



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. 8853-2  
MBC CONCENTRATED 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

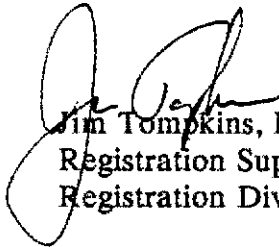
Submit the final printed labeling via the U.S. Postal Service to:

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

3/16

Hendrix and Dail, Inc.

Comments for: EPA REG. NO. 8853-2  
MBC CONCENTRATED 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.

THIS PRODUCT CONTAINS METHYL BROMIDE 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 vented. 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 registration.

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

## To Control Many Weeds, Grasses, Nematodes And Insect Pests In Plant Beds, Turf Areas, Fields, 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 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) 756-4263 803 INDUSTRIAL BLVD.  
GREENVILLE, NORTH CAROLINA 27634

NET CONTENTS: ..... Pounds

E.P.A est.

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

E.P.A. REGISTRATION  
No. 8853-2

**METHYL BROMIDE - CHLOROPICRIN MIXTURE, LIQUID**  
WEIGHT 14 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.  
8853-2

HD 7-94

5/6

**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.

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, lings, 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  
(510) 759-4253

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.

**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, and many other broad leaved weeds and grasses. MBC Concentrate soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries; Turf Renovation: Lawns, parks, golf greens, athletic fields and other ornamental and recreational turf areas in annual and perennial flower, forest tree, tobacco, strawberry, broccoli, cauliflower, eggplants, peppers, tomatoes, and ornamental plant beds for the production of transplants as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 245 lbs. of MBC Concentrate 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 (50-60 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 250 to 650 lbs. per acre with a special chisel-type applicator to inject MBC Concentrate 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 2 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. In 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 chloroform 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.

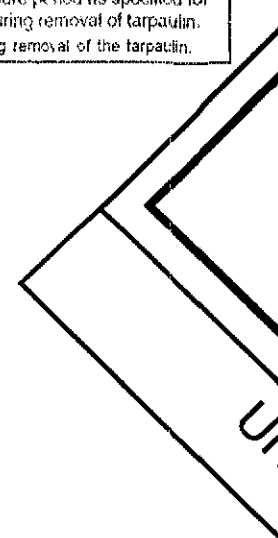
If trash is inadvertently pulled by the shanks to the ends of the field when fumigating, it must be covered by lifting the shanks, then covering the trash with polyethylene film before making the turn for the next pass.

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.



### 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 55 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.

MBC Concentrate 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 10 inches beyond foliage drip line of living plants.

Some difficulty has been experienced through the use of MBC Concentrate on soil planted to the following crops: conifers, salvia, snapdragons, carnation, multiflora roses, 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 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

In cases 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. 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.

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

#### ENVIRONMENTAL HAZARD

This pesticide is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES 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 EPA.

#### CHEMICAL HAZARD

Do not use containers or application equipment made of magnesium aluminum, or their alloys, or 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<sup>®</sup> and Teflon<sup>®</sup> used as gaskets. Nylon and Polyvinyl chloride (PVC) should be avoided where direct contact with methyl bromide will occur.



**POISON GAS**

2

METHYL BROMIDE  
INHALATION HAZARD

1062

Recy #1 8853-2

PM-32



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

NOV 18 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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

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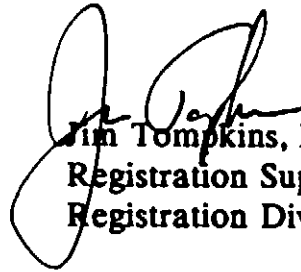
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U.S. Environmental Protection Agency  
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Washington, D.C. 20460-0001

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

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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



3913  
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Hendrix and Dail, Inc.

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**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.

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is 5ppm (20 mg/m<sup>3</sup>), except that for entry into residential commercial structures  
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**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

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Shoes and Socks

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

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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  
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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  
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breathing apparatus (SCBA) (MSHA/NIOSH approval  
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**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**

**RESTRICTED USE PRODUCT  
DUE TO ACUTE TOXICITY**

For retail sale to and use only by Certified Applicators under  
direct supervision, and only for those uses covered by this  
certification

**MBC CONCEN  
SOIL FUMIGANT**

Active Ingredients: Methyl Bromide .....  
Inert Ingredients: Chloropicrin (added as warning agent)  
Total .....

