RESTRICTED USE PESTICIDE

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

RR-0-GAS® 75

PREPLANT SOIL FUMIGANT

ACTIVE INGREDIENTS:					
Methyl Bromie	de		75.0%		
			25.0%		
№01 К	•	Total	100.0%		
t dice 🖫					
ira ft i	3/0/83				



Statement of Practical Treatment

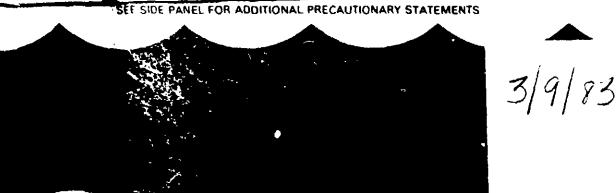
IF INHALED Remove victim to fresh air immediately. • Keep victim lying down and warm. • Give artificial respiration

if breathing has stopped . Call a physician at once

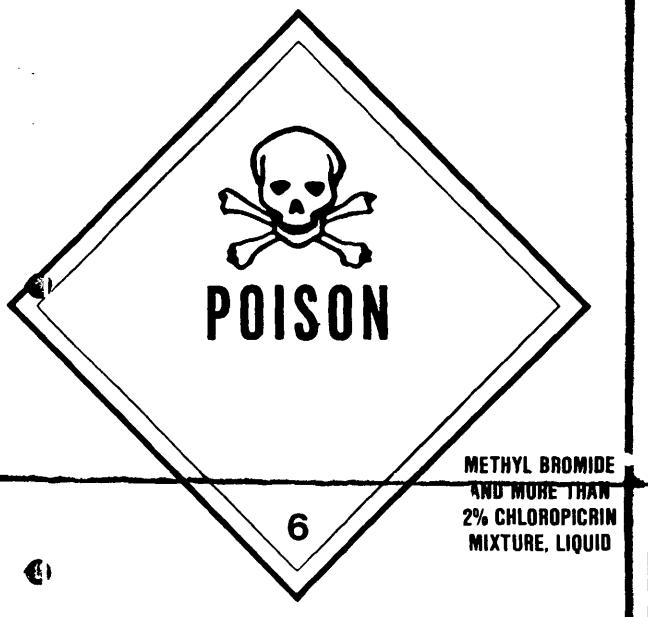
Remove all contaminated clothing and shoes at once. Clean or launder contaminated clothing before SKIN CONTACT

areas thoroughly with soap and water . If a rash or blisters develop, get medical attention

EYE CONTACT Flush thoroughly with running water for at least 15 minute







NOTE: Many pesticidal chemicals are poisonous and may leave a toxic residue on the plants to which they are applied. The U.S. Food and Drug Administration has established maximum amounts of such pesticidal chemicals that may remain on raw agricultural products at harvest, and it is the user's responsibility to see that there is no residue on such crops at harvest in excess of these amounts. The "Directions for Use" are based on the best available information, and if followed carefully should not leave excessive residues at harvest. However, Great Lakes Chemical Corporation assumes no responsibility as to their accuracy nor for any loss due to excessive residues.

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 the 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.

PRECAUTIONARY SATEMENTS HAZAROS TO MINANS AND DOMESTIC MIMALS DANGE

Poisonous if inhaled Do not Plathe vapors May burn akin and eyes. Bo not get meys en skin, or on clothing Vapors of Terr-O-Gas 75 may be chamely irritating to the eyes. When applying or transiting to other containers provide good ventilation in the Desence of discomforting concentrations of Terr-O-Gas 75 mayors, were a full-faced gas mask with a NIOSH or MSH-Dipproved black canister for organic vapors.

