

**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.

TERR-O-GAS® 80

PREPLANT SOIL FUMIGANT

ACTIVE INGREDIENTS:

Methyl bromide
Chloropicrin

By Wt.
80%
20%
TOTAL 100%

This product weighs 14.3 pounds per gallon.

**KEEP OUT OF REACH OF CHILDREN
POISON**



*Not Available
In Accordance with FH Notice 02-04
Send to Dr. B. B. Babbitt, D.D. 12/16/87*

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Statement of Practical Treatment

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

IF INHALED: Remove exposed person from contaminated area. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration. Do not give anything by mouth to an unconscious person. If unconscious, rinse mouth out with water.

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

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



Great Lakes Chemical Corporation

Reg no: 5785-47

PM-32

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ENVIRONMENTAL HAZARDS

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

SPILL AND LEAK PROCEDURES: In case of a rupture of tank or filling while applying fumigant, immediately stop tractor and motor, immediately evacuate area of spill or leak. Use a NIOSH/MSHA approved self contained breathing apparatus (SCBA) or combination air supplied-SCBA respirator for every one affected. Use to correct problem. Approach from upwind to make necessary repairs. Do not reenter area without respiratory protection until a sign has evaporated or a tank has been repaired and the methyl bromide concentration is determined to be less than 1 ppm and the chloropicrin concentration is determined to be less than 0.1 ppm in case of a leaking container. Remove to an isolated area and discharge contents under a polyethylene sheeting of 4 mil or greater thickness onto the soil surface in accordance with instructions under Soil Fumigation Directions.

Contaminated soil, water and other captured debris is a low hazard waste. Report spill to the National Response Center: 800-424-8802. If the reportable quantity of 1000 pounds is exceeded.

PHYSICAL AND CHEMICAL HAZARDS

Contains under pressure. Do not use or store near heat or open flame. In fires fueled by other materials, Terr-O-Gas 80 may contribute to hazardous gases. The use of Terr-O-Gas 80 with aluminum, magnesium, zinc and other metals may result in the liberation of toxic gases and possible fire and explosion. In addition, severe corrosion of containers and equipment made of these metals may occur.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 use of required respirator equipment and detector devices, emergency procedures, and proper use of the fumigant.

STORAGE, HANDLING AND DISPOSAL

Storage and Handling: Store in a cool, dry, well-ventilated area. Post as a highly toxic storage area. Do not contaminate water, food or feed by storage. Store cylinders upright, secured to a rack or wall to prevent tipping. Containers should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use open flame, tools, lamps or other devices to unclog cylinders. Transport cylinders sitting on their sides or other position to which the cylinder can be firmly secured. Do not remove valve protection cap until and safety cap until immediately before use. Replace safety cap and valve protection cap when cylinder is not in use. When cylinder is empty, close valve, screw safety cap on to valve outlet, and replace protection cap before returning to shop. Only the manufacturer or his designee is authorized to refill cylinders. Do not use cylinders for any other purpose.

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, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Return empty cylinders upright to the Great Lakes Chemical Corporation location from which shipment was made. Return damaged cylinders only after consulting Great Lakes Chemical Corporation for proper shipping instructions. In other cases, use prevailing carrier when possible.

SOIL FUMIGATION DIRECTIONS: Terr-O-Gas 80 may be used only for soil fumigation. The following precautionary procedures must be followed:

PRECAUTIONARY STATEMENTS: The following precautions must be followed PRIOR to soil fumigation:

- Comply with all local regulations and ordinances. Obtain an applicator permit from agricultural regulatory agencies as required.
- Never fumigate alone. It is imperative to always have an assistant present and proper protective equipment available in case of accidents.
- Persons in charge of an operation must advise other workers of all safety precautions and procedures. In addition, they must instruct them properly in the maintenance and operation of the equipment.
- Handle this fumigant in the open with the operator, upwind, from the container where there is good ventilation.
- When fumigant delivery system is ready before beginning operation, trained and other persons must be present during introduction of the fumigant.

1) Wind: Fumigation should be done with a tractor. 5 gallons of water must be carried on the tractor and 5 gallons of additional water must be available from the service truck. The tractor must be parked and in constant motion. Decomposition should not be allowed for driving.

2) Air: Fumigation should be checked from the leve before starting fumigation.

- The following precautions must be followed DURING the soil fumigation operation:
 - Technical persons must be present during introduction of the fumigant.
 - Do not allow application of this fumigant when there is strong wind or movement of the fumigant.
 - Do not allow fumigation to turn at the end of a pass until fumigant has been pulled back from system following rupture of a high valve.
 - Do not allow fumigation to be pulled up by the stream when fumigating. It must be covered with polyethylene film.
 - When the cylinders are empty, they are to be turned off and fumigant system is to be shut off.

APPLICATION METHODS: The use of Terr-O-Gas 80 is a preplant soil fumigation. Methods to be used: Nurse, Full, and Broadcast.

1) Nurse: When present in use at the time of treatment.

2) Full: Fumigation should be done in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area.

3) Broadcast: Fumigation should be done in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area.

NOTE: Fumigation may temporarily reduce nitrate in the soil, thus increasing levels of nitrogen and soluble ammonium salts in the soil. This is a normal reaction. Ammonium salts may be used to correct this condition. Ammonium salts may be used to correct this condition. Ammonium salts may be used to correct this condition.

Preparation of Soil: Fumigation should be done in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area.

3) Broadcast Application: Fumigation should be done in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area. The fumigant should be applied to the soil surface in a well-ventilated area.