*To Control Many Weeds,  
Nematodes And Insect  
In Plant Beds, Turf And  
Fields, And Nurseries*

**BEST AVAILABLE COPY**

KEEP OUT OF REACH OF CHILDREN

**DANGER**



**P**

**POISON**

Si Usted no entiende la etiqueta, busque a alguien que  
Usted en detalle. (If you do not understand the label,  
plain it to you in detail.)

**IN ALL CASES OF OVEREXPOSURE,  
ATTENTION IMMEDIATELY. TAKE PERSONAL  
OR TO AN EMERGENCY TREATMENT CENTER**

**STATEMENT OF PREVENTIVE  
TREATMENT**

**IF INHALED:** Remove exposed person to fresh air  
artificial respiration, preferably mouth-to-mouth. If  
give oxygen. Call a physician.

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

**IF IN EYES:** Immediately flush eyes with plenty of  
minutes. Call a physician

**IF SWALLOWED:** Do not induce vomiting. Call a physician  
Center immediately. Never give anything by mouth  
person

**NOTE TO PHYSICIAN:** Early symptoms of overexposure  
headache, nausea and vomiting, weakness and dizziness  
may develop in 2 to 48 hours after exposure, and  
irregularities, these effects are the usual cause of  
overexposures can result in blurred vision, staggers  
imbalance, with probable recovery after a period of  
rest. These levels suggest the occurrence, but not the

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 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 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.

plain 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 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 soap and water are 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 include headache, nausea and vomiting, weakness and collapse. Symptoms 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, and imbalance, with probable recovery after a period of no exposure. Methyl bromide levels suggest the occurrence, but not the degree. Treatment is symptomatic.

See Side Panel For Additional Precautionary Statements



**HENDRIX and DALE**

TELEPHONE (919) 758-4263 803 IN  
 GREENVILLE, NORTH CAROLINA 27603

NET CONTENTS: ..... Pounds

**E.P.A est.**

E.P.A. REGISTRATION  
 No. 8853-2

8853  
 8853  
 8853  
 8853

**METHYL BROMIDE - CHLOROPICRIN MIXTURE**  
 WEIGHT: 14 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. 8853-2

**BEST AVAILABLE COPY**

# 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 CONCENTRATE SOIL FUMIGANT

Active Ingredients: Methyl Bromide ..... 98%  
Inert Ingredients: Chloropicrin (added as warning agent) ..... 2%  
Total ..... 100%

*To Control Many Weeds, Grasses,  
Nematodes And Insect Pests  
In Plant Beds, Turf Areas,  
Fields, 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 overexposures can result in blurred vision, staggering gait, and death.

### PRECAUTIONARY STATEMENTS (CONTINUED):

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its label Protection Standard, 40 CFR 170. This Standard the protection of agricultural workers on farms, greenhouses, and handlers of agricultural requirements for training, decontaminating, not assistance. It also contains specific instructions to the statements in this labeling about personal restricted-entry intervals, and notification to work this box only apply to uses of this product that a Protection Standard (WPS).

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

#### ENTRY RESTRICTIONS

**Outdoor Soil Fumigation:** Entry (including otherwise be permitted under the WPS) by an correctly trained and equipped handler who is permitted on this labeling - is PROHIBITED from 48 hours after application. In addition, if tarps or non-handler entry is prohibited while tarps are in place.

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

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

**PPE FOR ENTRY DURING THE ENTRY-RESTRICTION PERIOD:** Entry that is permitted by this labeling is listed in "Personal Protective Equipment (PPE) for Agricultural Workers and Domestic Animals" section of this labeling.

### STORAGE AND DISPOSAL

#### STORAGE AND DISPOSAL

Store in dry, cool, well-ventilated area under a pesticide storage area. Do not contaminate water. Store cylinders upright, secured to a rack or wall to should not be subjected to rough handling or dropping, bumping, dragging, or sliding. Do not use tongs, or similar devices to unload cylinders. Tie hand truck, fork truck or other device to which they are secured. Do not remove valve protection bonnet immediately before use. Replace safety cap and when cylinder is not in use. When cylinder is returned, replace safety cap onto valve outlet, and replace protector to shipper. Only the registrant is authorized to re-charge cylinders for any other purpose.