Applications near structures appear by humans and animals should be made in accaptionce with local regula-

ENVIRONMENTAL MAZAROS

This product is toxic to fish ar: hildfile keep out of lakes, ponds and streams. Do not cort minate water by cleaning of equipment or disposal of witas.
Following soil furnigation, of estrable concentrations of chloropicrin may drift to no by areas if this occurs, immediately recover treated a with a plastic tarpaulin Leave tarpaulin on overnight at remove during the day-time. Recover the area if eye if lation indicates that the undesirable concentrations are most likely to occur in the evening or at night when the air is most likely to occur in the evening or at night when the air is most likely to occur in the evening or at night when the air is most likely to occur in the evening or at night on on make application of Terr-C as 75 when there is little or no air movement or there is ninversion condition in the almosphere. Do not allow Terr-O-Gas 75 vapors to come in contact with any desirable living plant.

PHYSICAL OR CHEY CAL HAZAROS
Contents under pressure Do ro was or store near heat or open flame in fires fueled by their materials. Terr-0-Gas 75 may liberate hazardous 9.58. The use of Terr-0-Gas 75 with aluminum, magnesium, and alkali metais will result in the liberation of toxogases.

OIRECTIONS ON USE
It is a violation of Federal in to use this product in a manner inconsistent with its defing

STURAGE, SHIPMENT AND DISPOSAL

STORAGE. Store in a cool page away from dwellings. Do not allow contaminating of seeds plants fertifizers or other periodes in not contaminate food, feed stuffs drugs or domest water supplies. On not remove eye safety caps uniquist prior to use. SHIPMENT Do not ship with food feeds drugs or clothing.

BISPOSAL, Close valve by tuding clockwise until hand tight Disconnect lines. Retace safety caps and bonnet Return empty cylinder yeight collect to the Great Lakes. Chemical Corporation location from which shipment was made. Return partial rylinders only after consulting Great Laws. Chemical Corporation for proper shipping instructors.

Soil to be treated buth Terr-O-Bar75 should be inseed bed condition, free of clods and undecombesed organic material. Soil moisture should be in the range of 25.75% of field capacity depending on the soil type. Coarse textured soils can be fungated with higher flighture content than fine textured soils. Soil temperaturement the injection adopting 65-85 should be believed 50°F and 80°F. Dig not typing all soils that are too cold or too wet.

Pests controlled are inematides, including Metadanium.

Pests controlled are nematodes, including Melaidogyne Tylenchulus, Pratylenchus, Xiphinema, Criconemoides and Paratylenchus spacies

Soil-borne lungs including Versicilium, Fusarium, Pythium, Rhizoctoria, Phylophthora, Pyrenochaela, Scierotima, Scierotium, Armillaria, and the clubroot organism, Plasmodiophora.

Weeds and weed seeds seeds, roots stolons and bulbs of broadleaf weeds and grasses including quackgrass annual bluegrass, broomrape, common lambsquarters torpedograss and bermudagrass for heavy intestations of weeds and diseases, use higher label rates, Not effective against mallow, dodder, and some species of clover

insects in the soil at the time of treatment including wireworms, June beetle larvae, white grubs, and garden

symptytain application Method: Apply with chisels spaced 12" apart to a depth of 6-8". Seal immediately with polyethylene or other gas confining cover by means of an automatic tarp layer or seal with a drag or cultipacker immediately behind chisels and cover with a gas contining cover as soon as possible, preferably within 20 minutes. How or bed applications may be made at the broadcast rates but the amount used will be proportionately less per acce depending on the row spacing and width of treatment in the row or hed.

Exposers and Agration Expose to furnigation for 24-48 hours Agrate 2 weeks before setting transplants in treated areas. Tomato seeds may be planted 96 hours after exposure period if odor of furnigant persists at the end the aeration period disc or plow the soil to assist eration.

MOTE Furnigation may temporarily reduce intritication in the soil thus increasing levels of ammonium nitrogen and soluble ammonium salts to potentially phytotoxic levels. Accumulation of ammonium is most likely to occur when maximum rates of turnigant and territizer are applied to solus that are acidic, wet cold or high in organic matter. Apply only fertilizer containing at least 30% nitrate until the crop is well established and soil temperature is above 65°F, then fertilize as indicated by soil test. To stimulate nitrification and to reduce possible ammonium. nitrification and to reduce possible ammonuted solls should be nined before furnigation

d Refus: Recommended application rates for soils

to be planted to the following crops

Strawberries tomatoes eggplant muskmelon broccoli cauliflower	
and peppers	200-320 lbs. A
Floral crops, prnamental nursery and field grown prnamentals	276-400 lbs 'A
Seedbeds (for production of transplants only)	270-400 lbs/A
Lettuce	275-400 lbs: A
	400 535155 A