Treatment Site	TERR-O-GAS 80	Rate ¹ & Method ²	Exposure Time
Field Soils to be Planted to:			
Vegetables, fruits, ornamentals, eggplants, cucumbers, muskmelons, watermelons, pumpkins, strawberries, tomatoes	225-300 L/A	1/2" to 1" depth	4-6 weeks
Soil for:			
Vegetables and Broadbean Soils: Food and Transplant Beds and Turf	225-300 L/A	1/2" to 1" depth	4-6 weeks
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3) Non or Bad Application: Apply the broadcast rate to the area usually treated. If the area covered by the fan is much less than the broadcast rate, the use of more than one fan may be necessary. The use of more than one fan may be necessary. The use of more than one fan may be necessary.

B. Special Instructions for Florida Citrus: Prepare to replace fumigation of citrus trees for control of Phytophthora and citrus nematodes in Florida sandy soils. Trees which are planted in this treated soil will not bear harvestable fruit for a period of at least 24 months. Apply with chains spaced 12 inches apart to a depth of 6-8 inches and cover immediately with 4 mil polyethylene film. Apply Terr-O-Gas 80 at the rate of 1 lb. pounds per 100 square feet. Expose to fumigation for 96 hours. This treatment will control Phytophthora to a depth of 4 feet. Remove cover and aerate for two weeks before planting citrus in treated soil.

C. Special Instructions for Greenhouse Soil Fumigation: The use of methyl bromide and chloropicrin in confined spaces presents a potential hazard to humans and plants. Special precautions must be taken 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 operation shall have conducted proper training of all personnel involved in the fumigation, including the use of safety equipment, removal of persons from the area and safety involved in the fumigation, and inspected the equipment to ensure proper application.

Two persons trained in the use of the product must be present during introduction of the fumigant. Number of personnel and other details when testing for fumigant. Two persons do not need to be present if monitoring is conducted outside the area being fumigated. If the concentration of methyl bromide and/or chloropicrin in the work area as measured by a pump and appropriate detector tubes, does not exceed 5 ppm methyl bromide or 0.1 ppm chloropicrin, no respiratory protection is required. If these concentrations are exceeded at any time, all persons in the fumigation area must wear a NIOSH/MSHA approved self contained breathing apparatus (SCBA) or combination air supplied-SCBA respirator or evacuate the area.

Application of Terr-O-Gas 80 in greenhouse soils is by the same methods as for field soils. Use Sections A, 1 and A 2 above. Consult dosage rate table for proper rates of application and exposure periods. If a wind is blowing, an injection should be made upwind from a broadcast injection site. Immediately after injection of the fumigant and turning a qualified person wearing respiratory protective equipment should monitor the target area with a hazard detector. If excessive heat is detected, shut the source of the heat immediately.

During this operation: all windows and doors should be open, and fans operating to maintain ventilation. The greenhouse must be padded on all entrances to the fumigant, and area with signs bearing in English and Spanish.

- The signal word DANGER, PELIGRO and the skull and crossbones symbol.
- The statement: Area under fumigation. DO NOT ENTER. NO ENTRY.
- The date of fumigation.
- Name of the fumigant used i.e. Terr-O-Gas 80.
- Name, address and telephone number of the applicator.

Aeration and Entry: After fumigation, treated areas must be aerated until the level of methyl bromide is below 5 ppm and chloropicrin is below 0.1 ppm. Do not allow entry into the treated area by any person before this time, unless a respiratory protection device (NIOSH/MSHA approved self contained breathing apparatus, SCBA or combination air supplied-SCBA respirator) and proper protective clothing is worn. Do not remove the fumigant until the treated area is aerated to below the levels indicated above. When a hot spot is detected, the placard may be removed by a trained applicator or someone under the supervision of the supervisor.

BEST AVAILABLE COPY

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PREPLANT SOIL FUMIGANT

ACTIVE INGREDIENTS:	By Wt.
Methyl bromide	80%
Chloropicrin	20%
TOTAL	100%

This product weighs 14.3 pounds per gallon.

**KEEP OUT OF REACH OF CHILDREN
POISON
DANGER**

DO NOT REUSE THIS PRODUCT IN ANY MANNER UNLESS THE ORIGINAL LABELING IS PRESENT

ENVIRONMENTAL HAZARDS

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

SPILL AND LEAK PROCEDURES: In case of a rupture or leak or during other applying fumigant, immediately stop tractor and motor. Immediately evacuate area of spill or leak. Use a NIOSH/MSHA approved self-contained breathing apparatus (SCBA) in combination air supplied SCBA respirator for entry into affected area to correct problem. Approach from upwind to make necessary repairs. Do not reenter area without respiratory protection until a spill has evaporated or a leak has been repaired, and the methyl bromide concentration is determined to be less than 5 ppm and the chloropicrin concentration is determined to be less than 0.5 ppm. In case of a leaking container, remove to an unobstructed area and discharge contents under a controlled shipping of 4 feet or greater thickness onto the soil surface in accordance with instructions under Soil Fumigation Directions.

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

PHYSICAL AND CHEMICAL HAZARDS

Contains under pressure. Do not use or store near heat or open flame. In fires fueled by other materials, Terr O Gas 80 may liberate hazardous gases. The use of Terr O Gas 80 with aluminum, magnesium, zinc and other metals will result in the liberation of toxic gases, and possible fire and explosion. In addition, severe corrosion of containers and equipment made of these metals will occur.

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