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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

AUG 14 1997

Louise L. Wen, Ph.D.
Manager, Regulatory Affairs
Albemarle Corporation
451 Florida Street
Baton Rouge, LA 70801

Subject: WPS and Environmental Hazards Labeling Amendments and
Applications Manual

M-B-R 98 Fumigant	EPA Reg. No. 3377- 7 ✓
M-B-R 2 Penetrating Fumigant	EPA Reg. No. 3377-16
M-B-R 33 Soil Fumigant	EPA Reg. No. 3377-17
M-B-R 98 Technical	EPA Reg. No. 3377-27
M-B-R 75 Preplant Soil Fumigant	EPA Reg. No. 3377-30

Your Letters Dated June 2, 1997

Dear Dr. Wen:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, are acceptable subject to the condition below.

On the front panel, delete "OVER" in the statement "IN ALL CASES OF OVER EXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY." because persons may not be aware that they are "over" exposed to methyl bromide.

The applications manual is acceptable subject to the following conditions:

1. On page 10, revise the last paragraph under **PLACARDING OF FUMIGATED AREAS** to include the information on chloropicrin such as the safe air concentration level.
2. On page 13, change "hey" to "they" in the first sentence after 4.

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If these conditions are not complied with, the subject registrations will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of the products for shipment constitutes acceptance of these conditions. Please submit one copy each of your final printed labeling before you release the products for shipment. Stamped copies of the labels and applications manual are enclosed for your records.

If you have any questions, then please contact Terri Stowe of my staff at (703) 305-6117.

Sincerely,

Mary L. Waller

Mary L. Waller
Acting Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosures

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RESTRICTED USE PESTICIDE DUE TO ACUTE TOXICITY

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.

M-B-R 98 FUMIGANT

FOR USE AS A PRE-PLANT SOIL TREATMENT AND A STRUCTURAL FUMIGANT

97 JUN -4 P 3:57

RECD LPA/OPP/OP01

ACTIVE INGREDIENT:
 Methyl Bromide.....98 %
 INERT INGREDIENT:
 Chloropicrin.....2 %

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO



POISON

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

**IN ALL CASES OF OVER EXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY.
TAKE PERSON TO A DOCTOR OR EMERGENCY TREATMENT FACILITY.**

IF INHALED - Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, apply artificial respiration. Do not give anything by mouth to an unconscious person.

IF ON SKIN - Immediately remove contaminated clothing, shoes, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

IF IN EYES - Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

ALBEMARLE CORPORATION
451 Florida Street
Baton Rouge, LA 70801

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

AUG 14 1997

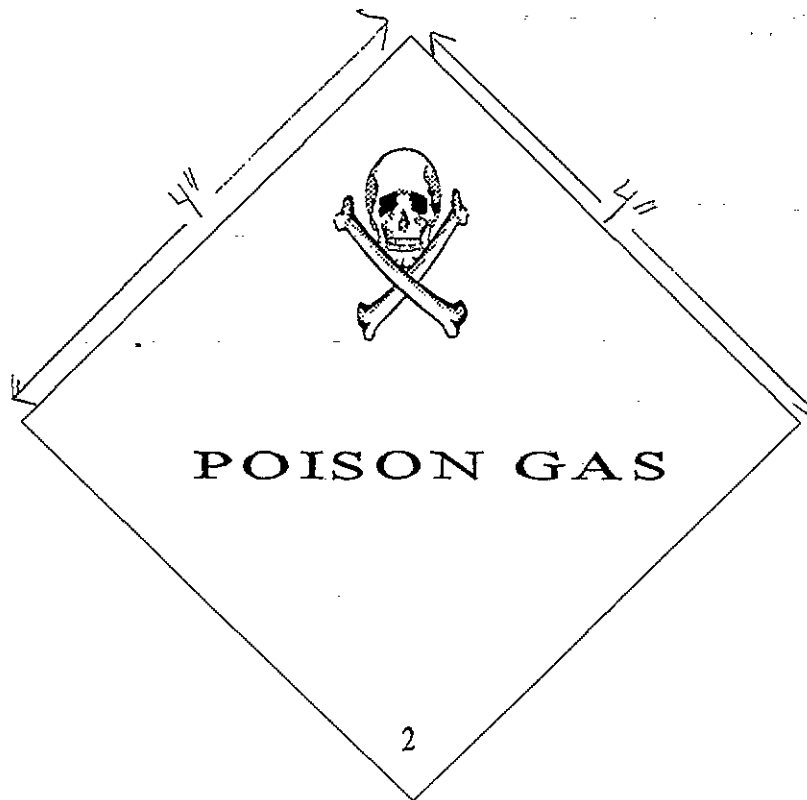
**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
3377-7**

In case of an emergency endangering life or property
involving this product, call collect (504) 344-7147.