400-575 105 A Asparagus: Onions direct seeded (dry bulbs): 400 tbs. A

Clima Self For Cal This is a preplan planted in this tre for a period of all pounds per 100 s hours covering tr control disease to setting transplant

field or in green following safety o The use of mein a potential hazar cautions must be hazards be minim dividual supervis that all safety pre Before the fumiga visor of the fumic training of all per cludes use of sa from the area no and inspected the If a wind is blowing from a previous m of the fumigant at protective equipm halide leak detec source of the leak During this operat open and fans of fumigated area m signs containing the "Skull and Crifumigation, do no date of fumigation telephone number of the fumigator fumigated area is as indicated by a be 24-48 hours

Although Terr O G of chloropicsin Go methyl bromide to be allowed to enti-appropriate profe tion of the fumicar using an approve tective equipment until monitoring t

To maintain adec furnigation operation self-contained replacement black

For use in Califor-400 pounds per acuse 400-535 pound in 2 to 3 years. For use in Califo during year of treation use in areas not treat any field

RESTRICTED USE PESTICIDE

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TERR-O-GAS® 75

Preplant Soil Fumigant

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ACTIVE INGREDIENT Methyl Bromide	S	•	•	•	•	•	•	•	•	•	•	75.0%
Chloropicrin .												
												100%

DANGER

KEEP OUT OF REACH OF CHILDREN

POISON

ACCEPTID

MAR 9 1983

Under the Federal I was a Fungicide, and Roder in the partial and registered under EPA Reg. No. 6785-40

Statement of Practical Treatment

- If Inhaled 1. Remove victim to fresh air immediately.
 - 2. Keep victim lying down and warm.
 - Give artificial respiration if breathing has stopped.
 - Call a physician at once.

Skin Contact

1. Remove all contaminated clothing and shoes

clothing before reuse. Be sure all chemical odors are gone from contaminated articles before reuse.

- Wash exposed areas thoroughly with soap and water.
- If a rash or blisters develop, get medical attention.
- Eye Contact -1. Flush thoroughly with running water for at least 15 minutes.
 - 2. Get medical attention promptly.

NET	WT.	 • •	EPA	REG.	NO.	5785-40-AA
LOT	NO.		EPA	EST.	NO.	5735-AR-01

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

GREAT LAKES
CHEMICAL CORPORATION
West Lafayette, Indiana 47906



DIRECTIONS FOR USE

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

STORAGE, SHIPMENT AND DISPOSAL

Storage: Store in a cool place away from dwellings. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feed stuffs, drugs or domestic water supplies. Do not remove eye safety caps until just prior to use.

Shipment: Do not ship with food, feeds, drugs or clothing.

Disposal: Close valve by turning clockwise until hand tight.
Disconnect lines. Replace safety caps and bonnet. Return empty cylinders freight collect to the Great Lakes Chemical Corporation location from which shipment was made. Return partial cylinders only after consulting Great Lakes Chemical Corporation for proper shipping instructions.

0011-Proparty101

Soil to be treated with Terr-O-Gas® 75 should be in seedbed condition, free of clods and undecomposed organic material. Soil moisture should be in the range of 25-75% of field capacity depending on the soil type. Coarse textured soils can be fumigated with higher moisture content than fine textured soils. Soil temperature at the injection depth (6-8") should be between 50°F. and 80°F. Do not fumigate soils that are too cold or too wet.

Pests controlled are: nematodes, including <u>Meloidogyne</u>, <u>Tylenchulus</u>, <u>Pratylenchus</u>, <u>Xiphinema</u>, <u>Criconemoides</u>, and <u>Paratylenchus</u> species,

Soil-borne fungi, including <u>Verticillium</u>, <u>Fusarium</u>, <u>Pythium</u>, <u>Rhizoctonia</u>, <u>Phytophthora</u>, <u>Pyrenochaeta</u>, <u>Sclerotinia</u>, <u>Sclerotium</u>, <u>Armillaria</u>, and the clubroot organism, <u>Plasmodiophora</u>.

