


PM-32

Reg # 8622-14

12/15

Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
	Application for Pesticide:		203884

Section I

1. Company/Product Number 8622-14	2. EPA Product Manager <i>Ruth Douglas</i>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) 70-30 Soil Fumigant	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Ameribrom, Inc. 52 Vanderbilt Avenue New York, NY 10017 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

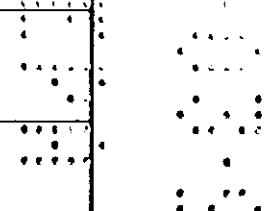
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION of amendment of the label for this product according to EPA's PR notice 93-10. The amendment is under the heading "Environmental Hazards" on the label.

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (_____)					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Rhona McGee		Title Regulatory Affairs Asst.		Telephone No. (Include Area Code) (212) 692-6635	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamp)
2. Signature <i>Rhona McGee</i>		3. Title Regulatory Affairs Asst.			
4. Typed Name Rhona McGee		5. Date 9/26/95			

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

DANGER
HIGH ACUTE TOXICITY

Extremely hazardous liquid and vapor under pressure. Do not breathe vapor. Inhalation may be fatal or cause serious acute illness or delayed lung or nervous system injury. Liquid or vapor can cause serious skin or eye injury which may have a delayed onset. Do not get liquid on skin, in eyes or on clothing.

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

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

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

PHYSICAL HAZARDS: Do not use or store near heat, open flames, or sparking electrical equipment.

CHEMICAL HAZARDS: Do not use application devices incorporating natural rubber or aluminum or magnesium or their alloys.

AIR CONCENTRATION LEVEL

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Loose fitting or well ventilated long-sleeved shirt and long pants.
Shoes and socks.

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

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

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

See Product Manual No. AM-210 for more information.

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

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WORK SAFETY REQUIREMENTS

1. Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or rubber boots when handling. Methyl bromide and chloropicrin are heavier than air and can be trapped inside clothing and cause skin injury.
2. 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.
3. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
4. 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.

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FAX: (212) 2

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Warning: Chloropicrin may be irritating to the eyes. High levels can cause painful irritation to the eyes. If irritation occurs, leave the fumigation area immediately.

is toxic to wildlife. Do not discharge into rivers, streams, ponds, estuaries, oceans, or other aquatic environments. If you are a user of a National Pollutant Discharge Permitting Authority has been notified of this product to sewer treatment plant authority. For more information, contact your Regional Office of the EPA.

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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.

For control of weeds, nematodes and insect pests in seed and plant beds and strawberries and tomatoes.

ACTIVE INGREDIENT:	By Wt.
METHYL BROMIDE	68.4%
INERT INGREDIENTS*	31.6%
*Contains chloroform (warning odorant tear gas)	
TOTAL	100%

ACUTELY TOXIC CHEMICAL
12.1 LBS. ACTIVE INGREDIENT/GAL. (LIQUID IN CYLINDER)



POISON

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STATEMENT OF PRACTICAL TREATMENT

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

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

If on skin — Immediately remove contaminated clothing, shoes, jewelry, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

If in eyes — Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

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FOR USE

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KEEP OUT OF REACH OF CHILDREN



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See side panels for additional precautionary statements.

EPA REG. NO. 8622-14

- ☐ EPA EST. NO. 67545-AZ-01
- ☐ EPA EST. NO. 15298-IS-01
- ☐ EPA EST. NO. 29516-FL-04
- ☐ EPA EST. NO. 29516-NC-01

AmeriBrom, Inc.

52 VANDERBILT AVENUE
NEW YORK, NY 10017
TELEPHONE: (212) 286-4000
FAX: (212) 286-4475

IN CASE OF EMERGENCY CONTACT:

Chemtrec (800) 424-9300

or

AmeriBrom West
5419 Santa Clara Ave.
Camarillo, CA 93010
Call Collect: (805) 988-9719 (CA)
(212) 286-4000 (NY)

AB45/Rev 1 Net contents: _____ LBS./ _____ KGS. 9/95

PLACARDING OF FUMIGATED AREAS

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

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

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Certified Applicators or persons under their direct supervision are covered by the Certified Applicator's certification.

