

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS  
AND DOMESTIC ANIMALS:**

**DANGER**

THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND MUST BE HANDLED WITH CARE ONLY BY THOSE INDIVIDUALS EXPERIENCED WITH ITS PROPER USE. CONSULT YOUR DEALER REPRESENTATIVE OR SOIL CHEMICALS CORPORATION FOR CORRECT PROCEDURE BEFORE USING. READ AND FOLLOW ALL LABEL DIRECTIONS AND PRODUCT LITERATURE SPECIFIC TO YOUR PARTICULAR REQUIREMENTS.

**EXTREMELY HAZARDOUS LIQUID AND VAPOR  
UNDER PRESSURE**

**INHALATION MAY BE FATAL OR CAUSE  
DELAYED LUNG INJURY**

**LIQUID AND VAPOR CAUSE BURNS WHICH  
MAY BE DELAYED**

The Chloropicrin portion of this fumigant has the capacity to cause marked irritation to the upper respiratory tract and is a strong irritant to the eyes and skin. Low concentrations below those necessary for control of a system's infestation are capable of causing severely painful eye irritation, hence will not be voluntarily tolerated. However, the effect may be so powerful that a person may become temporarily blinded and panic stricken and that in turn may lead to accidents.

**PRECAUTIONS TO FOLLOW  
PRIOR TO FUMIGATION:**

1. Before using this fumigant read and follow all directions on the label and in product literature.
2. Comply with local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.
3. It is advisable to supply your physician with information on Methyl Bromide and Chloropicrin. Contact Soil Chemicals Corporation for literature on Methyl Bromide and Chloropicrin.
4. Obtain medical assistance in case of a flash after exposure to a gas leak or low conditions which could accidentally cause further exposure to a very toxic gas.
5. Never fumigate in the vicinity of a waterway, swimming pool, or other protective equipment used below ground in case of accidents.
6. Drivers of application equipment must advise other workers in the field of their presence and proceed with caution. Advise machine helpers in the machine of the location of the tractor and how to safely work with the tractor and driver while in fumigation.
7. Hazardous fumes in the eyes with the operator of a vehicle, tractor, or other equipment should be avoided.
8. Do not fumigate in the vicinity of a swimming pool or other protective equipment used below ground.
9. After fumigation, avoid contact with the fumigant residue. Wash thoroughly with soap and water. Avoid contact with the eyes. Wash thoroughly with soap and water. Avoid contact with the eyes. Wash thoroughly with soap and water. Avoid contact with the eyes.

**RESPIRATORY EXPOSURE**

**RESPIRATORY PROTECTION:** Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus. Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus. Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus. Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus.

**EYE EXPOSURE**

1. Wear eye goggles when working with this fumigant. Eye goggles must be used to protect the eyes from irritation.
2. In case of eye exposure, flush eyes with clean water.

**SKIN EXPOSURE**

1. Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus.
2. In case of skin exposure, wash skin with clean water.
3. Do not use this fumigant in enclosed spaces unless you are wearing a self-contained breathing apparatus.
4. In case of skin exposure, wash skin with clean water.

SEE HANDLING PRECAUTIONS CONTINUED IN THIRD COLUMN

**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.

**PIC-BROM 25**

**PREPLANT SOIL FUMIGANT**

ACCEPTED

JAN 1984

ACTIVE INGREDIENTS

METHYL BROMIDE 75%  
CHLOROPICRIN 25%

INERT INGREDIENTS

0%

TOTAL 100%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER POISON**



**SEND FOR A DOCTOR IMMEDIATELY  
IN CASE OF EXPOSURE**

**STATEMENT OF PRACTICAL TREATMENT**

**IF INHALED**— Carry Patient To Fresh Air. Call Physician At Once. Make Sure Patient Can Breathe Freely. Keep Patient Warm. Give Artificial Respiration If Breathing Has Stopped. Oxygen Should Be Administered Only By Qualified Personnel.

**IF ON SKIN**— Immediately Remove All Contaminated Skin Covering Including Shoes, Clothing And Adhesive Or Other Bandages. Wash Skin Thoroughly With Soap And Water. If Irritation Or Blisters Develop, Get Medical Attention. Do Not Reuse Shoes Or Clothing Until Free Of All Contamination.

**IF IN EYES**— Flush Immediately With Plenty Of Water For At Least 15 Minutes And Get Medical Attention.

**NOTE TO PHYSICIAN**— Keep Patient At Rest And Under Observation For 24 To 48 Hours.

**PRECAUCION AL USUARIO.** Si Usted No Lee Ingles, No Use Este Producto Hasta Que La Etiqueta Le Haya Sido Explicada Ampliamente.

**TRANSLATION: (TO THE USER)** If You Cannot Read English, Do Not Use This Product Until The Label Has Been Fully Explained To You.