#### RETURN OF CYLINDERS

Cylinders are the property of:

HENDRIX AND DAIL, INC.  
803 Industrial Blvd.  
Greenville, North Carolina 27603  
(919) 758-4263

and should be returned promptly by collect truck from which shipment was made. When a cylinder is returned, there is no further requirement for the product, contact HE for return instructions.

#### SHIPPING

This fumigant is classified in the U.S. Department of Hazardous Materials Regulations as Methyl Bromide Inhalation hazard, Hazard Zone C and no exempt packaging, marking, or labeling are allowed. Description: Methyl Bromide (Inhalation hazard). Do not use for food, feeds, or clothing.

#### DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess product or rinseate is a violation of Federal Law. If these wastes are not disposed of according to label instructions, contact your local government for disposal instructions.

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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.)

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**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 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

secured. Do not remove valve protection bonnet and seal immediately before use. Replace safety cap and valve protection when cylinder is not in use. When cylinder is empty, close safety cap onto valve outlet, and replace protection bonnet to shipper. Only the registrant is authorized to refill cylinder 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 from which shipment was made. When a cylinder is partially full 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 1993, Inhalation hazard, Hazard Zone C and no exemptions from packaging, marking, or labeling are allowed. Describe empty cylinders as having last contained Methyl Bromide (inhalation hazard). Do not use on 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 mix, 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.



**HENDRIX and DAIL, Inc.**  
TELEPHONE (919) 758-4263 803 INDUSTRIAL BLVD.  
GREENVILLE, NORTH CAROLINA 27834

NET CONTENTS: ..... Pounds

**E.P.A est.**

8853- FL - 1 [ ]  
8853- GA - 1 [ ]  
8853- NC - 1 [ ]  
8853- KY - 2 [ ]  
8853- NC - 2 [ ]

E.P.A. REGISTRATION  
No. 8853-2

**METHYL BROMIDE - CHLOROPICRIN MIXTURE, LIQUID**  
WEIGHT 14 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.

8853-2

HD 7-94

**WARRANTY DISCLAIMER**

**NOTICE:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated or intended. This warranty or any other warranty of MERCHANTABILITY or PARTICULAR PURPOSE, express or implied, extends to the use of this product only if used in accordance with directions under normal conditions of use. Any use contrary to label instructions, or under abnormal conditions, or not reasonably foreseeable to seller, and buyer assumes the risk of injury or damage.

**INHERENT RISKS OF USE:** It is impossible to eliminate all risks inherent in the use of this product. Crop injury, lack of performance, or other consequences may result because of such factors as use of this product contrary to label and label booklet instructions (including conditions of use 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 other factors 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 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 and Limitation of Remedies in any manner.

**BEST AVAILABLE COPY**

PRECAUTIONARY 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 rinseate 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

APPLICATION DIRECTIONS

A preplant soil fumigant for the control of nematodes, insects, and certain plant beds, nurseries and certain field crop areas. Nematodes controlled are root knot, lesion, dagger, stunt, stem formers, lance, sting pin, and certain other species. Such as wireworms and white grubs present in the soil at time of tree also controlled. Examples of weeds that are controlled include pigweed, crabgrass, goosegrass, crowfoot grass, barnyard purslane, and many other broad leaved weeds and grass. Concentrate soil fumigant will give excellent performance in ornamental shrub and turf nurseries. Turf Renovation: Lawns, greens, athletic fields and other ornamental and recreational turf annual and perennial flower, forest tree, tobacco, strawberry cauliflower, eggplants, peppers, tomatoes, and ornamental plant the production of transplants as well as in other soil where and tomatoes are grown as food crops. Do not use more than 1 MBC Concentrate per acre on all soils to be used for straw tomatoes grown as food crops.

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

SOIL PREPARATION: To facilitate fumigant penetration, crop should be worked into the soil and allowed time to decompose before treating. Soil must be in good workable seed bed condition, wet (degrees F. at the five-inch level), with adequate moisture for 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 especially in heavy or muck soils.

APPLICATION: Apply at the rate 250 to 650 lbs. per acre with chisel-type applicator to inject MBC Concentrate soil fumigant 6 to 8 inches into the soil. Due to the volatility of this fumigant, treated areas should be covered with polyethylene film as soon as possible, preferably 20 minutes of fumigant application. The film may be laid mechanically with a tarp-layer.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60 degrees F., leave the treated area with the plastic film for at least 48 hours before removal to ensure diffusion. For soil temperatures below 60 degrees F., extend the period to 2 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. Transplants, aerate for 7 to 10 days. If rains or low temperatures (60 degrees F.) occur during aeration, extend the aeration period. Tomato and strawberry transplants, aerate 2 weeks.