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E	68.4%
* in warning odorant tear gas)	31.6%
TOTAL	100%

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GRADIENT/GAL. (LIQUID IN CYLINDER)

OF REACH OF CHILDREN



PELIGRO

POISON

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OF PRACTICAL TREATMENT

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emergency treatment facility.

person to fresh air. Keep warm. Make sure
breathe freely. If breathing has stopped apply
irritation. Do not give anything by mouth to an
person.

remove contaminated clothing, shoes, jewelry,
or item on skin. Wash contaminated skin area
with soap and water.

Do not allow entry by unprotected persons into the fumigated area until the signs
are removed. Such signs must only be removed when the air concentration level of
methyl bromide is measured to be less than 5 ppm (3 ppm in residential and com-
mercial structures). Signs must remain legible during the entire posting period.

To determine whether aeration is complete, each fumigated site or vehicle must be
monitored and shown to contain less than 5 ppm methyl bromide in the air space
around and, when feasible, in the mass of the commodity. If 5 ppm or greater methyl
bromide is detected, the placard must be transferred with the commodity to the new
site. Workers who transfer or handle incompletely aerated commodity must be in-
formed and appropriate measure must be taken (i.e., ventilation or respiratory pro-
tection) to prevent exposures from exceeding 5 ppm of methyl bromide.

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 Pro-
tection Standard (WPS).

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

ENTRY RESTRICTIONS

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

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

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

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

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

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

PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PERIOD: PPE for entry
that is permitted by this labeling is listed in the "Hazards to Humans and Domestic
Animals" section of this labeling.

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☐ EPA EST. NO. 67545-AZ-01

☐ EPA EST. NO. 15298-IS-01

☐ EPA EST. NO. 29516-FL-04

☐ EPA EST. NO. 29516-NC-01

↓ CASE OF EMERGENCY CONTACT:

hemtrec (800) 424-9300

or

meriBrom West

419 Santa Clara Ave.

amarillo, CA 93010

all Collect: (805) 988-9719 (CA)

(212) 286-4000 (NY)

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

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

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

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

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

PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PERIOD: PPE for entry that is permitted by this labeling is listed in the "Hazards to Humans and Domestic Animals" section of this labeling.

PESTICIDE STORAGE, HANDLING AND DISPOSAL

PESTICIDE STORAGE AND HANDLING: 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 cylinder can be firmly secured.

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, either contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance, or follow registrant's instructions for return of partially empty cylinders.

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

RETURN OF CYLINDERS:

- (1) Cylinders are the property of the manufacturer or distributor where purchased and should be returned promptly by collect freight.
- (2) Do not ship cylinders without safety caps or valve protection bonnets.
- (3) When a cylinder is partially full and there is no further requirement for the product, contact the manufacturer or distributor for return instructions.
- (4) Containers should never be refilled by the consumer or used for any other product or purpose.

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SPECIFIC DIRECTIONS FOR USE

This fumigant is a highly hazardous material and should be used only by individuals trained in its proper use. Before using, read and follow all label precautions and directions, including those in the Manual for the Safe Handling and Application of Methyl Bromide Products, No. AM-210.

All persons working with this fumigant must be knowledgeable about the hazards, and trained in the use of required respirator equipment and detector devices, emergency procedures, and proper use of the fumigant (see the Product Manual No. AM-210).

PRECAUTIONS FOR USAGE IN ENCLOSED SPACES

When used for fumigation of soil in enclosed spaces (e.g., greenhouses and tarpaulin covered areas) two persons trained in the use of the product must be present during introduction of the fumigant, initiation of aeration, and after aeration when testing for reentry. Two persons do not need to be present if monitoring is conducted remotely (outside the area being fumigated).

Do not fumigate with this product when soil temperature is below approx. 50°F. at 6-8 in. Specific directions for use in greenhouses are given in the Product Manual No. AM-210.

Aeration and Reentry:

1. After fumigation, fumigated areas must be aerated until the air concentration level of methyl bromide is measured to be less than 5 ppm (3 ppm for residential and commercial structures).
2. Until the acceptable air concentration level is reached, do not allow any person to enter into the fumigated area unless he/she is wearing the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. In greenhouses, additional Worker Protection Standard restrictions apply.