EPA Reg. No. 3377-7
EPA Est. No. 3377-AR-1
NET CONTENTS.....LBS.

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METHYL BROMIDE
LIQUID
UN 1062
INHALATION HAZARD



WARRANTY

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

WARNING

Contains Methyl Bromide, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

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**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS
AND DOMESTIC ANIMALS**

DANGER

EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE. DO NOT BREATHE VAPOR. INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG, NERVE OR BRAIN INJURY. LIQUID OR VAPOR CAN CAUSE SERIOUS SKIN OR EYE INJURY WHICH MAY HAVE A DELAYED ONSET. DO NOT GET LIQUID ON SKIN, IN EYES OR ON CLOTHING.

This product contains chloropicrin as a warning odorant. Chloropicrin may be irritating to the upper respiratory tract, and even at low levels cause painful irritation to the eyes, producing tearing. If these symptoms occur, leave the fumigation area immediately.

NOTE TO PHYSICIAN

Early symptoms of overexposure are dizziness, headache, nausea and vomiting, weakness and collapse. Lung edema may develop in 2 to 48 hours after exposure, accompanied by cardiac irregularities; these effects are the usual cause of death. Repeated overexposure can result in blurred vision, staggering gait and mental imbalance, with probable recovery after period of no exposure. Blood bromide levels suggest the occurrence, but not the degree, of exposure. Treatment is symptomatic. See the product MSDS for additional information.

AIR CONCENTRATION LEVEL

The acceptable air concentration level for persons exposed to methyl bromide is 5 ppm (20 mg/M³), except that for entry into residential and commercial structures the acceptable air concentration level is 3 ppm. The air concentration is measured by a direct reading detection device such as a Matheson-Kitagawa.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Loose-fitting or well ventilated long-sleeved shirt and long pants

Shoes and socks

Full-face shield or safety glasses with brow and temple shields when handling liquid product (Do NOT wear goggles.) When the acceptable air concentration level is above 5 ppm and a respirator is required, protect the eyes by wearing a full-face respirator.

No respirator is required if the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

A respirator is required if the acceptable air concentration level of 5 ppm for methyl bromide is exceeded at any time. The respirator must be one of the following types: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Under normal soil fumigation conditions, the concentration of methyl bromide in the working area will not generally exceed 5 ppm as a time-weighted average and no respiratory protection is required. However, there is the possibility of a spill or leak during soil fumigation. Therefore, a respirator of a type specified above must be available and will be required for entry into an affected area in the event of a leak or spill.

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WORK SAFETY REQUIREMENTS

1. Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or rubber boots when handling. Methyl bromide is heavier than air and can be trapped inside clothing and cause skin injury.
2. If liquid fumigant splashes or spills on clothing, remove them at once, as fumes will be an intolerable source of irritation.
3. Immediately after contamination remove outer clothing, shoes, and socks and do not reuse until thoroughly aerated or ventilated. Keep such clothing and shoes outdoors until thoroughly aerated. Then follow the PPE manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE and work clothing separately from other laundry.
4. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
5. Follow PPE manufacturer's instructions for cleaning/maintaining protective eyewear and respirators.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

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STORAGE AND DISPOSAL

STORAGE AND HANDLING

Store in secure manner either outdoors under ambient conditions or indoors in a well ventilated area. Post as a pesticide storage area. Do not contaminate water, food, or feed by storage or disposal.

Store cylinders upright, secured to a rack or wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging, or sliding. Do not use rope slings, hooks, tongs or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. Replace safety cap and valve protection bonnet when cylinder is not in use.

CONTAINER DISPOSAL

When cylinder is empty, close valve, screw safety cap onto valve outlet, and replace protection bonnet before returning to shipper. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Follow registrant's instructions for return of empty or partially empty cylinders.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticides 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 representatives at the nearest EPA Regional Office for guidance.