PRIOR TO FUMIGATION

POST ALL TREATED AREAS WITH WARNING SIGN

Comply with all local regulations and ordinances. Obtain an permit from Agricultural Regulatory Agencies as required.

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

Drivers of application equipment must advise other workers of all procedures. In addition, drivers must instruct their help in mechanical operations of the tractor and driver while fumigating.

Handle this fumigant in the open, with the operator upwind of the container where there is good ventilation.

Check fumigant pressure systems for leaks before beginning.

Two trained persons must be present during introduction of the fumigant. When fumigating soil from a tractor, 5 gallons of water must be available on the tractor and placed where it is readily accessible. In addition, at least 5 gallons additional water must be available from the service truck. This water must be potable and in 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 over areas, immediately cover treated area with plastic tarpaulin for 48 hours.

Do not lift injection shanks to turn at the end of a pass until fully drained from system following closure of shut off valve.

BEST AVAILABLE COPY

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, H- and 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 REMEDY:** 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.

9713  
60 degrees F.) occur during aeration, extend the aeration 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 a permit from Agricultural Regulatory Agencies as required.

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

Drivers of application equipment must advise other workers of fumigation and procedures. In addition, drivers must instruct their helpers on the mechanical operations of the tractor and driver while fumigating.

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

Check fumigant pressure systems for leaks before beginning fumigation.

Two trained persons must be present during introduction of fumigant.

When fumigating soil from a tractor, 5 gallons of water must be placed on the tractor and placed where it is readily accessible. In addition, available on the tractor, at least 5 gallons additional water must be carried from the service truck. This water must be potable and labeled 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 from treated 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 they are drained from system following closure of shut off valve.

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

When changing the cylinders, be certain they are turned off and the 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 stated in applications in Directions for Use, and during removal of fumigant.

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

**BEST AVAILABLE COPY**

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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, and many other broad leaved weeds and grasses. MBC Concentrate soil fumigant will give excellent performance in forest tree, ornamental shrub and turf nurseries. Turf Renovation: Lawns, parks, golf greens, athletic fields and other ornamental and recreational turf areas in annual and perennial flower, forest tree, tobacco, strawberry, broccoli, cauliflower, eggplants, peppers, tomatoes, and ornamental plant beds for the production of transplants as well as in other soil where strawberries and tomatoes are grown as food crops. Do not use more than 245 lbs. of MBC Concentrate 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 250 to 650 lbs. per acre with a special chisel-type applicator to inject MBC Concentrate 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 2 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.

### USE PRECAUTIONS

**NOTE CAREFULLY:** Fumigation may temporarily raise the level of nitrogen and soluble salts in the soil. This is most likely to occur if 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 by nutrient tests made after fumigation. To avoid ammonia injury or nitrate or both, to crops, avoid using fertilizers containing ammonium salts or fertilizers containing nitrate nitrogen until after the crop is well established if the soil temperature is above 65 degrees F. Certain crops are tolerant therefore the above rule does not apply to them. Liming high acid soil after fumigation stimulates nitrification and reduces the possibility of ammonia. Do not contaminate fumigated areas by walking from unfumigated to soil. If the treated area is in a location where flooding or washing after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around the beds are also satisfactory for prevention of contamination.

MBC Concentrate 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 18 inches beyond foliage drip line of living plants.

Some difficulty has been experienced through the use of MBC Concentrate on soil planted to the following crops: conifers, salvia, snapdragons, multiflora roses, Burford's Chinese holly, as well as certain other plants 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 equipment infested with soil-borne plant parasitic pests and weed seeds. Clear 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 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 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 (800-424-8800) 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 containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an approved permit. Do not discharge effluent containing this product to sewer 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 is severely corrosive to such metals. Do not permit water to be used in fumigant pressure system as corrosion will result. Diesel oil is satisfactory for this purpose. Generally, nonmetallic materials (plastics) may be used in methyl bromide service. The exceptions are: cross polyethylene used for hoses, and fluoropolymers Kynar and Teflon as gaskets. Nylon and Polyvinyl chloride (PVC) should be avoided as direct contact with methyl bromide will occur.