SPILL AND LEAK PROCEDURES

Evacuate everyone from the immediate area of the spill or leak. For entry into affected area to correct problem, wear the personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling. Move leaking or damaged containers outdoors or to an isolated location.

Observe strict safety precautions. Work upwind, if possible. Allow spilled fumigant to evaporate. Only correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the air concentration level of methyl bromide is measured to be less than 5 ppm.

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

PRECAUTIONS FOR USAGE PRIOR TO, DURING, AND AFTER SOIL FUMIGATION

Specific instructions for application appears in the Manual for the Safe Handling and Application of Methyl Bromide Products No. AM-210.

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 operation of the tractor and how to safely work with the tractor and driver while fumigating.

Handle this fumigant in the open, with the operator "upwind" 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

FUMIGATION DIRECTIONS

Use 70-30 soil fumigant for preplanting application. Insects, and weeds in nurseries and in certain seed areas. Typical pests controlled are: nematodes, stunt, spiral cyst formers, lance sting, pin and cer as wireworms and white grubs in the soil at time of chickweed, pigweed, nutgrass, crabgrass, goose yardgrass, purslane, morning glory and many other b will give excellent performance in forest tree, ornar in annual and perennial flower, tomato, tobacco, vegetable seed beds for production of transplants on and tomatoes are to be grown for food.

RECOMMENDED APPLICATIONS

USE

Seed and Plant beds
Tomato, tobacco, forest trees, vegetable
(For the production of transplants only)
Soil treatment for Strawberries and Tomatoes
Soils for non-food use
(Turf, floral crops, ornamental nurseries, etc.)

When to Treat: Treatments can be made in the sp soil conditions are suitable. In northern states, late s are best for land to be planted to early spring crop.

Soil Preparation: To facilitate fumigant penetration, into the soil and time allowed to decompose before workable seed bed condition, warm, preferably 50 to with moisture adequate for good seed germination. Do is below 45°F. at the five inch level. Pretreatment tillag often improves results, especially in heavy or muck

Method of Application: Apply by means of chisels a depth of 4-6". Use higher rates in heavy soils, soil: when soil temperatures are low. Cover with polyethyle as soon as possible after chisel application.

EXPOSURE PERIOD AFTER AP

For soil temperature above 60°F. leave the treated soi to insure maximum fumigant diffusion. For soil temper exposure period to 3 to 4 days for best results. In all insta from fall applications where the covers are left on all

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to evaporate. Only correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the air concentration level of methyl bromide is measured to be less than 5 ppm.

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

PRECAUTIONS FOR USAGE PRIOR TO, DURING, AND AFTER SOIL FUMIGATION

Specific instructions for application appears in the Manual for the Safe Handling and Application of Methyl Bromide Products No. AM-210.

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 operation of the tractor and how to safely work with the tractor and driver while fumigating.

Handle this fumigant in the open, with the operator "upwind" 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 shutoff valve.

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

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

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

Two trained persons must be present during removal of tarpaulins.

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

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.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperature above 60°F. leave the treated soil covered to insure maximum fumigant diffusion. For soil temperatures below 60°F. leave the treated soil covered for an exposure period of 3 to 4 days for best results. In all instances from fall applications where the covers are left on all winter.

9815

LIQUEFIED
N.O.S.
(CONTAINS)



Warranty: Seller warrants that the product conforms to the specifications and is reasonably fit for the purpose stated on the label. The warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, or implied, extends to the use of this product under normal conditions of use, or under conditions not reasonably foreseeable by the buyer. Buyer assumes the risk of any such use. Buyer's use or handling of this material not in strict accordance with the label instructions.

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FUMIGATION DIRECTIONS

Use 70-30 soil fumigant for preplanting application in soil for control of nematodes, insects, and weeds in nurseries and in certain seed bed, plant bed and field crop areas. Typical pests controlled are: nematodes such as root-knot, lesion, dagger, stunt, spiral cyst formers, lance sting, pin and certain other species; insects such as wireworms and white grubs in the soil at time of treatment; and weeds such as chickweed, pigweed, nutgrass, crabgrass, goosegrass, crowfoot-grass, barnyardgrass, purslane, morning glory and many other broadleaf and grass weeds. 70-30 will give excellent performance in forest tree, ornamental shrub and turf nurseries; in annual and perennial flower, tomato, tobacco, and strawberry plant beds; in vegetable seed beds for production of transplants only; and in soil where strawberries and tomatoes are to be grown for food.