SPILL AND LEAK PROCEDURES

Evacuate everyone from the immediate area of the spill or leak. For entry into affected area to correct problem, wear the personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling. Move leaking or damaged containers outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow spilled fumigant to evaporate. Only correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the air concentration level of methyl bromide is measured to be less than 5 ppm.

Contaminated soil, water, and other cleanup debris is a toxic hazardous waste. Report spill to the National Response Center (800-424-8802) if the reportable quantity of 1000 lbs. is exceeded.

ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state Water Board or Regional Office of the EPA.

The successful use of M-B-R 98 depends upon its containment during the fumigation exposure period. Monitor the area immediately surrounding the fumigation site with a halide detector during exposure and aeration periods to establish that dangerous levels of M-B-R 98 are not present.

The high volatility of M-B-R 98 permits it to be vented from spaces being fumigated and to dissipate rapidly with no hazard to surrounding areas with correct monitoring.

CHEMICAL HAZARD

M-B-R 98 is nonflammable. There is no danger from fire or explosion in use concentrations. However, flame can change the chemical to produce some corrosive damage to items in the space being fumigated. Pilot lights and glowing wire heaters should be turned off.

Do not apply gas directly to metal surfaces because of possible corrosive effect on certain metals.

Do not use containers or application equipment made of magnesium, aluminum or their alloys.

The following materials can develop undesirable odors when encountered in structural fumigation and should be removed from the space being fumigated:

1. Foodstuffs: (a) Iodized salt; (b) Full-fat soya flour; © Any kinds of materials that contain reactive sulfur compounds, such as some soap powders, some baking sodas and some salt blocks used for cattle licks.
2. Certain rubber goods: (a) Sponger rubber; (b) Foam rubber, as in rug padding, pillows, cushions, and mattresses; © Rubber stamps and other similar forms of reclaimed rubber.
3. Furs, horsehair and pillows (especially feather pillows).
4. Leather goods, particularly white kid or any other leather goods tanned with sulfur processes.
5. Woolens: Extreme caution should be used in the fumigation of any angora woolens, and some adverse effect - has been noted on the fumigation of woolen suits, coats, blankets, handknit woolen socks, sweaters, shawls, and woolen yarn.
6. Viscose Rayons: Those rayons processed or manufactured by a process in which carbon bisulfide is used.
7. Paper: (a) Silver-polishing papers; (b) certain writing papers cured by sulphide processes.
8. Photographic chemicals as used in photo processing darkrooms (does not include camera film).
9. Rug padding.
10. Cinder blocks.
11. Mixed concrete, which occasionally picks up odors.
12. Any materials that may contain reactive sulfur compounds. These products may hinder effectiveness of the fumigant: Charcoal materials - charcoal absorbs the Methyl Bromide reducing the effective concentration and contaminating the charcoal.
13. If there is a question whether a material may develop an odor, a test fumigation may be run with a small quantity of the material.

Return empty containers for re-use.

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DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

PLACARDING OF FUMIGATED AREAS

The applicator (or supervisor of the application) must placard all entrances to the fumigated area with signs bearing:

- skull and crossbones symbol,
- "DANGER/PELIGRO,"
- "Area under fumigation, DO NOT ENTER/NO ENTRE,"
- "Methyl Bromide Fumigant in use,"
- the date and time of fumigation, and
- name, address, and telephone number of the applicator.

Do not allow entry by unprotected persons into fumigated area until the signs are removed. Such signs must only be removed when the air concentration level of methyl bromide is measured to be less than 5 ppm. Signs must remain legible during the entire posting period.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 C.F.R. 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements in this labeling about personal protective equipment, restricted-entry levels, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

No instructions elsewhere on this labeling relieve users from complying with the requirements of the WPS.

ENTRY RESTRICTIONS

Greenhouse Space Fumigation: Entry (including early entry that would otherwise be permitted under the WPS) by any person -- other than a correctly trained and equipped handler who is performing a handling task permitted by the WPS -- is **PROHIBITED** in the entire greenhouse (entire enclosed structure/building) from the start of application until aeration reduces the air concentration level of methyl bromide in the working area to less than 5 ppm.

