

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.

BRO/PIC-2

CONTAINS 2% CHLOROPICRIN

ACTIVE INGREDIENTS:

Methyl bromide98%
Chloropicrin2%
	100%

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

Statement of Practical Treatment

If inhaled — Carry patient to fresh air. Call a physician at once. Make sure patient can breathe freely. Keep patient lying down and warm. Give artificial respiration if breathing has stopped. Oxygen should be administered only by qualified personnel.

If on skin — Immediately remove all contaminated skin covering including shoes, clothing and adhesive or other bandages. Wash skin thoroughly with soap and water; if irritation or blisters develop. Get medical attention. Do not reuse shoes or clothing until free of all contaminations.

If in eyes — Flush immediately with plenty of water for at least 15 minutes and get medical attention.

See left side panel for additional precautionary statement.

EPA Reg. No. 8622-10

EPA EST No.

Net Weight

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Distributed by

Ameribrom, Inc

1250 Broadway

New York, N.Y. 10001

12/81

DIRECTIONS FOR USE

For specific information on dosage, uses, insect problems, procedures, or safety precautions consult AMERIBROM, INC. 1250 Broadway, New York, N.Y. 10001.

This fumigant may be used in box cars, warehouses, fumigation vaults, food and cereal mills, ships and bulk grain storages. Do not fumigate if grain moisture is high, or if grain temperature is low (below 60° F.) or if there is excessive dockage.

INSECTS CONTROLLED: Granary weevil, grain beetle, rice weevil, caddis, mites, bran bugs, grain borers, mealworms, Indian meal moth. Kills insects in all life stages. Kills rats and mice in fumigated area.

SPACE FUMIGATION: The usual dosage rate for each 1000 cu. ft. will range from 1 to 3 lbs., 12 to 24 hours exposure, depending upon tightness of structure and kind and amount of commodity in storage.

BULK GRAIN DOSAGE RATES:

(General) above 65° F.

Shelled corn	2 lbs. each 1000 cu. ft.
Wheat (similar small grains)	3 lbs. each 1000 cu. ft.
Milo (grain sorghum)	4 lbs. each 1000 cu. ft.

CAUTION: Extinguish all flames such as pilot lights and glowing heating units to avoid corrosion.

Do not use dosages higher than recommended as this may in some cases result in residues in excess of those permitted. Do not fumigate food products other than those specified in directions.

Remove the following materials from building before fumigation as they may develop undesirable odors: furs, high protein flour and cereals, horsehair articles, iodized salt, patent leather articles, rubber goods, sulfur containing compounds or synthetic detergents.

WARNING: The black canister, for protection against organic vapors, should be used with a full-faced gas mask when releasing gas in buildings and when opening up for aeration after fumigation. Use halide leak detector to determine thoroughness of aeration.

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 for 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 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.
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 his 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."

(See next panel to right)

**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

Keep out of reach of children, extremely hazardous liquid and vapor under pressure. Inhalation may be fatal or cause delayed lung injury. Liquid and vapor cause burns which may be delayed. Do not breathe vapor, use only with adequate ventilation. Do not get in eyes, on skin or on clothing. Do not use ordinary rubber protective clothing including gloves and boots. Keep away from heat. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part II. Chloropicrin must never be depended upon as a warning agent when a gas mask is worn. Send for a doctor immediately in case of exposure.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not discharge in lakes, stream, ponds or public water unless in accordance with a National Pollution Discharge Elimination System permit. For guidance, contact your regional office of EPA.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal:

Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

Container Disposal:

Close cylinder and return to distributor or manufacturer.

(see right panel)

Methyl Bromide
Liquid UN 1062



POISON

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3. During the fumigation or until a manned vessel leaves port or the cargo is aerated, the person in charge of the fumigation shall insure that a qualified person using gas or vapor detection equipment tests spaces adjacent to spaces containing fumigated cargo and all regularly occupied spaces for fumigation 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 insure 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 personnel 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 personnel safety equipment. Do not allow entry to fumigated areas without personnel safety equipment, unless fumigant concentrations are at safe levels, as indicated by a suitable detector.

Placard directions for the following areas: box cars, warehouses, fumigation vaults, food and cereal mills, ships and bulk grain storages.

Fumigated areas must be placarded on all entrances with signs containing at least the signal word DANGER and the "Skull & 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.

SOIL FUMIGATION DIRECTIONS

The following are general instructions on the use of Bro Pic 2 for soil fumigation to be used as preplanting soil treatment in seed beds or transplant beds for the production of transplants only.

SOIL FUMIGANT USES: Bro Pic 2 is an effective soil fumigant for the control of nematodes, weed seeds and certain soil-borne disease-causing fungi. In seed beds and potting soils it contributes to a maximum production of healthy, vigorous tobacco, vegetable transplants, nursery and forest tree seedlings. Where "slips," "cuttings," "spuds" or seeds are used as in greenhouses, nurseries, golf greens, lawns and ornamental gardens, healthy and vigorous rooting is established quickly.

