



Reg # 8853-1

PM-32

file  
1.9.14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

NOV 18 1994

DOUGLAS V. CURTIS  
HENDRIX AND DAIL, INC.  
P.O. BOX 648  
803 INDUSTRIAL BLVD.  
GREENVILLE, N.C. 27835

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 7/08/94 in Response to PR Notice 93-7  
EPA Reg. No. 8853-1  
MBC SOIL FUMIGANT

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

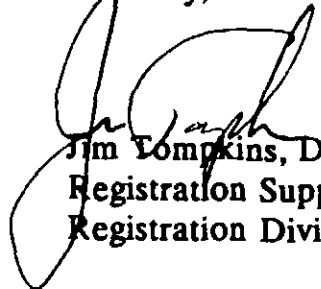
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

3914

Hendrix and Dail, Inc.

Comments for: EPA REG. NO. 8853-1  
MBC SOIL FUMIGANT

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Under PERSONAL PROTECTIVE EQUIPMENT

Modify as follows:

Applicators and other handlers must wear:

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.

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

**DANGER PELIGRO**

**EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE.**

**INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG OR NERVOUS SYSTEM INJURY.**

**DO NOT BREATHE VAPORS.**

**LIQUID OR EXCESSIVE 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 WHICH MAY BE IRRITATING TO THE UPPER RESPIRATORY TRACT, AND EVEN AT LOW LEVELS CAN CAUSE PAINFUL IRRITATION TO THE EYES, PRODUCING TEARING. IF THESE SYMPTOMS OCCUR, LEAVE THE FUMIGATION AREA IMMEDIATELY. EARLY SYMPTOMS OF CHLOROPICRIN OVEREXPOSURE ARE LACHRYMATION, RESPIRATORY DISTRESS AND VOMITING.

**AIR CONCENTRATION LEVEL**

The acceptable air concentration level for persons exposed to methyl bromide is 5ppm (20 mg/m<sup>3</sup>), except that for entry into residential commercial structures the acceptable air concentration level is 3 ppm. The air concentration level 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 shirts and long pants  
Shoes and Socks

Full-face shield or safety glasses with brow and temple shields  
(DO NOT wear goggles.)

When the acceptable air concentration level is above 5ppm 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 5ppm.

A respirator is required if the acceptable air concentration level of 5ppm 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).

**SAFETY REQUIREMENTS**

1. Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing or rubber boots when handling. Methyl bromide and chloropicrin are 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.

**RESTRICTED USE PEST  
DUE TO ACUTE TOXIC**

For retail sale to and use only by Certified Applicators or persons under direct supervision, and only for those uses covered by the Certified certification.

**MBC SOIL FUMIGANT**

Active Ingredients:

Methyl Bromide

Inert Ingredients:

Petroleum Hydrocarbons

Chloropicrin (added as warning agent)

*To Control Many Weeds, Grasses,  
Nematodes And Insect Pests  
In Plant Beds And Nurseries*

**BEST AVAILABLE COPY**

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

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

IN ALL CASES OF OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO HOSPITAL OR TO AN EMERGENCY TREATMENT FACILITY.

**STATEMENT OF PRACTICAL  
TREATMENT**

IF INHALED: Remove exposed person to fresh air. If not breathing, provide artificial respiration, preferably mouth-to-mouth. If breathing difficult, give oxygen. Call a physician.

IF ON SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If eye contact is made, immediately flush eyes with plenty of water. If immediately available, remove excess chemical from skin with material such as towel or dry soil, then proceed at once to shower where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

IF SWALLOWED: Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Early symptoms of overexposure are headache, nausea and vomiting, weakness and collapse. Death may develop in 2 to 48 hours after exposure, accompanied by pulmonary edema. These effects are the usual cause of death.

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 5ppm.

A respirator is required if the acceptable air concentration level of 5ppm 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).

#### SAFETY REQUIREMENTS

1. Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing or rubber boots when handling. Methyl bromide and chloropicrin are 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.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a 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 regulation.

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.