Greenhouse Soil Fumigation: Entry (including early entry that would otherwise be permitted under the WPS) by any person -- other than a correctly trained and equipped handler who is performing a handling task permitted by the WPS -- is **PROHIBITED** in the entire greenhouse (entire enclosed structure/building) from the start of application until 48 hours after application **AND** until the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm. Until the aeration of the soil is complete (usually 10-14 days), non-handlers are permitted in the greenhouse **ONLY** while the air concentration level of methyl bromide in their working area remains less than 5 ppm. If tarps are used for the application, non-handler entry is prohibited during tarp removal and until the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

Outdoor Soil Fumigation: Entry (including early entry that would otherwise be permitted under the WPS) by any person -- other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling -- is **PROHIBITED** from the start of application until 48 hours after application. In addition, if tarps are used for the application, non-handler entry is prohibited while tarps are being removed.

NOTIFICATION

Notify workers of the application by warning them orally and by posting fumigant warning signs, as described in the "Placarding of Fumigated Areas" section of this labeling. Post the fumigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size, and timing of posting and removal.

Greenhouses -- Soil or Space Fumigation: Post the fumigant warning signs outside all entrances to the entire greenhouse (entire enclosed structure/building).

Outdoor Soil Fumigation: Post the fumigant warning signs at entrances to treated areas.

PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PERIOD

PPE for entry that is permitted by this labeling is listed in the "Hazards to Humans and Domestic Animals" section of this labeling.

DIRECTIONS FOR USE (Cont.)

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This fumigant is a highly hazardous material and should be used only by individuals trained in its proper use. Before using, read and follow all label precautions and directions, including the attached product manual.

All persons working with this fumigant must be knowledgeable about the hazards, and trained in the use of required respirator equipment and detector devices, emergency procedures, and proper use of the fumigant.

When used for fumigation of enclosed spaces (houses and other structures, warehouses, vaults, chambers, greenhouses, trucks, vans, boxcars, ships, and other transport vehicles, and tarpaulin-covered areas or commodities), two persons trained in the use of this product must be present at all times during introduction of the fumigant, initiation of aeration, and after aeration when testing for reentry. Two persons do not need to be present if monitoring is conducted remotely (outside the area being fumigated).

Keep animals, children and unauthorized people away from area under treatment until area is certified free of M-B-R 98.

CYLINDER HANDLING

Use copper or polyethylene tubing to connect cylinder to fumigation chamber, etc. Check all connections with halide leak detector during fumigation to make certain no leaks appear. If leaks occur, shut off main cylinder valve and tighten or replace all loose fittings. When empty, replace valve cap and dome, check for leaks with a suitable detector and return empty cylinder to your vendor. Do not reuse container.

SOIL FUMIGATION:

M-B-R 98 Fumigant is effective for the control of root-knot nematodes, cyst nematodes, wireworms and weeds. It is also effective for treatment of bulk soil in greenhouses, hotbeds, and cold frames. Treated soil may be planted with food crops. The dosage is 1 to 2 pounds per 100 square feet. Expose to fumigation for at least 48 hours at 60°F and above for 3 to 4 days under 60°F. Aerate until odor is gone. Allow 3 to 4 days before seeding and 2 to 3 weeks before setting transplants. Field dosage for strawberry or tomato soil is 240 pounds per acre. Expose to fumigation at least 48 hours at 60°F. Aerate two weeks before setting transplants. For fruit-tree planting soil in nurseries use 412 pounds per acre. Expose to fumigation for 48 hours at 60°F. Allow 3 to 4 days exposure time for lower temperatures. Aerate 7 to 10 days before planting. All fumigation should be done under a gas-tight tarpaulin.

