

ACCEPTED

SEP 8 1981

EPA Reg. No. 57165-19



POISON

METHYL BROMIDE  
AND MORE THAN  
2% CHLOROPICRIN

# 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.

# TERR-O-GAS® 70

## PREPLANT SOIL FUMIGANT

### ACTIVE INGREDIENTS:

Methyl Bromide

Chloropicrin

By Wt.

70.0%

30.0%

Total

100.0%



# DANGER



## KEEP OUT OF REACH OF CHILDREN POISON

### 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.

#### SKIN CONTACT

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

Flush thoroughly with running water for at least 15 minutes. • Get medical attention promptly.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Poisonous if inhaled. Do not breathe vapors skin and eyes. Do not get in eyes, on skin, or in mouth. Vapors of Terr-O-Gas 70 may be extremely irritating to eyes. When applying or transferring to other containers, provide good ventilation. In the presence of discolorations of Terr-O-Gas 70 vapors, wear a 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 instructions.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of ponds and streams. Do not contaminate water with equipment or disposal of wastes. Following soil fumigation, undesirable concentrations of chloropicrin may drift to nearby areas. If necessary, immediately recover treated area with a plastic tarpaulin. Leave tarpaulin on overnight and remove during time. Recover the area if eye irritation indicates. If undesirable concentration is continuing. These concentrations are most likely to occur in the evenings when the air is most likely to be static in motion. Do not make application of Terr-O-Gas 70 when there is no air movement or there is an inversion in the atmosphere. Do not allow Terr-O-Gas 70 to come in contact with any desirable living plants.

### PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not use or store near open flame. In fires fueled by other materials, Terr-O-Gas 70 may liberate hazardous gases. The use of Terr-O-Gas 70 with aluminum, magnesium, and alkali

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**Great Lakes**  
Chemical Corporation

trations 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 70 when there is little or no air movement or there is an inversion condition in the atmosphere. Do not allow Terr-O-Gas 70 vapors to come in 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 70 may liberate hazardous gases. The use of Terr-O-Gas 70 with aluminum, magnesium, and alkali metals will result in the liberation of toxic gases.

## DIRECTIONS FOR USE

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

## 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.

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 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:** 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.

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

Strawberries	215-340 lbs/acre
Tomatoes	215-340 lbs/acre
Eggplant	215-340 lbs/acre
Muskmelon	215-340 lbs/acre
Broccoli	215-340 lbs/acre
Cauliflower	215-340 lbs/acre
Peppers	215-340 lbs/acre
Floral crops, ornamental nursery and field grown ornamentals	285-380 lbs/acre
Seedbeds (for production of transplants only)	285-380 lbs/acre

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 70 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 an approved detector. 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 canister; per mask or air bottles per breathing apparatus; 3) one or more halide leak detectors; and 4) MSHA/NIOSH approved detection device.

A 15 ppm threshold limit value (TLV) for methyl bromide has been established. TLV is defined as the concentration below which personal protective devices are not required for persons entering or within a hazardous environment. Persons not wearing protective equipment should not enter the fumigated area until monitoring devices show methyl bromide concentrations of 15 ppm or less.

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