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

#### 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
- DANGER/PELIGRO
- Area under fumigation, DO NOT ENTER/NO ENTREE.
- 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 the fumigated area until 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.

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Si Usted no entiende la etiqueta, busque a alguien para 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 OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A HOSPITAL OR TO AN EMERGENCY TREATMENT FACILITY.**

### STATEMENT OF PRACTICAL FIRST AID TREATMENT

**IF INHALED:** Remove exposed person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing, give oxygen. Call a physician.

**IF ON SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If water is immediately available, remove excess chemical from skin with material such as towel or dry soil, then proceed at once to shower where water is available and thoroughly wash contaminated areas with plenty of water. Call a physician.

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**IF SWALLOWED:** Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Early symptoms of overexposure are headache, nausea and vomiting, weakness and collapse. Lethargy may develop in 2 to 48 hours after exposure, accompanied by irregularities; these effects are the usual cause of death. Severe overexposures can result in blurred vision, staggering gait, loss of balance, with probable recovery after a period of no exposure. Methyl bromide levels suggest the occurrence, but not the degree, of overexposure. Treatment is symptomatic.

See Side Panel For Additional Precautionary Statements



**BEST AVAILABLE COPY**

**HENDRIX and DAIL**

TELEPHONE (919) 758-4263 803 IND  
GREENVILLE, NORTH CAROLINA 27833

Sunbelt Services

NET CONTENTS: ..... pounds

**E.P.A est.**

8853-  
8853-  
8853-  
8853-  
8853-

E.P.A. REGISTRATION  
No. 8853-1

**METHYL BROMIDE - CHLOROPICRIN MIXTURE,**  
WEIGHT: 10.6 POUNDS PER GALLON

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NOV 18 1994

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

8853-1

# 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.

## MBC SOIL FUMIGANT

### Active Ingredients:

Methyl Bromide ..... 68.6%

### Inert Ingredients:

Petroleum Hydrocarbons ..... 30%

Chloropicrin (added as warning agent) ..... 1.4%

*To Control Many Weeds, Grasses,  
Nematodes And Insect Pests  
In Plant Beds And Nurseries*

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

Si Usted no entiende la etiqueta, busque a alguien para 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 OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY**

### STATEMENT OF PRACTICAL TREATMENT

**IF INHALED:** Remove exposed person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

**IF ON SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If water is not immediately available, remove excess chemical from skin with absorbent material such as towel or dry soil, then proceed at once to a location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**IF SWALLOWED:** Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**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

BEST AVAILABLE COPY

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PRECAUTIONARY STATEMENTS (CONTINUED):

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with Protection Standard, 40 CFR 170. This Standard contains the protection of agricultural workers on farms, forests, greenhouses, and handlers of agricultural pesticides requirements for training, decontamination, notification, an assistance. It also contains specific instructions and except to the statements in this labeling about personal protective restricted-entry intervals, and notification to workers. The re this box only apply to uses of this product that are covered t Protection Standard (WPS).

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

#### ENTRY RESTRICTIONS

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

**NOTIFICATION:** Notify workers of the application by warnin, and by posting fumigant warning signs, as described in the " Fumigated Areas" section of this labeling. Post the fumigant instead of the WPS sign for this application, but follow all WPS pertaining to location, legibility, size, and timing of posting an

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

**PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PER:** entry that is permitted by this labeling is listed in the "Hazard and Domestic Animals" section of this labeling.

#### STORAGE AND DISPOSAL

##### STORAGE AND DISPOSAL

Store in dry, cool, well-ventilated area under lock and key pesticide storage area. Do not contaminate water, food or feed. Store cylinders upright, secured to a rack or wall to prevent tipping. Should not be subjected to rough handling or mechanical shock, dropping, bumping, dragging, or sliding. Do not use rope sl tongs, or similar devices to unload cylinders. Transport cyli hand truck, fork truck or other device to which the cylinders c secured. Do not remove valve protection bonnet and safe immediately before use. Replace safety cap and valve prote when cylinder is not in use. When cylinder is empty, close safety cap onto valve outlet, and replace protection bonnet bef to shipper. Only the registrant is authorized to refill cylinders. cylinders for any other purpose.