RECOMMENDED APPLICATION RATES

USE	Lbs./Acre
Seed and Plant beds	500-1000
Tomato, tobacco, forest trees, vegetable (For the production of transplants only)	
Soil treatment for Strawberries and Tomatoes	350
Soils for non-food use	250-500
(Turf, floral crops, ornamental nurseries, etc.)	

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, plant refuse should be worked into the soil and time allowed to decompose before treating. Soil must be in good workable seed bed condition, warm, preferably 50 to 80°F. at a depth of five inches, with moisture adequate for good seed germination. Do not treat if the soil temperature is below 45°F. at the five inch level. Pretreatment tillage to a depth of 12 to 18 inches often improves results, especially in heavy or muck soils.

Method of Application: Apply by means of chisels spaced 12 inches apart set at a depth of 4-6". Use higher rates in heavy soils, soils with high organic content or when soil temperatures are low. Cover with polyethylene or other gas-tight sheeting as soon as possible after chisel application.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperature above 60°F. leave the treated soil covered for at least 48 hours to insure maximum fumigant diffusion. For soil temperatures below 60°F. extend the exposure period to 3 to 4 days for best results. In all instances best results are obtained from fall applications where the covers are left on all winter.

WHEN TO PLANT AFTER THE EXPOSURE

Crops can usually be seeded 2 or 3 days after the cover is removed. NOTE: To aerate the soil 7 to 10 days prior to planting. NOTE: To seedling, bromide tolerances allow an aeration period of 7 to 10 days prior to planting. NOTE: To transplant of strawberries and tomatoes for crop production. If rains or soil temperatures below 60°F. occur during the aeration period or planting until the soil is returned to a tillable condition temperature for good plant growth.

PRECAUTIONS: Under some conditions, growth difficult for ornamentals, holly, snapdragons, multiflora roses, and clematis. If in question, use on a small spot to determine safety.

To prevent injury to desirable living plants, keep edge of fumigant from drip line. Do not apply to areas containing living plants.

Fumigated areas may be protected against recontamination by trenches to prevent flooding or washing. Recontamination should be kept to a minimum.

NOTE:

Following soil fumigation, undesirable concentrations of fumigant may occur by areas. If this occurs, immediately cover treated area with tarpaulin on overnight and remove during the daytime. A warning sign indicates that the undesirable concentration is continuing and are most likely to occur in the evening or at night when there is no wind movement. Do not make application of 70-30 v if there is an inversion condition in the atmosphere.

NOTE CAREFULLY: Following fumigation, the level of nitrogen may be raised. This is most likely to occur when fertilizers are applied to soils that are either acid, or alkaline. Fertilizers containing ammonium salts should not be applied until after the crop is well established. Fertilizers containing nitrates until after the crop is well established. After fumigation, fertilize as indicated by soil test plant roots. It is best that highly acid soils be limed before fertilization and reduce the possibility of ammonia toxicity.

WARNING: Contains methyl bromide, a substance which is harmful to the environment by destroying ozone in the upper atmosphere.