See Side Panel For Additional Precautionary Statements

**SOIL CHEMICALS CORPORATION**

P. O. BOX 531 MORGAN HILL, CALIF. 95037

E.P.A. EST. 8536-CA-1, 2, 3, 4; R-1  
E.P.A. REG. NO. 8536-11

NET CONTENTS

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## DIRECTIONS FOR USE

### GENERAL INFORMATION

This material is a preplant soil fumigant for the control of soil borne pests as listed. Diseases caused by certain species of *Rhizoctonia*, *Pythium*, *Fusarium*, and *Frytophthora*. Wireworms, nematodes including *Meloidogyne*, *Frustraria*, *Tylenchus*, *Xiphinema*, *Citronomus*, and *Furcariopsis*, plus species broadleaf and grassy weeds including quackgrass, annual bluegrass, bromofoam, common amaranths, tarweed, grass, nutgrass, and bermudagrass. This fumigant is not effective against annual three daddier, some species of clover, and certain other hard seeded weeds. It should be used in soil to be planted to the crops listed below.

### SOIL PREPARATION

Final application must be made in soil after plowing and with the soil moisture to support weed germination. When fumigating trees, shrubs, or berries, the soil should be tilled to a depth of at least 15 inches.

### APPLICATION

Apply this fumigant in a single application to the soil in rows and beds in the field. Apply the fumigant after application of other soil treatments. Immediately after application, cover with a soil mulch.

### DOSEAGE TABLE

Land to Be Planted To	Rate Per Acre
Strawberries	250-375
Tomatoes	250-375
Pineapples	250-375
Cauliflower	250-375
Broccoli	250-375
Melons	250-375
Peppers	250-375
Eggplants	250-375
Floral Crops	300-400
Nursery Crops	300-400
Plant & Seed Beds	300-400

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.

Use the higher rates for nutgrass control.

Plant grown for transplanting.

### REACTION

For the hazard to other plants, see the label for the appropriate precautions. Do not use this fumigant in soil where other plants are growing.

### FOR USE IN CALIFORNIA ONLY ASPARAGUS AND LETTUCE

Application	Rate	Reaction
Asparagus	250-375	24-48 hours
Lettuce	250-375	24-48 hours

LIMITATIONS: For use in California only. Do not use in soil where other plants are growing.

### FOR USE WEST OF ROCKY MOUNTAINS ONIONS, DIRECT SEEDED

Application	Rate	Reaction
Onions	250-375	24-48 hours

LIMITATIONS: For use in California only. Do not use in soil where other plants are growing.

DECIDUOUS TREES, NUTS, CEREALS AND OTHER PERENNIAL CROPS DO NOT HARVEST CROPS FOR 24 MONTHS AFTER FUMIGATION.

Do not use this fumigant in soil where other plants are growing. Do not use this fumigant in soil where other plants are growing. Do not use this fumigant in soil where other plants are growing.

### DOSEAGE AND EXPOSURE TABLE FOR SOIL FUMIGATION WITH METHYL BROMIDE

Plant Control	Rate (lb/acre)	Exposure	Reaction Time
Asparagus	250-375	24-48 hours	24-48 hours
Lettuce	250-375	24-48 hours	24-48 hours

Citrus Soil For Control of Phytophthora in Florida Sandy Soils. This is a preplant or preplant 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 1.15 pounds per 100 square feet. Expose to fumigation for 24 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. This fumigant 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 individuals supervising the fumigation operation to see that all safety precautions are strictly observed.

Before the fumigation operation commences, the person in charge of the fumigation operation should conduct proper training of all personnel involved in the fumigation operation. Use of safety equipment, removal of persons from the area and safety precautions must be strictly observed.

If a wind is blowing, an injection should be made upwind from a previous injection site. Immediately after injection of the fumigant and turning a qualified person wearing protective equipment should monitor the area with a halide gas detector. If excess leaks are found, the source of the leak should be repaired immediately.

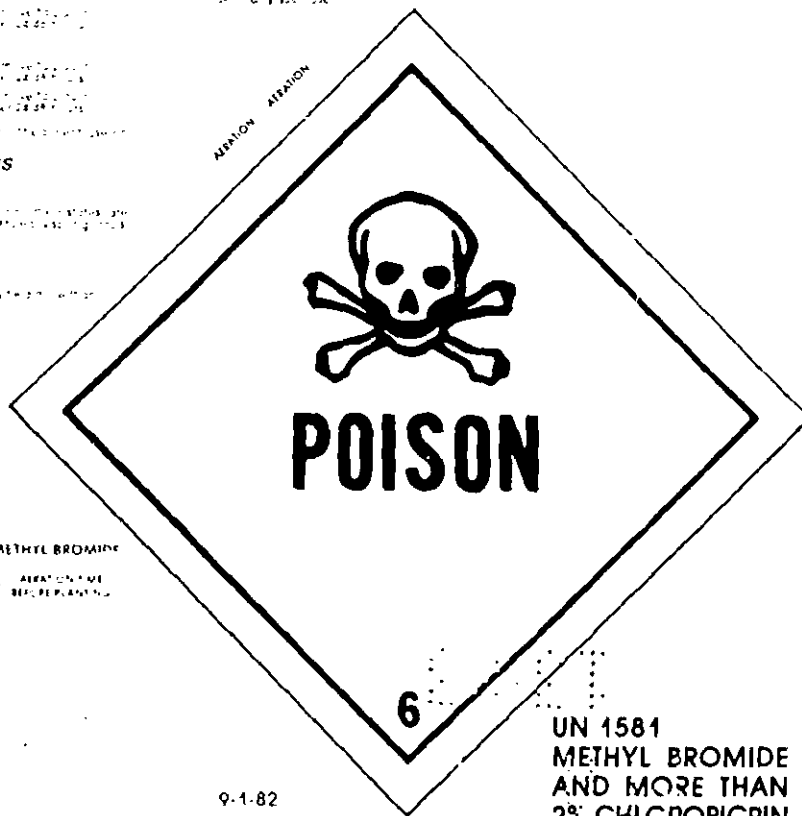
During this operation, all windows and doors should be open and fans operating to maximize ventilation. The fumigated area must be placarded at all entrances with signs containing at least the signal word DANGER and the Skull and Crossbones and the words Area under fumigation do not enter until completely 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 this fumigant contains Chloropicrin, the absence of Chloropicrin does not always indicate the absence of Methyl Bromide. Under no circumstances should 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 at 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 breathing apparatus, 3) one or more halide gas detectors.