Weeds and weed seeds: seeds, roots, stolons, and bulbs of broadleaf weeds and grasses including quackgrass, annual bluegrass, broomrape, common lambsquarters, torpedograss and bermudagrass. For heavy infestations of weeds and diseases, use higher label rates. Not effective against mallow, dodder, and some species of clover.

Insects in the soil at the time of treatment including: wireworms, June beetle larvae, white grubs, and garden symphylan.



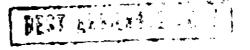
Application Method

Apply with chisels spaced 12 inches apart to a depth of 6 to 8 inches. Seal immediately with rolyethylene or other gas confining cover by means of an automatic tarp layer or seal with a drag or cultipacker immediately behind chisels and cover with a gas confining cover as soon as possible, preferably within 20 minutes. Row or bed applications may be made at the broadcast rates but the amount used will be proportionately less per acre depending on the row spacing and width of treatment in the row or bed.

Exposure and Aeration

Expose to fumigation for 24-48 hours. Aerate 2 weeks before setting transplants in treated areas. Tomato seeds may be planted 96 hours after exposure period. If odor of fumigant persists at the end of the aeration period, disc or plow the soil to assist aeration.

NOTE: Fumigation may temporarily reduce nitrification in the soil thus increasing levels of ammonium nitrogen and soluble ammonium salts to potentially phytotoxic levels. Accumulation of ammonium is most likely to occur when maximum rates of fumigant and fertilizer are applied to soils that are acidic, wet, cold, or high in organic matter. Apply only fertilizer containing at least 30% nitrate until the crop is well established and well temperature is above 65°F, then fertilize as indicated by soil test. To stimulate nitrification and to reduce possible ammonium toxicity, acid soils should be limed before fumigation.

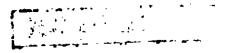


Dosage Rates

Recommended application rates for soils to be planted to the following crops:

Strawberries, Tomatoes, Eggplant, Muskmelon, Broccoli, Cauliflower, and Peppers	200-320 lbs/A
Floral crops, ornamental nursery, and field grown ornamentals	270-400 lbs/A
Seedbeds (for production of transplants only)	270-300 lbs/A
Lettuce ¹	400-535 lbs/A 275-400 lbs/A
Asparagus ²	400-535 lbs/A
Onions direct seeded (dry bulbs) 3	400 lbs/A

For use in California only. To control Big Vein apply 275-400 pounds per acre and to control nematodes and weeds use 400-535 pounds per acre. Do not use more than once in 2 to 3 years.



For use in California only. Do not harvest asparagus during year of treatment.

For use in areas West of the Rocky Mountains only. Do not treat any field more than once every 12 months.

Citrus Soil For Control of Phytophthora in Florida Sandy Soils. This is a preplant or replant treatment. Trees which are planted in this treated soil will not bear harvestable fruit for a period of at least 24 months. Use a minimum of 1-1½ pounds per 100 square feet. Expose to fumigation for 96 hours covering treated area with a 4 mil tarpaulin. Will control disease to a depth of 4 feet. Aerate 2 weeks before setting transplants in treated area.

Greenhouse Fumigation. Terr-O-Gas 75 may be used in field or in greenhouse. When used in greenhouse, the following safety precautions must be strictly observed.

The use of methyl bromide in confined spaces presents a potential hazard to humans and plant life. Special precautions must be made in order that these potential hazards be minimized. It is the responsibility of the individual supervising the fumigation operation to see that all safety precautions are strictly observed.

Before the fumigation operation commences, the supervisor of the fumigation job shall have conducted proper training of all personnel involved in the fumigation (includes use of safety equipment), removed all persons from the area not directly involved in the fumigation, and inspected the equipment to insure proper aeration.