**LIQUEFIED GAS, FLAMMABLE, TOXIC,
N.O.S. INHALATION HAZARD ZONE C
(CONTAINS METHYL BROMIDE & KEROSENE)
UN 1953**



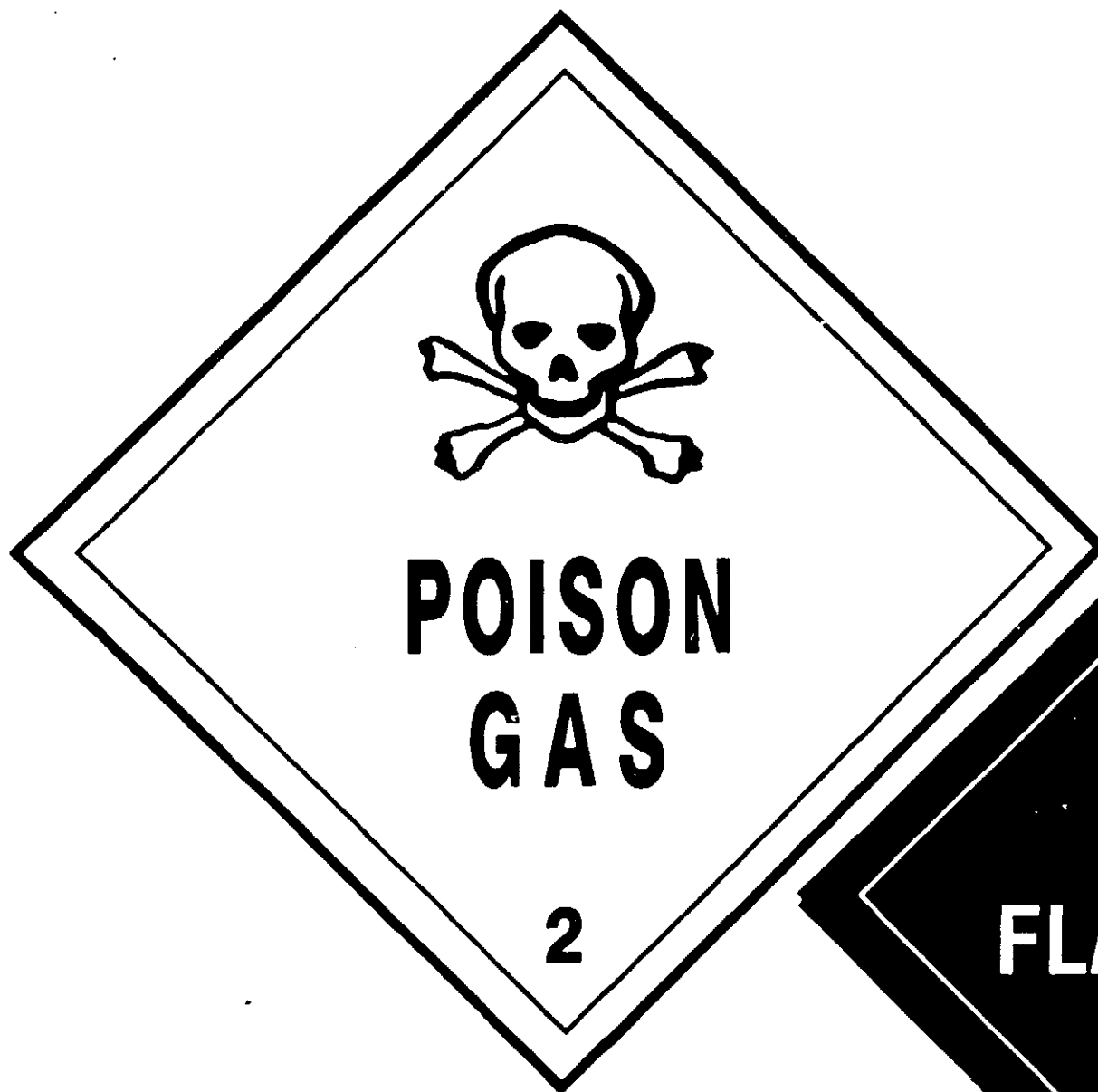
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EXPOSURE PERIOD AFTER APPLICATION

For soil temperature above 60°F. leave the treated soil covered for at least 48 hours to insure maximum fumigant diffusion. For soil temperatures below 60°F. extend the exposure period to 3 to 4 days for best results. In all instances best results are obtained from fall applications where the covers are left on all winter.

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**LIQUEFIED GAS, FLAMMABLE, TOXIC,
N.O.S. INHALATION HAZARD ZONE C
(CONTAINS METHYL BROMIDE & KEROSENE)
UN 1953**



Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor 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. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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ION DIRECTIONS

ng application in soil for control of nematodes, in certain seed bed, plant bed and field crop nematodes such as root-knot, lesion, dagger, pin and certain other species; insects such as soil at time of treatment; and weeds such as crabgrass, goosegrass, crowfoot-grass, barnyard grass, and many other broadleaf and grass weeds. 70-30 best tree, ornamental shrub and turf nurseries; potato, tobacco, and strawberry plant beds, in transplants only; and in soil where strawberries are produced.

