usage. ALWAYS OPEN IN OPEN AIR. Keep available a gas mask and container showing the approval of MSHA/NIOSH or the U.S. Dept. of Interior, Bureau of Mines, for phosphine protection. Use mask and container of the same manufacturer. Before application make sure there are no humans or domestic animals in adjacent structures.

SYMPTOMS:

Pressing sensation on the chest, nausea, and diarrhea.

ENVIRONMENTAL HAZARDS

When hydrogen phosphide decomposes in the upper atmosphere traces of phosphate are formed. When disposal instructions are followed, the dust remaining after decomposition of the pellets is of no environmental hazard. Hydrogen phosphide is practically insoluble in fats, oils, and water and is very stable at normal fumigation temperatures. It may at times react with some metals such as copper, brass, gold, and silver causing corrosion, especially if temperature and humidity are high. Care must be exercised to protect items made from such compounds including some types of copying paper and undeveloped photographic film.

PHYSICAL OR CHEMICAL HAZARDS

Do not store near heat or open flame. gastoxin is non-combustible in itself, but contact with water or liquid releases phosphine gas immediately and self-ignition is possible under certain circumstances. Do not pile pellets as this may confine the gas as it develops, and a flash could occur.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Not for use or storage in or around inhabited areas. Store only in original sealed containers, in cool, dry, locked and ventilated room. Protect from moisture, open flames or heat. Do not open container, except for immediate use. Should container be damaged or start leaking in storage, remove it to open air and transfer contents to undamaged original container. Do not contaminate water, food or feed by storage and disposal. Pesticide wastes are actually hazardous. Improper disposal of excess pesticide is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest Environmental Protection Agency (EPA) regional office for guidance. Dispose of leaks by triple rinsing. Then offer for re-cycling or reconditioning. Or purchase and dispose of it at the sanitary land fill or by other procedures approved by state or local authorities.

EFFICACY:

When used as directed, gastoxin will effectively control all life stages of the following pests: almond moth, angoumois grain moth, bean weevil, beetle cigarette, beetle, confused flour beetle, dermestid, etc., dried fruit beetle, dried fruit moth, European grain moth, flat grain beetle, grainary and rice weevil, Indian meal moth, lesser grain borer, Mediterranean flour moth, pink bollworm, tawny moth, red flour beetle, rusty grain beetle, saw-toothed grain beetle, and tobacco moth.

Detailed use instructions for the fumigation of specific raw agricultural commodities, processed foods, animal feeds, tobacco, non-food items, cereal mills, feed mills, and warehouses are to be found in the box of 1 lb. of product. A manual to use with gastoxin Tablets and gastoxin Pellets. This manual is considered as labeling and is as official as the label on the container itself.

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 Applicator's Certification.

gastoxin®

FUMIGATION PELLETS

Active Ingredient... 57.00% (Aluminum phosphide)
Inert Ingredients... 43.00%
TOTAL... 100.00%

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

- If swallowed: Induce vomiting by touching back of patient's throat with a blunt object such as the finger.
- If inhaled: Remove victim to open air. Make him lie down and keep him warm. CALL A PHYSICIAN IMMEDIATELY.
- If on skin: Wash affected area with soap and water.
- If in eyes: Flush thoroughly with water.

See side panel for additional precautionary statements.

Manufactured by:
CASA BERNARDO LTDA.
Av. Ana Costa - 464
Santos - S.P. - Brazil
Tel. (0132) 32-8311

Sold by:
BERNARDO CHEMICALS limited
3133 Fleetbrook Drive
Memphis, Tennessee 38116
Tel. (901) 398-1721

EPA EST. N° 43743-BR-01
EPA REG. N° 43743-24AA

Contents: 1680 pellets • Net weight: 22 lbs (998 g)

BEST AVAILABLE COPY

FOR FUMIGATION OF RAW AGRICULTURAL COMMODITIES AND BULK ANIMAL FEEDS stored or shipped in bulk, the pellets may be either (1) fed into the commodity as it flows into a storage area or conveyance such as a box or hopper railcar (static or in transit), static truck trailer or (2) probed into the commodity in storage or after loading has been completed in a manner so as to provide uniform spacing between individual pellets. Care must be taken to see that the fumigation area is properly sealed and that warning placards are attached. For raw commodities not stored or shipped in bulk, pellets may be placed on trays or in moisture permeable envelopes and the fumigation proceeds as for with processed foods.

Dosage for commodities other than nutmeats and peanuts is 120-300 pellets per 1000 bushels. Dosage for nutmeats and peanuts in bags or storage boxes is 100-200 pellets per 1000 cubic feet of storage space. For peanuts in bulk, use tablets. Effectiveness of the fumigation depends on the tightness of the storage area, commodity temperature, and length of exposure period.

FOR FUMIGATION OF PROCESSED FOODS AND PACKAGED ANIMAL FEEDS, the commodities may be fumigated in bulk, in bags, or in packages. They may be treated in box or hopper railcars (static or in transit), static truck trailers, under gas proof tarpaulins, or in other enclosures where foods or feeds are commercially stored and can be made sufficiently gas tight. Pellets may be placed on trays or in moisture permeable envelopes (not more than ten pellets per envelope) which, in turn, are fastened to a substantial support. After fumigation, pellet residue shall be disposed of by burying or saturating with water to which a small amount of wetting agent has been added. gastoxin® pellets or their residual dust must not come in contact with any processed food.

Dosage for specified processed foods and packaged animal feeds is 100-200 pellets per 1000 cubic feet of storage space. gastoxin® must not be placed in or attached to packages intended for consumers or retailers. Aerate finished food two days before it is offered to the consumer.

Do not move trucks, vans, or trailers during fumigation. They must be completely aerated before movement is allowed.

BARGE FUMIGATION IS REGULATED BY U.S. COAST GUARD REGULATIONS 46 CFR 147A.

When fumigating unmanned barges, the pellets may be fed into raw agricultural commodities and bulk animal feeds as the barge is being loaded or may be probed in after loading is completed. When treating raw commodities or feeds not stored in bulk and processed foods, the pellets must be contained and fastened to a support. Dosage and exposure time on unmanned barges is identical to the use for the same commodities fumigated in land based structures or storage areas.

Following application of the fumigant, the barge must be sealed and warning placards attached. Prior to unloading of unmanned fumigated barges, make appropriate tests to ascertain safety of cargo area.

Dosage for cereal mills, feed mills, and warehouses is 100-150 pellets per 1000 cubic feet. Fumigation of such areas must be conducted by trained fumigators. All safety precautions such as sealing of building, padlocking and placarding of entrances, notifying police and fire officials, and posting of guards, if required, must be adhered to.

Dosage for stored tobacco is 100-150 pellets per 1000 cubic feet. Aeration time for hogheads shall not be less than three days on all other containers two days.

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.

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).

WARRANTY: Seller does not make warranties expressed or implied on the usage of this product other than those directed on the label. Customer will assume all risks in handling and use of this material contrary to label requirements.

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ACCEPTED

FEB 8 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 43743-2