SOIL PREPARATION: Plow or otherwise work soil to a fine tilth. Add fertilizer, manure or compost, work in well. Soil should be moist and friable for best results. Do not fumigate when soil is dry or excessively wet.

CAUTION: Do not fumigate when soil temperature is below 50° F. Bro Pic 2 use in vegetable beds is limited to the production of transplants only.

EXPOSURE PERIODS: Expose for 48 hours when soil temperature is between 50° F. and 60° F. and for 24 hours when above 60° F.

DOSAGE: For most purposes use 1 lb. of Bro Pic 2 for each 100 sq. ft. of soil to be treated.

WHEN TO PLANT: After the exposure aerate soil for 3 days before seeding or 5 to 7 days before setting out vegetation growth.

(See next panel to right)

APPLICATION OF Bro-Fic 2: The "cold method" consists of conveying the liquid methyl bromide through a plastic tube from the cylinder to the evaporating pan under the cover. Use one vaporizer pan for each 300 to 400 sq. ft. Anchor discharge tube in pan with temporary weight for easy withdrawal. Support polyethylene cover with mounds of dirt, inverted bottles or straw-filled sacks. Anchor edges of cover in shallow trench. The resulting gas spreads over and penetrates the soil. Do not discharge the liquid directly on the soil.

The chisel injection method is applied with chisels spaced 12 inches apart to a depth of 8 inches. Seal fumigant with drag or cultipacker immediately behind chisels. Cover with a gas-proof tarpaulin. Remove tarpaulin after recommended fumigation period and aerate soil.

The "hot" use of "hot gas" from cylinders in conjunction with mechanical laying of the polyethylene cover requires detailed description. For further information on this use inquire from your supplier or from Amer-Brom Inc.

TREE AND VINE SITE FUMIGATION DIRECTIONS

CITRUS SOIL FOR CONTROL OF PHYTOPHTHORA AND CITRUS NEMATODES IN FLORIDA SANDY SOILS: This is a preplant or replant treatment. Trees which are planted in this treated soil will not have harvestable fruit for a period of at least 24 months. Apply with chisels spaced 12 inches apart to a depth of 5 to 8 inches. Seal fumigant with a drag or cultipacker immediately behind chisels. Apply at the rate of 1 lb. 100 sq. ft. Cover with a 4-mil tarp and expose to fumigation for 96 hours. Will control disease to a depth of 4 feet. Aerate 2 weeks before setting transplants in treated area.

CONTROL OF ARMILLARIA MELLEAE (OAK ROOT FUNGUS) ON DECIDUOUS FRUITS AND NUTS, CITRUS AND VINEYARDS:

DOSAGE AND METHOD OF APPLICATION

This is a preplant or replant treatment. Crops which are planted in this treated soil will not have harvestable fruit for a period of at least 24 months. Methods and dosage of application are as follows:

1. After the soil has been properly prepared, inject 2 pounds of Bro Pic 2 per 100 sq. ft. by chisel application spaced 48 inches apart to a depth of 36 inches. Covered with adequate polyethylene film seal, it will control *Armillaria melleae* (oak root fungus) in grape vineyards, citrus groves, and all deciduous fruit tree orchards on a preplant or replant basis. Do not apply to soil where trees or vines will bear fruit within 24 months.

2. **DEEP INJECTION AUGER-FROBE TREATMENT:** 36 inches or more below the surface of the soil will effectively control *Armillaria melleae* (oak root fungus) in grape vineyards, citrus groves, and all deciduous tree fruit orchards. Use one pound of Bro Pic 2 per injection site in lighter soils, two pounds of Bro Pic 2 in fine-textured soils. There is one (1) injection site per 100 sq. ft. (on a 10 ft. x 10 ft. grid pattern) with the injection in the center of the area to be treated.

PREPARATION FOR APPLICATION

To obtain the maximum control of *Armillaria melleae* with methyl bromide, the soil in the area to be treated must be dry to the depth requiring treatment. This can be accomplished by:

- (a) planting Sudan grass in the Spring, irrigating until the grass has established itself, then do not irrigate any further.
- (b) naturally, by leaving infected plants in the area to be treated and letting weeds, etc., grow without irrigation.

When soil is dried, cut and remove grass, plants and debris, rip soil to a depth of 18 to 24 inches, and disc to smoothness.

EXPOSURE PERIOD — AERATION

1. To insure proper time-concentration relationship to control oak root fungus, we recommend a seven-day period before removing the polyethylene film cover, and a one-day interval with "DEEP INJECTION AUGER-FROBE TREATMENT," after which planting or replanting of trees, vines or other deep-rooted crops may begin 14 days later.

2. Methyl bromide under these very dry conditions will not control most weed seeds. Some control may be observed, however, on deep-rooted perennials such as morning glory (bindweed) and the rhizomes of Johnson grass.

ACCEPTED

FEB 25 1982

Under Order # 86-22-10