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**PRIOR TO FUMIGATION**

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

**DURING FUMIGATION**

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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, 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.

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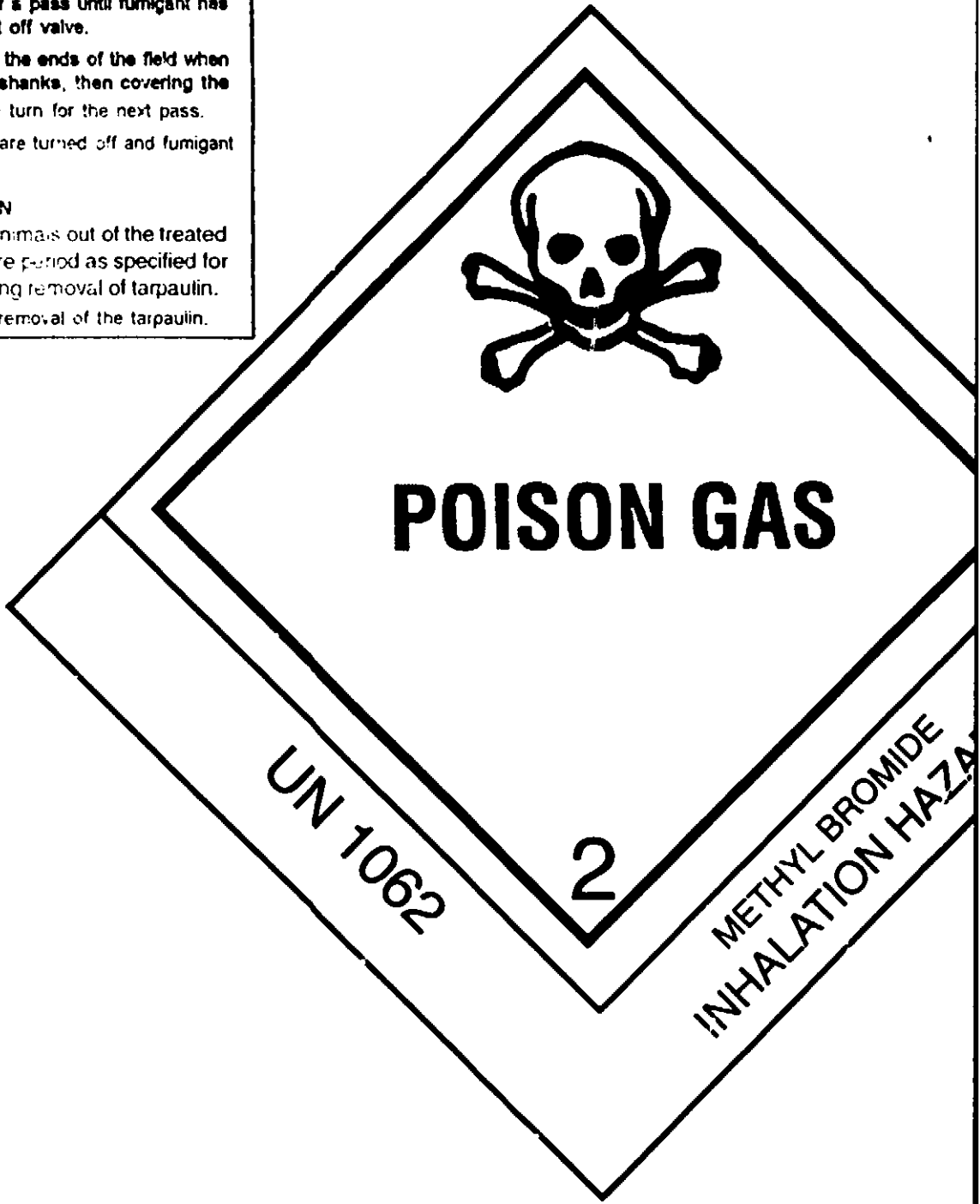
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**USE PRECAUTIONS**

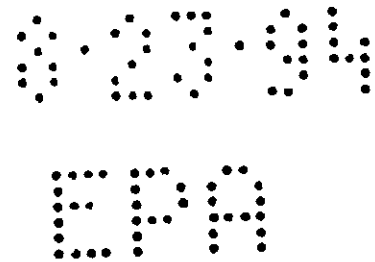
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Do not contaminate fumigated areas by walking from unfumigated to fumigated soil. If the treated area is in a location where flooding or washing is possible after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around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