STRUCTURAL FUMIGATION:

(NOT REGISTERED FOR
USE IN CALIFORNIA)

M-B-R 98 is for use only by pest control operators as a structural fumigant. M-B-R 98 Fumigant is widely used for household fumigation in the control of the drywood termite. The normal dosage for control of drywood termites is 2½ pounds per 1000 cubic feet at 60°F or above for 24 hours. It should be remembered, however, that although M-B-R 98 Fumigant will destroy the insects in a given structure, it will not kill the subterranean termite in its tunnels and underground nests. Comply with all local ordinances and State regulations pertaining to fumigation. Post warning signs at all entrances before fumigation. Before fumigation of structures, remove all materials made of rubber, synthetic rubber, horsehide, furs, and any articles containing sulfur compounds. Remove foods such as vegetable oils, butter, and iodized table salt as they may develop an unpleasant taste or odor. All open flames and electric heaters should be extinguished to avoid corrosion metallic parts. The structure should be entirely enclosed in a plastic gas-proof tarpaulin. Windows and doors should be left open to improve circulation within the cover. After fumigation, covers are drawn back from doors to permit aeration and later removal. If necessary to enter fumigation area before aeration, wear an approved, full-face gas mask. Check completion of aeration with suitable gas detector. Do not move trucks, vans, or trailers during fumigation. They must be completely aerated before movement is allowed.

Do not fumigate sites which may be used for storage or treatment of raw agricultural commodities.

AERATION AND REENTRY FOR FUMIGATED RESIDENTIAL OR COMMERCIAL STRUCTURES

At the end of the exposure period, after all tarpaulins or seals are removed from the structure, open all interior and exterior doors, windows, and vents that are operational. No person shall be allowed to reenter the structure unless wearing protective clothing and a NIOSH/MSHA approved self-contained breathing apparatus (SCBA) or combination air-supplied/SCBA respirator until the following criteria are met:

1. After fumigation, fumigated areas must be aerated until the air concentration level of methyl bromide is measured to be less than 5 ppm (3 ppm for residential and commercial structures).
2. Until the acceptable air concentration level is reached, do not allow any person to enter into the fumigated area unless he/she is wearing the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. In greenhouses, additional worker Protection Standard restrictions apply.
3. If non-mechanical or natural ventilation is used:
 - a) The structure must be aerated for a minimum of seven days from the time the tarpaulins are removed.
 - b) After aeration is completed, the level of methyl bromide in the structure must be measured using a gas detector device with a minimum detection limit of 3 ppm for methyl bromide. Measurements must be taken from an interior electrical outlet by inserting the detection device in the ground receptacles, or from other enclosed space within the wall on an interior and a perimeter wall; and
 - c) (i) The level of methyl bromide is less than 3 ppm from each area measured; or
(ii) If the level of methyl bromide is 3 ppm or greater, the structure shall be aerated for an additional 24 hours. At the end of the 24 hour period, the level of methyl bromide must be measured from the areas previously sampled. These procedures must be repeated until the level of methyl bromide is below 3 ppm.
4. If mechanical aeration is used:
 - a) For structures without attics, an aeration fan(s) must be inserted in a window or other exterior opening and sealed so that the air inside the structure is exhausted out of the structure. The aeration fan(s) must be capable of displacing 5,000 cubic feet of air per minute. To facilitate aeration, exterior openings, such as windows, vents or an access door to the sub-area, should be utilized. The structure must be aerated with the fan(s) operating for a minimum of 72 hours;
 - b) After aeration is completed, the level of methyl bromide in the structure must be measured using a gas detector with a minimum detection limit of 3 ppm for methyl bromide. Measurements must be taken from an interior electrical outlet by inserting the detection device in the ground receptacles, or from other enclosed space within the wall on an interior and a perimeter wall;
 - c) (i) The level of methyl bromide is less than 3 ppm from each area measured; or
(ii) If the level of methyl bromide is 3 ppm or greater, the structure must be aerated for an additional 12 hours. At the end of the 12-hour period, the level of methyl bromide must be measured from the areas previously sampled. These procedures must be repeated until the level of methyl bromide is below 3 ppm.

5. For structures with attics:

- a) An aeration fan must be inserted in the attic access door and a window or other exterior opening, and both sealed so that air inside the structure is exhausted outside the structure. The aeration fans must be capable of displacing a minimum of 5,000 cubic feet of air per minute. To facilitate aeration, exterior openings, such as windows, vents or an access door to the sub-area should be utilized. The structure must be aerated with the fans operating for a minimum of 72 hours;
- b) After aeration is completed, the level of methyl bromide in the structure must be measured using a Gas detector device with a minimum detection limit of 3 ppm for methyl bromide residues. Measurements must be taken from within an interior electrical outlet by inserting the detection device in the ground receptacles, or other enclosed space within an interior and a perimeter wall; and
- c) (i) The level of methyl bromide is less than 3 ppm from each area measured; or
(ii) If the level of methyl bromide is 3 ppm or greater, aeration must continue for an additional 12 hours. At the end of the 12-hour period, the level of methyl bromide must be measured from the areas previously sampled. These procedures must be repeated until the level of methyl bromide is below 3 ppm.