##### RETURN OF CYLINDERS

Cylinders are the property of:

HENDRIX AND DAIL, INC.  
803 Industrial Blvd.  
Greenville, North Carolina 27634  
(919) 758-4263

and should be returned promptly by collect truck freight to from which shipment was made. When a cylinder is partially fu is no further requirement for the product, contact HENDRIX ANT for return instructions.

##### SHIPPING

This fumigant is classified in the U.S. Department of Tra Hazardous Materials Regulations as Methyl Bromide 2.3, UN 11 inhalation hazard, Hazard Zone C and no exemptions from sp packaging, marking, or labeling are allowed. Describe empty having last contained Methyl Bromide (inhalation hazard). Do r foods, feeds, or clothing.

##### DISPOSAL

Do not contaminate water, food, or feed by storage or disposa wastes are toxic. Improper disposal of excess pesticide, sp or rinseate is a violation of Federal Law. If these wastes cannot of by use according to label instructions, contact your State

Si Usted no entiende la etiqueta, busque a alguien para 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 OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY

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IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

IF SWALLOWED: Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

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 overexposures can result in blurred vision, staggering gait and mental imbalance, with probable recovery after a period of no exposure. Blood bromide levels suggest the occurrence, but not the degree, of exposure. Treatment is symptomatic.

See Side Panel For Additional Precautionary Statements.



## HENDRIX and DAIL, Inc.

TELEPHONE (919) 758-4263 803 INDUSTRIAL BLVD.  
GREENVILLE, NORTH CAROLINA 27834

NET CONTENTS: \_\_\_\_\_ Pounds

E.P.A est.

E.P.A. REGISTRATION  
No. 8853-1

8853- FL - 1 | |  
8853- GA - 1 | |  
8853- NC - 1 | |  
8853- KY - 2 | |  
8853- NC - 2 | |

METHYL BROMIDE - CHLOROPICRIN MIXTURE, LIQUID  
WEIGHT: 10.6 POUNDS PER GALLON

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

NOV 18 1994

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

8853-1

HD 7-94

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hand truck, fork truck or other device to which the cylinders are secured. Do not remove valve protection bonnet and safety cap immediately before use. Replace safety cap and valve protection when cylinder is not in use. When cylinder is empty, close valve safety cap onto valve outlet, and replace protection bonnet before shipping. Only the registrant is authorized to refill cylinders. Cylinders for any other purpose.

#### RETURN OF CYLINDERS

Cylinders are the property of:

HENDRIX AND DAIL, INC.  
803 Industrial Blvd.  
Greenville, North Carolina 27834  
(919) 758-4263

and should be returned promptly by collect truck freight to the location from which shipment was made. When a cylinder is partially filled, there is no further requirement for the product, contact HENDRIX AND DAIL for return instructions.

#### SHIPPING

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Methyl Bromide 2.3, UN 1950. Inhalation hazard, Hazard Zone C and no exemptions from special packaging, marking, or labeling are allowed. Describe empty cylinders having last contained Methyl Bromide (inhalation hazard). Do not use for foods, feeds, or clothing.

#### DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Wastes are toxic. Improper disposal of excess pesticide, spray material, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### WARRANTY DISCLAIMER

NOTICE: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of use.

INHERENT RISKS OF USE: It is impossible to eliminate all risks associated with the use of this product. Crop injury, lack of performance, or other consequences may result because of such factors as use of the product contrary to label and label booklet instructions (including conditions stated on the label and label booklet, such as unfavorable temperatures, etc.), abnormal conditions (such as excessive rainfall, drought, hurricanes), presence of other materials, the manner of application, and conditions are beyond the control of the company or the seller. All such risks are assumed by Buyer.