APPLICATION RATES

	Lbs./Acre
Vegetable (transplants only)	500-1000
Tomatoes	350
Nurseries, etc.)	250-500

made in the spring, summer, or fall whenever crop is in the ground. For late summer or early fall treatments use on early spring crops.

plant penetration, plant refuse should be worked into the soil before treating. Soil must be in good condition, preferably 50 to 80°F. at a depth of five inches, for germination. Do not treat if the soil temperature is below 50°F. or if the soil is too dry. After treatment tillage to a depth of 12 to 18 inches is recommended on heavy or muck soils.

Means of chisels spaced 12 inches apart set at 12 inches deep in heavy soils, soils with high organic content or soils with polyethylene or other gas-tight sheeting should be used for application.

SOIL AFTER APPLICATION

After the treated soil covered for at least 48 hours. For soil temperatures below 60°F. extend the covering for 72 hours. In all instances best results are obtained when the covers are left on all winter.

WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 2 or 3 days after the cover is removed. For transplants aerate the soil 7 to 10 days prior to planting. NOTE: To avoid the possibility of exceeding bromide tolerances allow an aeration period of at least 2 weeks when transplants of strawberries and tomatoes for crop production are set in fumigated fields. If rains or soil temperatures below 60°F. occur during aeration, delay seeding or planting until the soil is returned to a tillable condition with suitable moisture and temperature for good plant growth.

PRECAUTIONS: Under some conditions, growth difficulty has been experienced on carnations, holly, snapdragons, multiflora roses, and certain other plants. If there is a question, use on a small spot to determine safety.

To prevent injury to desirable living plants, keep edge of cover at least 18 inches from drip line. Do not apply to areas containing living roots of these plants.

Fumigated areas may be protected against recontamination by wooden frames or trenches to prevent flooding or washing. Recontamination by footwear or equipment should be kept to a minimum.

NOTE:

Following soil fumigation, undesirable concentrations of chloropicrin may drift to nearby areas. If this occurs, immediately cover treated area with a plastic tarpaulin. Leave tarpaulin on overnight and remove during the daytime. Recover the area if eye irritation indicates that the undesirable concentration is continuing. These concentrations are most likely to occur in the evening or at night when the air is most likely to be static in movement. Do not make application of 70-30 when there is little or no air movement or there is an inversion condition in the atmosphere.

NOTE CAREFULLY: Following fumigation, the level of soluble salts and ammonia nitrogen may be raised. This is most likely to occur when heavy rates of fumigant and fertilizers are applied to soils that are either acid, wet, cold, or high in organic matter. Fertilizers containing ammonium salts should not be used. Apply only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 65°F. in order to avoid ammonia injury, nitrate starvation, or both. After fumigation, fertilize as indicated by soil test to protect against injury to plant roots. It is best that highly acid soils be limed before application to stimulate nitrification and reduce the possibility of ammonia toxicity.

WARNING: Contains methyl bromide, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

**LIQUEFIED GAS, FLAMMABLE, TOXIC,
N.O.S. INHALATION HAZARD ZONE C
(CONTAINS METHYL BROMIDE & KEROSENE)
UN 1953**



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3 AFTER APPLICATION

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For soil temperatures below 60°F. extend the
sults. In all instances best results are obtained
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**LIQUEFIED GAS, FLAMMABLE, TOXIC,
N.O.S. INHALATION HAZARD ZONE C
CONTAINS METHYL BROMIDE & KEROSENE)
UN 1953**



**OISON
GAS**

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FLAMMABLE GAS

he product conforms to its chemical description and
stated on the label when used in accordance with
ns of use, but neither this warranty nor other war-
FITNESS FOR A PARTICULAR PURPOSE, express
this product contrary to label instructions or under
onditions not reasonably foreseeable to seller, and
such use. Buyer assumes all risks of use, storage
n strict accordance with directions given herewith.