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.

### WARRANTY

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or in other abnormal conditions or under conditions not reasonably foreseeable to the seller and Buyer assumes the liability for such use.



UN 1581  
METHYL BROMIDE  
AND MORE THAN  
2% CHLOROPICRIN  
MIXTURE, LIQUID

## PRECAUTIONS TO FOLLOW DURING FUMIGATION:

14. This fumigant should not be applied when there is an atmospheric inversion. If there is a temperature inversion of 20° or more, it may drift to nearby areas. Immediately cover treated areas with plastic tarpaulins during the use of 4500's.
15. Do not fumigate in areas where there is a possibility of fire. Do not use fumigant in areas where there is a possibility of explosion.
16. If the fumigant is applied to a structure, do not enter the structure until the fumigant has been removed. If the fumigant is applied to a structure, do not enter the structure until the fumigant has been removed.
17. In case of a rupture of hose or fitting while applying fumigant, immediately stop the flow and repair. Get off structure and get to a place where the problem can be repaired without exposure to fumigant. Approach from upwind with respiratory protection if required, and make necessary repairs.
18. When making repairs, make sure that the area is free of fumigant before making the repairs.

## PRECAUTIONS TO FOLLOW AFTER FUMIGATION:

19. Post all treated areas with warning signs. Available from: SOLO CHEMICALS CORP. RATION.
20. Keep all animals, children and unauthorized people away from area under fumigation during 48 hour exposure period and during removal of fumigant.
21. Do not feed domestic animals on crops residues unless EPA has issued a label for such use. Do not feed animals on treated crops residues unless label allows it.
22. **NOTE CAREFULLY:** Fumigation may temporarily raise the level of ammonia in the soil. Do not apply fertilizer to soil until after the fumigant has been removed. Do not apply fertilizer to soil until after the fumigant has been removed. Do not apply fertilizer to soil until after the fumigant has been removed. Do not apply fertilizer to soil until after the fumigant has been removed.
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## ENVIRONMENTAL HAZARD

This fumigant should not be discharged where it will drain into lakes, streams, ponds or public water. Do not contaminate water by cleaning equipment or disposing of wastes.

## CHEMICAL HAZARD

Do not use containers or application equipment made of magnesium, aluminum or their alloys under certain conditions. This fumigant may be severely corrosive to such metals. Do not permit water to be used to clean fumigant pressure systems or hoses or hoses. Do not use water for this purpose.

## DIRECTIONS FOR USE

Read and follow label directions for all directions for use.

## STORAGE AND RETURN OF FUMIGANT CYLINDERS

### STORAGE

1. Store in a cool, dry place.
2. Do not store in a hot place.
3. Do not store in a place where it is exposed to sunlight.
4. Do not store in a place where it is exposed to fire.
5. Do not store in a place where it is exposed to moisture.

### SPILL OR LEAK PROCEDURE

Evacuate the area and use respiratory protection. If the gas is not immediately removed, it may be fatal. Do not breathe the gas. Do not touch the gas. Do not use water to clean up the gas. Do not use water to clean up the gas.

### RETURN OF CYLINDERS

1. Cylinders are the property of Solo Chemicals Corp. 2211 E. 220th Street, Long Beach, CA 90801. Solo Chemicals Corp. 2610 May 4th Street, Fairport, NY 14450.
2. Cylinders should be returned promptly to Solo Chemicals Corp.
3. Do not use cylinders unless they are properly labeled and have the correct pressure rating.
4. Do not use cylinders unless they are properly labeled and have the correct pressure rating.
5. Do not use cylinders unless they are properly labeled and have the correct pressure rating.

### SHIPPING

This fumigant is classified as a Class 2.2 Poisonous Gas. It is shipped in cylinders. Do not use cylinders unless they are properly labeled and have the correct pressure rating. Do not use cylinders unless they are properly labeled and have the correct pressure rating.

### HANDLING

1. Do not use cylinders unless they are properly labeled and have the correct pressure rating.
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