LIMITATION OF REMEDIES: The exclusive remedy for losses or damages resulting from this product (including claims based on contract, tort, strict liability, or other legal theories), shall be limited to, at the option of the company, one of the following: (1) Refund of purchase price paid by buyer for the product bought; or, (2) Replacement of amount of product used. The company shall not be liable for losses or damages resulting from handling or use of the product unless the company is promptly notified of such loss or damage in writing. In no case shall the company be liable for consequential damages or losses. The terms of the Warranty Disclaimer and this Limitation of Remedies cannot be varied by any written or verbal agreement. No employee or sales agent of the company is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

**BEST AVAILABLE COPY**

RECAUTIONARY STATEMENTS (CONTINUED):

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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 intervals, 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

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.

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.

STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

Store in dry, cool, well-ventilated area under lock and key. Post as a pesticide storage area. Do not contaminate water, food or feed by storage. 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 cylinders 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. 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.

RETURN OF CYLINDERS

Cylinders are the property of:

HENDRIX AND DAIL, INC.  
803 Industrial Blvd.  
Greenville, North Carolina 27834  
(919) 758-4263

and should be returned promptly by collect truck freight to the location from which shipment was made. When a cylinder is partially full and there is no further requirement for the product, contact HENDRIX AND DAIL, INC. for return instructions.

SHIPPING

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Methyl Bromide 2.3, UN 1062, Poison-Inhalation hazard, Hazard Zone C and no exemptions from specifications, packaging, marking, or labeling are allowed. Describe empty cylinders as having last contained Methyl Bromide (inhalation hazard). Do not ship with foods, feeds, or clothing.

DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. 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

APPLICATION DIRECTIONS

A preplant soil fumigant for the control of nematodes, insects, and weeds in certain plant beds, nurseries and certain field crop areas. Typical nematodes controlled are root knot, lesion, dagger, stunt, spiral, cyst formers, lance, sting pin, and certain other species. Such insects as wireworms and white grubs present in the soil at time of treatment are also controlled. Examples of weeds that are controlled include chickweed, pigweed, crabgrass, goosegrass, crowfoot grass, barnyard grass, purslane, wild morning glory and many other broad leaved weeds and grasses. MBC soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries; in annual and perennial flower, forest tree, tomato, tobacco, strawberry, and ornamental plant beds; as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 350 lbs. of MBC per acre on all soils to be used for strawberries and tomatoes grown as food crops.

WHEN TO TREAT: Treatments can be made in the spring, summer, or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops.

SOIL PREPARATION: To facilitate fumigant penetration, crop residues should be worked into the soil and allowed time to decompose before treating. Soil must be in good workable seed bed condition, warm (50-80 degrees F. at the five-inch level), with adequate moisture for good seed germination. Do not treat if the soil temperature is below 45 degrees F. at the five-inch level. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

APPLICATION: Apply at the rate of 35-50 gallons per acre with a special chisel-type applicator to inject MBC soil fumigant about 5 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film as soon as possible, preferably within 20 minutes of fumigant application. The film may be laid manually or mechanically with a tarp-layer.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60 degrees F., leave the treated soil covered with the plastic film for at least 48 hours before removal to ensure maximum diffusion. For soil temperatures below 60 degrees F., extend the exposure period to 3 or 4 days for optimum results.

WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 2 to 3 days after the cover is removed. For transplants, aerate for 7 to 10 days. If rains or low temperatures (below 60 degrees F.) occur during aeration, extend the aeration period. For tomato and strawberry transplants, aerate 2 weeks.

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 must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operations of 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 systems 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 cleared from the field before starting fumigation.

DURING FUMIGATION

This fumigant should not be applied when there is an atmospheric inversion. Since uncomfortable concentrations 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 shut off valve.

If trash is inadvertently pulled by the shanks to the ends of the field when

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hand truck, fork truck or other device to which the cylinders 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. 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.

#### RETURN OF CYLINDERS

Cylinders are the property of:

HENDRIX AND DAIL, INC.  
803 Industrial Blvd.  
Greenville, North Carolina 27834  
(919) 758-4263

and should be returned promptly by collect truck freight to the location from which shipment was made. When a cylinder is partially full and there is no further requirement for the product, contact HENDRIX AND DAIL, INC. for return instructions.

