

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER: gaslets when moist, releases hydrogen phosphide which is poisonous if inhaled. Do not breathe dust or fumes. Poisonous 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 use. ALWAYS OPEN IN OPEN AIR. Keep available a gas mask and canister showing the approval of MSHA/NIOSH or the U.S. Dept. of Interior, Bureau of Mines, for phosphine protection. Use mask and canister 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 tablets is of no environmental hazard. Hydrogen phosphide is practically insoluble in fat, oil, 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, gaslet 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 tablets 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, 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 (EPA) regional office for guidance. Dispose of tablets by incineration. Then offer for recycling or reconditioning. Or puncture and dispose of it at the sanitary land fill or by other procedures approved by state or local authorities.

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

Delayed use instructions for the fumigation of specified raw agricultural commodities, processed foods, animal feeds, tobacco, non-food items, cereal mills, feed mills, and warehouses are to be found in the booklet entitled "Product Manual for use with gaslets, tablets and gaslets." This manual is considered as labeling and use instructions, covering additional fumigation procedures.

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 TABLETS

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

KEEP OUT 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 - 484
Santos - S.P. - Brazil
Tel. (0132) 32-8311

Sold by:
BERNARDO CHEMICALS limited
3133 Fleetbrook Drive
Memphis, Tennessee 38116
Tel. (901) 368-1721

EPA EST. NO. 43743-BR 01
EPA REG. NO. 43743-1-AA

Contents: 500 round tablets • Net weight: 3.3 lbs (1500 g)

ACCEPTED

FEB 8 1985

as evidenced by the fact that it is registered under EPA Reg. No. 43743-1

FOR FUMIGATION OF RAW AGRICULTURAL COMMODITIES AND BULK ANIMAL FEEDS stored or shipped in bulk, the tablets 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) placed into the commodity in storage or after loading has been completed in a manner so as to provide uniform spacing between individual tablets. Care must be taken to see that the fumigated area is properly sealed and that warning placards are attached. For raw commodities not stored or shipped in bulk, tablets may be placed on trays or in enclosure permeable envelopes and the fumigation proceeds as for a processed food.

Dosage for commodities other than nuts and peanuts is 80-120 tablets per 1000 bushels. Dosage for peanuts is 80-125 tablets per 1000 cubic feet, and for nutmeats 30 tablets per 1000 cubic feet of storage space. 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 pack ages. They may be treated in box or hopper railcars (static or in transit), static truck, under gas-proof tarpaulins, or in other enclosures where foods or feeds are commercially stored and can be made sufficiently gas tight. Tablets may be placed on trays or in moisture permeable envelopes (not more than two tablets per envelope) which, in turn, are fastened to a substantial support. After fumigation tablet residue shall be disposed of by burying or submerging with water to which a small amount of settling agent has been added. Gaslets, tablets or their residual dust must not come in contact with any processed food.

Dosage for specified processed foods and packaged animal feeds (other than dried fruit and nuts) is 30-40 tablets per 1000 cubic feet of storage space. Dosage for dried fruit and nuts is 30 tablets per 1000 cubic feet of storage space. Gaslets must not be placed in, or attached to pack ages intended for consumers or retailers. Aerials related food two days before it is offered to the consumer.

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

BARGE FUMIGATION IS REGULATED BY U.S. COAST GUARD REGULATIONS 46 CFR 174.

When fumigating unsealed barges, the tablets may be fed into raw agricultural commodities and bulk animal feeds as the barge is being loaded, or may be placed in after loading is completed. When treating raw commodities or feeds not stored in bulk and processed foods, the tablets must be contained and fastened to support. Dosage and exposure time on unsealed 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 unsealed, fumigated barges, make appropriate tests to ascertain safety of cargo area.

Dosage of cereal mills, feed mills, and warehouses is 20-30 tablets per 1000 cubic feet of space. 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 20-30 tablets per 1000 cubic feet of space. Aeration time on hopheads shall not be less than three days, for 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 airtight" the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely sealed and safe for entry, as indicated by a suitable detector.