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Some difficulty has been experienced through the use of MBC Concentrate on soil planted to the following crops: conifers, salvia, snapdragons, carnation, multiflora roses, 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 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**

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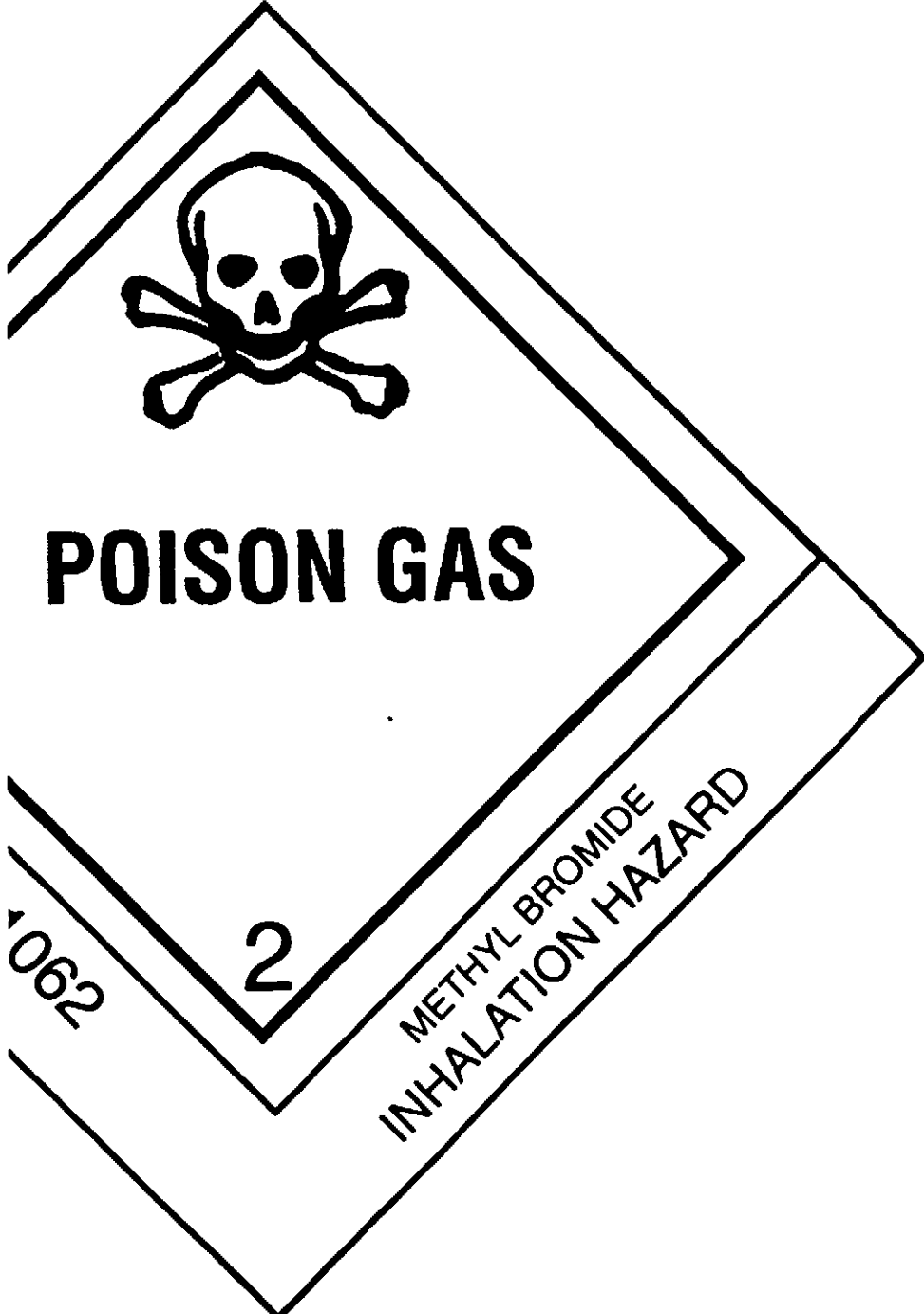
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