#### SHIPPING

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Methyl Bromide 2.3, UN 1062, Poison-Inhalation hazard, Hazard Zone C and no exemptions from specifications, packaging, marking, or labeling are allowed. Describe empty cylinders as having last contained Methyl Bromide (Inhalation hazard). Do not ship with foods, feeds, or clothing.

#### DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. 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.

#### WARRANTY DISCLAIMER

**NOTICE:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes 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.

**INHERENT RISKS OF USE:** It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label and label booklet instructions (including conditions noted on the label and label booklet, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, all of which are beyond the control of the company or the seller. All such risks shall be assumed by Buyer.

**LIMITATION OF REMEDIES:** The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at the company's election, one of the following: (1) Refund of purchase price paid by buyer or user for product bought; or, (2) Replacement of amount of product used. The company shall not be liable for losses or damages resulting from handling or use of this product unless the company is promptly notified of such loss or damage in writing. In no case shall the company be liable for consequential or incidental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statement or agreements. No employee or sales agent of the company or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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#### AFTER FUMIGATION

Keep pets, livestock, and other domestic animals out of the area during application, during the exposure period as spec applications in Directions for Use, and during removal of tar Two trained persons must be present during removal of the tarp

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## APPLICATION DIRECTIONS

A preplant soil fumigant for the control of nematodes, insects, and weeds in certain plant beds, nurseries and certain field crop areas. Typical nematodes controlled are root knot, lesion, dagger, stunt, spiral, cyst formers, lance, sting pin, and certain other species. Such insects as wireworms and white grubs present in the soil at time of treatment are also controlled. Examples of weeds that are controlled include chickweed, pigweed, crabgrass, goosegrass, crowfoot grass, barnyard grass, purslane, wild morning glory and many other broad leaved weeds and grasses. MBC soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries; in annual and perennial flower, forest tree, tomato, tobacco, strawberry, and ornamental plant beds; as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 350 lbs. of MBC per acre on all soils to be used for strawberries and tomatoes grown as food crops.

**WHEN TO TREAT:** Treatments can be made in the spring, summer, or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops.

**SOIL PREPARATION:** To facilitate fumigant penetration, crop residues should be worked into the soil and allowed time to decompose before treating. Soil must be in good workable seed bed condition, warm (50-80 degrees F. at the five-inch level), with adequate moisture for good seed germination. Do not treat if the soil temperature is below 45 degrees F. at the five-inch level. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

**APPLICATION:** Apply at the rate of 35-50 gallons per acre with a special chisel-type applicator to inject MBC soil fumigant about 5 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film as soon as possible, preferably within 20 minutes of fumigant application. The film may be laid manually or mechanically with a tarp-layer.

### EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60 degrees F., leave the treated soil covered with the plastic film for at least 48 hours before removal to ensure maximum diffusion. For soil temperatures below 60 degrees F., extend the exposure period to 3 or 4 days for optimum results.

### WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 2 to 3 days after the cover is removed. For transplants, aerate for 7 to 10 days. If rains or low temperatures (below 60 degrees F.) occur during aeration, extend the aeration period. For tomato and strawberry transplants, aerate 2 weeks.

### PRIOR TO FUMIGATION

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

### DURING FUMIGATION

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If trash is inadvertently pulled by the shanks to the ends of the field when

## USE PRECAUTIONS

**NOTE CAREFULLY:** Fumigation may temporarily raise the level of nitrogen and soluble salts in the soil. This is most likely to occur when rates of fertilizer and fumigant are applied to soils that are either cold, or high in organic matter. To avoid injury to plants, fertilize as indicated nutrient tests made after fumigation. To avoid ammonia injury or nitrate salt or both, to crops, avoid using fertilizers containing ammonium salts and fertilizers containing nitrate nitrogen until after the crop is well established the soil temperature is above 65 degrees F. Certain crops are tolerant to a therefore the above rule does not apply to them. Liming high acid soil: fumigation stimulates nitrification and reduces the possibility of ammonia

Do not contaminate fumigated areas by walking from unfumigated to fumigated soil. If the treated area is in a location where flooding or washing is expected after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around the beds are also satisfactory for preventing the possibility of contamination.