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

Commodity at 54-56 °F (12-15 °C) — at least five days.

Commodity at 60-66 °F (16-20 °C) — at least four days.

Commodity over 68 °F (20 °C) — not less than three 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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SYMPTOMS:
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ENDANGERED SPECIES CONSIDERATION

- 1) **Black-Footed Ferret:** Do not use this product in the range of the Black-Footed Ferret. Contact the nearest U.S. Fish and Wildlife Service Office (Endangered Species Specialist) before the product is used. They will arrange for a ferret survey of the proposed use site.
- 2) **Utah Prairie Dog:** The directions for use for controlling prairie dogs must include the following restriction: except Utah prairie dogs.
- 3) **San Joaquin Kit Fox:** This pesticide should not be used within 1 mile of active dens of the San Joaquin Kit fox in the following California counties: Kern, Kings, Fresno, San Luis Obispo, Merced, Monterey, Santa Barbara, Ventura, Tulare, and San Benito. Prior to use, contact the California Department of Fish and Game for recommendations.
- 4) **Blunt-Nosed Leopard Lizard:** This pesticide should not be used in the range of the blunt-nosed leopard lizard in the following California counties: Kern, Fresno, Kings, Madera, Merced, and Tulare. Prior to use, contact the California Department of Fish and Game for recommendations.
- 5) **Eastern Indigo Snake:** Do not use this product in the range of the Eastern Indigo snake in the following states: Mississippi, Alabama, South Carolina, Georgia, and Florida.
- 6) **Desert Tortoise:** This pesticide should not be used in the Critical Habitat of the Beaver Dam slope population of the desert tortoise in Utah. This comprises an area extending from the southwest facing slope of the Beaver Dam Mountains, across Highway 91, west along the Arizona border and 10 miles to the Nevada border.

This product is highly toxic to wildlife and fish. All burrows should be checked for signs of nontarget animals and if they are present, burrows should not be treated.

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RESTRICTED USE PESTICIDE

For 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 Certificate.

Supplemental Label For

gastoxin®

FUMIGATION TABLETS FOR CONTROL OF MOLES AND BURROWING RODENTS

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

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BERNARDI CHEMICALS limited
3133 Fleetwood Drive
Memphis, Tennessee 38116
Tel. (901) 366-1721

EPA EST. NO 43743-1 R-01
EPA REG. NO. 43743 1-AA

Contents: 500 round tablets • Net weight, 3.3 lbs (1500 g)

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Do not store near heater, 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 tablets 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 it 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 content to undamaged original container. Do not contaminate water, food or feed by storage and disposal. Pesticide wastes are acutely 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 of the Hazardous Wastes Representative at the nearest Environmental Protection Agency (EPA) regional office for guidance. Dispose of flasks by triple rinsing. Then offer for recycling or reconditioning. Or puncture and dispose of it at the sanitary land fill or by other procedures approved by state or local authorities.

FOR CONTROL OF THE FOLLOWING MOLES AND BURROWING RODENTS:

Marmot sp., Woodchucks and Yellow-Belly Marmots (Rockchuck), Prairie Dogs (except Utah Prairie Dogs), Norway and Roof Rats, House Mice, Ground Squirrels, Moles, Voles, Gophers, and Chipmunks.

DIRECTIONS FOR USE AGAINST BURROWING PESTS:

Add from 2 to 4 gastoxin® tablets to the burrow. Seal tightly by shoveling soil over the entrance after first packing the opening with crumpled newspaper. This will prevent the soil from covering the gastoxin tablets and slowing down their action. Use lower rates in smaller burrows under moist soil conditions and higher rates in larger burrows when soil moisture is very low. Treat reopened burrows a second time 1 to 2 days after the initial treatment. For use on non crop areas and orchards.

OUTDOOR USE ONLY:

Do not use within 15 feet (5 meters) of inhabited structures. Do not apply to burrows which may open under or into occupied buildings.

Please consult Local, State, and Federal Game Authorities to ensure that endangered species do not inhabit the area proposed for treatment.

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. 43743-1

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