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PRECAUTIONARY STATEMENTS
HARZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

HIGH ACUTE TOXICITY

Extremely hazardous liquid and vapor under pressure. Do not breathe vapor. Inhalation may be fatal or cause serious acute illness or delayed lung or nervous system injury. Liquid or vapor can cause serious skin or eye injury which may have a delayed onset. Do not get liquid on skin, in eyes or on clothing.

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

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

ENVIRONMENTAL HAZARDS: 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.

PHYSICAL HAZARDS: Do not use or store near heat, open flames, or sparking electrical equipment.

CHEMICAL HAZARDS: Do not use application devices incorporating natural rubber or aluminum or magnesium or their alloys.

AIR CONCENTRATION LEVEL

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Loose fitting or well ventilated long-sleeved shirt and long pants.
Shoes and socks.

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

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

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

See Product Manual No. AM-210 for more information.

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

WORK 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. 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.

**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 certificate

**70-30
SOIL FUMIGANT**

For control of weeds, nematodes and insect pests in seed and plant beds and strawberries and tomatoes.

ACTIVE INGREDIENT:	By Wt.
METHYL BROMIDE	68.4%
INERT INGREDIENTS*	31.6%
*Contains chloropicrin (warning odorant tear gas)	
TOTAL	100%

ACUTELY TOXIC CHEMICAL

12.1 LBS. ACTIVE INGREDIENT/GAL. (LIQUID IN CYLINDER)

BEST AVAILABLE COPY
KEEP OUT OF REACH OF CHILDREN

DANGER  **PELIGRO**
POISON

PELIGRO

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

STATEMENT OF PRACTICAL TREATMENT

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

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

If on skin — Immediately remove contaminated clothing, shoes, jewelry, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

If in eyes — Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

See side panels for additional precautionary statements.

EPA REG. NO. 8622-14

EPA EST. NO. 67545-AZ-01
EPA EST. NO. 15298-IS-01
EPA EST. NO. 29516-FL-04
EPA EST. NO. 29516-NC-01

Distributed By:

AmeriBrom Inc.

IN CASE OF EMERGENCY CONTACT:

Chemtree (800) 424-9300

ing gall 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.

ENVIRONMENTAL HAZARDS: 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.

PHYSICAL HAZARDS: Do not use or store near heat, open flames, or sparking electrical equipment.

CHEMICAL HAZARDS: Do not use application devices incorporating natural rubber or aluminum or magnesium or their alloys.

AIR CONCENTRATION LEVEL

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Loose fitting or well ventilated long-sleeved shirt and long pants.
Shoes and socks.

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

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

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

See Product Manual No. AM-210 for more information.

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

WORK 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. 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.
3. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
4. 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 control of weeds, nematodes and insect pests in seed and plant beds and strawberries and tomatoes.

ACTIVE INGREDIENT:

METHYL BROMIDE 68.4%

INERT INGREDIENTS* 31.6%

*Contains chloropicrin (warning odorant tear gas)

TOTAL 100%

ACUTELY TOXIC CHEMICAL

12.1 LBS. ACTIVE INGREDIENT/GAL. (LIQUID IN CYLINDER)

KEEP OUT OF REACH OF CHILDREN

DANGER  **PELIGRO**
POISON

PELIGRO

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

STATEMENT OF PRACTICAL TREATMENT

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

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

If on skin — Immediately remove contaminated clothing, shoes, jewelry, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

If In eyes — Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

See side panels for additional precautionary statements.

EPA REG. NO. 8622-14

☐ EPA EST. NO. 67545-AZ-01
☐ EPA EST. NO. 15298-IS-01
☐ EPA EST. NO. 29516-FL-04
☐ EPA EST. NO. 29516-NC-01

Distributed By:

AmeriBrom, Inc.

52 VANDERBILT AVENUE
NEW YORK, NY 10017
TELEPHONE: (212) 286-4000
FAX: (212) 286-4475

IN CASE OF EMERGENCY CONTACT:

Chemtec (800) 424-9300
or

AmeriBrom West
5419 Santa Clara Ave.
Camarillo, CA 93010
Call Collect: (805) 988-9719 (CA) |
(212) 286-4000 (NY)

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AB45/Rev 0 Net contents: _____ LBS./ _____ KGS. 3/94

PLACARDING OF FUMIGATED AREAS

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

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