MBC soil fumigant is toxic to plants; therefore, do not apply to areas containing roots or desirable vegetation. The edge of the cover should be at least 12 inches beyond foliage drip line of living plants.

Some difficulty has been experienced through the use of MBC on soil to the following crops: conifers, salvia, snapdragons, carnation, multiflora Burford's Chinese holly, as well as certain other plants. Fumigate on a small scale until safety to all plants is determined under growing conditions.

Avoid reinfestation of treated soil. Do not use transplants, tools, or crop material infested with soil-borne plant parasitic pests and weed seeds. Clean application equipment carefully before and after use.

### Spill and Leak Procedures for Soil Fumigation

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

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

## DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUNDCOVER

### ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer system without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### CHEMICAL HAZARD

Do not use containers or application equipment made of magnesium, aluminum, or their alloys, as under certain conditions this fumigant may be severely corrosive to such metals. Do not permit water to be used to clean fumigant pressure system as corrosion will result. Diesel oil is satisfactory for this purpose. Generally, nonmetallic materials (plastics) may not be used in methyl bromide service. The exceptions are: cross-linked polyethylene used for hoses, and fluoropolymers Kynar® and Teflon® use as gaskets. Nylon and Polyvinyl chloride (PVC) should be avoided when direct contact with methyl bromide will occur.

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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.

### DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND COVER

#### ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. Do not discharge effluent containing product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an N permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the

#### CHEMICAL HAZARD

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**POISON GAS**

UN 1062

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METHYL BROMIDE AND NON-FLAMMABLE, NON-LIQUEFIED GAS MIXTURE, LIQUID  
INHALATION HAZARD

## APPLICATION DIRECTIONS

A preplant soil fumigant for the control of nematodes, insects, and weeds in certain plant beds, nurseries and certain field crop areas. Typical nematodes controlled are root knot, lesion 'daguer', stunt, spiral, cyst formers, lance, sting pin, and certain other species. Such insects as wireworms and white grubs present in the soil at time of treatment are also controlled. Examples of weeds that are controlled include chickweed, pigweed, crabgrass, goosegrass, crowfoot grass, barnyard grass, purslane, wild morning glory and many other broad leaved weeds and grasses. MBC soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries; in annual and perennial flower, forest tree, tomato, tobacco, strawberry, and ornamental plant beds; as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 350 lbs. of MBC per acre on all soils to be used for strawberries and tomatoes grown as food crops.

**WHEN TO TREAT:** Treatments can be made in the spring, summer, or fall whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops.

**SOIL PREPARATION:** To facilitate fumigant penetration, crop residues should be worked into the soil and allowed time to decompose before treating. Soil must be in good workable seed bed condition, warm (50-80 degrees F. at the five-inch level), with adequate moisture for good seed germination. Do not treat if the soil temperature is below 45 degrees F. at the five-inch level. Deep tillage, 12 to 18 inches, often improves results, especially in heavy or muck soils.

**APPLICATION:** Apply at the rate of 35-50 gallons per acre with a special chisel-type applicator to inject MBC soil fumigant about 5 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film as soon as possible, preferably within 20 minutes of fumigant application. The film may be laid manually or mechanically with a tarp-layer.

### EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60 degrees F., leave the treated soil covered with the plastic film for at least 48 hours before removal to ensure maximum diffusion. For soil temperatures below 60 degrees F., extend the exposure period to 3 or 4 days for optimum results.

### WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 2 to 3 days after the cover is removed. For transplants, aerate for 7 to 10 days. If rains or low temperatures (below 60 degrees F.) occur during aeration, extend the aeration period. For tomato and strawberry transplants, aerate 2 weeks.

### PRIOR TO FUMIGATION

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Check fumigant pressure systems for leaks before beginning operation.

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

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

### DURING FUMIGATION

This fumigant should not be applied when there is an atmospheric inversion. Since uncomfortable concentrations 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 shut off 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.