6. For structures with basements:

In addition to the requirements of paragraph 3, 4, and 5 above, the windows, vents and interior doors of the basement must be open, and

- a) After aeration is completed, the level of methyl bromide in the basement must be measured using a gas detector device with a minimum detection limit of 3 ppm for methyl bromide residues. A measurement must be taken from an interior electrical outlet by inserting the detection device in the ground receptacle, or from other enclosed space within the wall on an interior wall. In the absence of an interior wall, a measurement must be taken of the ambient air in the basement; and
- b) (i) The level of methyl bromide is less than 3 ppm; or
(ii) If the level of methyl bromide is 3 ppm or greater, the structure must be aerated for an additional 24 hours for natural ventilation or an additional 12 hours for mechanical aeration. At the end of the additional ventilation period, the level of the methyl bromide must be measured from the area in the basement previously sampled. These procedures must be repeated until the level of methyl bromide is below 3 ppm.

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STRUCTURAL FUMIGATION FACT SHEET

The applicator must obtain a structural fumigation fact sheet which has been signed by, and provided to, the following persons:

- (1) An adult occupant of a single family dwelling prior to the parties entering into a fumigation agreement,
- (2) (a) The owner, manager, or designated agent of the building for multiple-family dwellings, provided he or she acknowledges in writing to the applicator that a copy of the Structural Fumigant Fact Sheet has been provided to an adult occupant of each unit prior to the parties entering into a fumigation agreement; or

(b) An adult occupant of each unit in a multiple family dwelling prior to the parties entering into a fumigation agreement; or
- (3) The owner, manager, or designated agent for all structures or businesses other than family dwellings.

Refer to the Methyl Bromide Applications Manual for specific required language which must be included in the Methyl Bromide Fact Sheet. Fact sheets are also available from your supplier.

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USE PRECAUTIONS

PRIOR TO FUMIGATION:

Post all treated areas with warning signs. Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.

Never fumigate alone. It is imperative always to have an assistant and proper protective equipment in case of accidents.

Drivers of application equipment or persons in charge must advise other workers of all precautions and procedures. In addition, they must instruct their helpers in the mechanical operation of the tractor and how to safely work with the tractor and driver while fumigating.

Handle this fumigant in the open, with the operator "up wind" from the container where there is good ventilation.

Check fumigant pressure system for leaks before beginning operation.

Two trained persons must be present during introduction of the fumigant.

When fumigating soil from a tractor, 5 gallons of water must be carried on the tractor and placed where it is readily accessible. In addition to water available on the tractor, at least 5 gallons additional water must be available from the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."

All trash should be cleaned from the field before starting fumigation.

DURING FUMIGATION:

This fumigant should not be applied when there is an atmospheric inversion. Since uncomfortable concentration of chloropicrin may drift to nearby areas, immediately cover treated area with plastic tarpaulin for a minimum of 48 hours.

Do not lift injection shanks to turn at the end of a pass until fumigant has drained from system following closure of shutoff valve.

If trash is inadvertently pulled by the shanks to the ends of the field when fumigating, it must be covered by lifting the shanks, then covering the trash with polyethylene film before making the turn for the next pass.

When changing the cylinders, be certain they are turned off and fumigant system is not under pressure.

AFTER FUMIGATION

Keep pets, livestock, and other domestic animals out of the treated area during application, during the exposure period as specified for applications in Directions for Use, and during removal of tarpaulin.

Two trained persons must be present during removal of the tarpaulin.

SPILL AND LEAK PROCEDURES FOR SOIL FUMIGATION

In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor. Evacuate everyone from the immediate area of the spill or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling for entry into affected area to correct problem. Approach from upwind to make necessary repairs. Do not enter area without the required PPE until the spill has evaporated or the leak has been fixed.

005abi97.wpd
Supersedes
030CJD95.WPD
5/30/97