If a wind is blewing, all injection should be made upwind from a previous injection site. Immediately after injection of the fumigant and tarping, a qualified person, wearing protective equipment, should monitor the area with a halide leak detector. If excessive leaks are found, the source of the leak should be resealed immediately.

During this operation, all windows and doors should be open and fans operating to maximize ventilation. The fumigated area must be placarded on all entrances with signs containing at least the signal word DANGER and the "Skull and Crossbones" and the words, "Area under fumigation, do not enter until completely aerated," the date of fumigation, name of the fumigant used, emergency telephone number for contact, and the name and address of the fumigator. Do not remove warning signs until the fumigated area is completely aerated and safe for entry; as indicated by a suitable detector. Exposure time should be 24-48 hours.

Although Terr-O-Gas 75 contains chloropicrin, the absence of chloropicrin does not always indicate the absence of methyl bromide. Under no circumstances shall any person be allowed to enter the fumigated structure without the appropriate protective equipment from the time of injection of the fumigant until acceptable readings are obtained using the approved detector. Persons not wearing protective equipment should not enter the fumigated area until monitoring devices show methyl bromide concentrations of 15 ppm or less.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS .

AND DOMESTIC ANIMALS

DANGER

Poisonous if inhaled. Do not breathe vapors. May burn skin and eyes. Do not get in eyes, on skin, or on clothing.

Vapors of Terr-O-Gas 75 may be extremely irritating to the eyes. When applying or transferring to other containers, provide good ventilation. In the presence of discomforting concentrations of Terr-O-Gas 75 vapors, wear a full-faced gas mask with a NIOSH or MSHA approved black canister for organic vapors.

Applications near structures occupied by humans and animals should be made in accordance with local regulations.

ENVIRONMENTAL HAZARDS

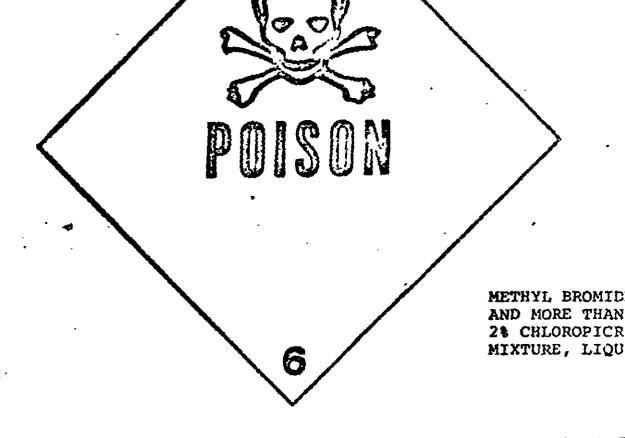
This product is toxic to fish and wildlife. Keep out or lakes, ponds and streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

Following soil fumigation, undesirable concentrations of chloropicrin may drift to nearby areas. If this occurs, immediately recover 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 Terr-O-Gas 75 when there is little or no air movement or there is an inversion condition in the atmosphere. Do not allow Terr-O-Gas 75 vapors to come into contact with any desirable living plant.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. In fires fueled by other materials, Terr-O-Gas 75 may liberate hazardous gases. The use of Terr-O-Gas 75 with aluminum, magnesium, and alkalimetals will result in the liberation of toxic gases.

To maintain adequate safety standards, the following equipment must be present on the site during the entire fumigation operation: 1) one or more full-face gas masks or self-contained breathing apparatuses; 2) one or more replacement black canisters per mask or air bottles per breathing apparatus; 3) one or more halide leak detectors; and 4) MSHA/NIOSH approved detection device.



NOTICE

Many pesticidal chemicals are poisonous and may leave a toxic residue on the plants to which they are applied. The U.S. Food and Drug Administration has established maximum amounts of such pesticidal chemicals that may remain on raw agricultural products at harvest, and it is the user's responsibility to see that there is no residue on such crops at harvest in excess of these amounts. The "Directions for Use" are based on the best available information, and if followed carefully should not leave excessive residues at harvest. However, Great Lakes Chemical Corporation assumes no responsibility as to their accuracy nor for any loss due to excessive residues.

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