## USE PRECAUTIONS

**NOTE CAREFULLY:** Fumigation may temporarily raise the level of nitrogen and soluble salts in the soil. This is most likely to occur in soils that are either high in organic matter or high in organic matter. To avoid injury to plants, fertilize as indicated on the label after fumigation. To avoid ammonia injury or nutrient loss, avoid using fertilizers containing ammonium salts or both, to crops, avoid using fertilizers containing ammonium salts until after the crop is well established. Do not use fertilizers containing nitrate nitrogen until after the crop is well established. The soil temperature is above 65 degrees F. Certain crops are tolerant of high soil temperatures, therefore the above rule does not apply to them. Liming high acid soils after fumigation stimulates nitrification and reduces the possibility of ammonia loss.

Do not contaminate fumigated areas by walking from unfumigated soil. If the treated area is in a location where flooding or washing may occur after rains, plow a furrow or make a trench around it for prevention. Wooden frames around the beds are also satisfactory for prevention of contamination.

MBC soil fumigant is toxic to plants; therefore, do not apply to a soil where roots or desirable vegetation are present. The edge of the cover should be placed at least 6 inches beyond foliage drip line of living plants.

Some difficulty has been experienced through the use of MBC soil fumigant on the following crops: conifers, salvia, snapdragons, carnation, Burford's Chinese holly, as well as certain other plants. Fumigation scale until safety to all plants is determined under growing conditions.

Avoid reinfestation of treated soil. Do not use transplants, tools, or equipment infested with soil-borne plant parasitic pests and weed seeds. Clean thoroughly before and after use.

### Spill and Leak Procedures for Soil Fumigation

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

Contaminated soil, water, and other cleanup debris is a toxic waste. Report spill to the National Response Center (800-424-9300) if reportable quantity of 1000 lbs. is exceeded.

## DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND COVER

### ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. Do not discharge effluent or product into lakes, streams, ponds, estuaries, oceans, or other bodies of water unless this product is specifically identified and addressed in the label. Do not discharge effluent containing this product to surface water without previously notifying the sewage treatment plant. For more guidance contact your State Water Board or Regional Office.

### CHEMICAL HAZARD

Do not use containers or application equipment made of aluminum, or their alloys, as under certain conditions this fumigant is severely corrosive to such metals. Do not permit water to be in contact with fumigant pressure system as corrosion will result. Diesel oil is not recommended for this purpose. Generally, nonmetallic materials (plastics) are used in methyl bromide service. The exceptions are: polyethylene used for hoses, and fluoropolymers Kynar<sup>®</sup> and Teflon<sup>®</sup> as gaskets. Nylon and Polyvinyl chloride (PVC) should be avoided as direct contact with methyl bromide will occur.

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**USE PRECAUTIONS**

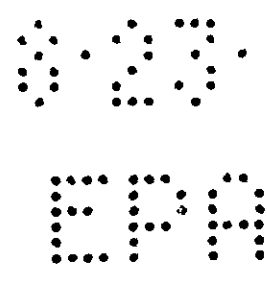
**NOTE CAREFULLY:** Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plants, fertilize as indicated by plant nutrient tests made after fumigation. To avoid ammonia injury or nitrate starvation, or both, to crops, avoid using fertilizers containing ammonium salts and use any fertilizers containing nitrate nitrogen until after the crop is well established and the soil temperature is above 65 degrees F. Certain crops are tolerant to ammonia therefore the above rule does not apply to them. Liming high acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

Do not contaminate fumigated areas by walking from unfumigated to fumigated soil. If the treated area is in a location where flooding or washing is possible after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around the beds are also satisfactory for preventing this type of contamination.

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Avoid reinfestation of treated soil. Do not use transplants, tools, or crop remains infested with soil-borne plant parasitic pests and weed seeds. Clean applicator carefully before and after use.



**Spill and Leak Procedures for Soil Fumigation**

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**DO NOT SPILL OR DISCHARGE CONTENTS  
OUTSIDE GROUND COVER**

**ENVIRONMENTAL HAZARD**

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**DO NOT SPILL OR DISCHARGE CONTENTS  
OUTSIDE GROUND COVER**

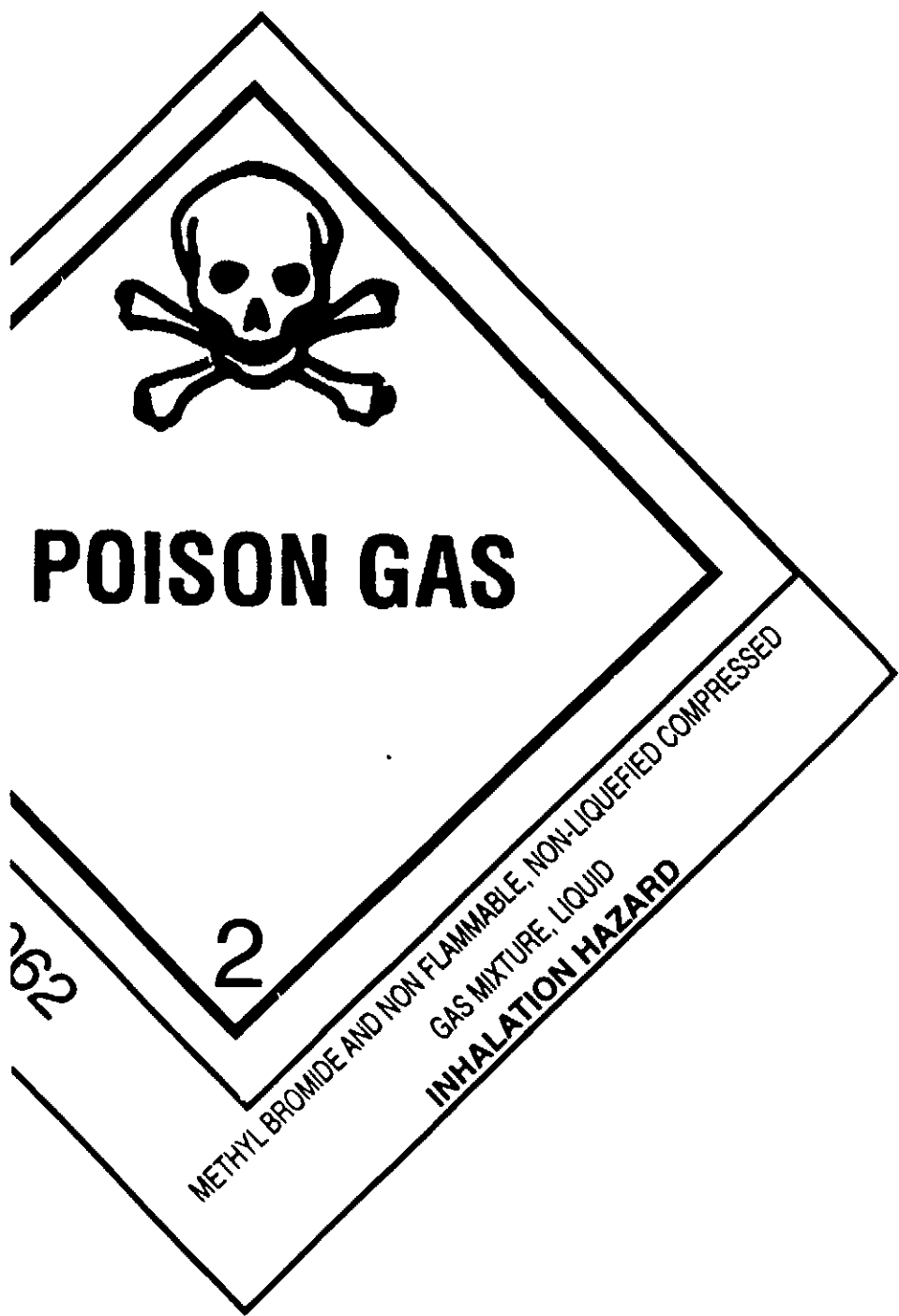
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