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

**D A N G E R**

**EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE.  
INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG OR NERVOUS SYSTEM INJURY.  
DO NOT BREATHE VAPORS.  
LIQUID OR EXCESSIVE 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 WHICH 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. EARLY SYMPTOMS OF CHLOROPICRIN OVEREXPOSURE ARE LACHRYMATION, RESPIRATORY DISTRESS AND VOMITING.**

**OBSERVE THE FOLLOWING PRECAUTIONS**

**GENERAL PRECAUTIONS**

1. Do not get in eyes, on skin, or on clothing.
2. Do not spill or discharge contents outside of areas confined for treatment.
3. Comply with all local regulations and ordinances.
4. It is advisable to supply your physician with information on Chloropicrin and Methyl Bromide. Literature is available from your dealer or distributor.
5. Obtain medical assistance at once in case of illness after exposure, and do not allow conditions which could accidentally cause further exposure until recovery is complete. (See Note to Physician.)

**RESPIRATORY PROTECTION**

If the concentration of methyl bromide in the working area, as measured by a direct-reading detector device (such as a Dräger gas detector) does not exceed 5 ppm (20 mg/cu m), no respiratory protection is required. If this concentration is exceeded at any time, all persons in the fumigation area must wear protective clothing and a NIOSH/MSHA approved self-contained breathing apparatus (SCBA) or combination air-supplied SCBA respiratory (such as a U.S. Divers' Survival or comparable device).

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 SCBA or combination air-supplied/SCBA respirator must be available and will be required for entry into an affected area in the event of a leak or spill.

**CLOTHING PRECAUTIONS**

1. Wear clean clothing and shoes that are cleaned after each use. Do not wear jewelry, gloves, or shoes that may be damaged or soiled. Do not wear clothing that may be damaged or soiled. Do not wear clothing that may be damaged or soiled. Do not wear clothing that may be damaged or soiled.
2. Following application, immediately remove all shoes and socks. Do not reuse contaminated clothing or shoes until thoroughly cleaned and separated. Breached clothing cannot be adequately decontaminated.
3. Do not wear gloves of any type or rubber protective clothing or rubber boots.
4. If liquid fumigant splashes or spills on clothing, remove them at once, as fumes will be an irritating source of irritation.

**SPILL OR LEAK PROCEDURE**

1. Evacuate the immediate area of the spill or leak. Use SCBA or combination air-supplied SCBA respiratory protection in the affected area to prevent irritation to the eyes, nose, and throat. Cylinders or containers outdoors should be removed, observing strict safety precautions. Allow vapors to dissipate. Allow spill to evaporate. Do not permit entry into spill area by unprotected persons until the concentration of methyl bromide is determined to be less than 5 ppm (20 mg/cu m) and chloropicrin less than 0.1 ppm.
2. Contaminated soil, water, and other cleanup debris is a toxic hazardous waste. Report spill to the National Response Center (800-424-8802) if reportable quantity is 1000 lbs. or exceeded.

SEE PRECAUTIONS CONTINUED IN THIRD COLUMN

**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.

**PIC-BROM 43**

**PREPLANT SOIL FUMIGANT**

**ACTIVE INGREDIENTS:**

METHYL BROMIDE	57%
CHLOROPICRIN	43%

**INERT INGREDIENTS:**

	0%
<b>TOTAL</b>	<b>100%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**POISON**

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

**IN ALL CASES OF OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY TAKE PERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY**

**STATEMENT OF PRACTICAL TREATMENT**

**IF INHALED:** Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration. Give oxygen if needed. Do not give anything by mouth to any unconscious person. Seek medical attention.

**IF ON SKIN:** Immediately remove contaminated clothing, shoes, and other items covering the 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.

**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.

See Side Panel For Additional Precautionary Statements.



**Soil  
Chemicals  
Corporation  
PRODUCTS**

P.O. BOX 782 • HOLLISTER, CA 95044

**E.P.A. EST. 8536-CA-1,2,3,4;FL-1  
E.P.A. REG. NO. 8536-07**

**NET CONTENTS . . . . . LBS.**

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**PRECAUTIONS FOR SOIL FUMIGATION USE  
PRIOR TO FUMIGATION**

1. Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.
2. Never fumigate alone. It is imperative always to have an assistant and proper protective equipment in case of accidents.
3. 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.
4. Handle this fumigant in the open, with the operator "up wind" from the container where there is good ventilation.
5. Check fumigant pressure system for leaks before beginning operation.
6. Two trained persons must be present during introduction of the fumigant.
7. 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 of 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."
8. Field should be reasonably free of trash before starting the fumigation.

**DURING FUMIGATION**

1. 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 areas with plastic tarpaulin for a minimum of 48 hours when the injection depth is less than 10".
2. Do not lift injection shanks to turn at the end of a pass until fumigant has drained from system following closure of shutoff valve.
3. 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.
4. When changing the cylinders, be certain they are turned off and fumigant system is not under pressure. Do not open the system when there are people or structures downwind where exposures above the permissible exposure levels could occur.

**FOLLOWING FUMIGATION**

1. Post all treated areas with warning signs, available from your dealer or representative.
2. No children, unauthorized people, or animals should be in the fumigation area for 48 hours.
3. When tarpaulin is used, two trained persons must be present during removal of the tarpaulin.

**SPILL AND LEAK PROCEDURE**

1. In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor. Evacuate immediate area of spill or leak. Use SCBA or combination air-supplied/SCBA respirator for entry into affected area to correct the problem. Approach from upwind to make necessary repairs.
2. Do not reenter area without respiratory protection until spill has evaporated or leak has been fixed.

**NOTE CAREFULLY**

Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests made after fumigation. To avoid ammonia injury and/or nitrate starvation to crops, avoid using fertilizers containing ammonium salts and use only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 65° F. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

**STORAGE AND HANDLING**

Store in dry, cool, well-ventilated area under lock and key. Treat as a pesticide storage area. Do not contaminate water, food or feed by storage. Persons moving or handling containers should wear protective clothing. Open container only in a well-ventilated area wearing protective clothing, and respiratory protection if necessary. 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 unlash 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. When cylinder is empty, close valve, 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 cylinder.

STORAGE AND DISPOSAL DIRECTIONS CONTINUED

**STORAGE AND DISPOSAL DIRECTIONS CONTINUED:**

**RETURN OF CYLINDERS**

Cylinders are the property of.

Soil Chemicals Corporation 2040 East 220th Street Long Beach, CA 90810	Soil Chemicals Corporation 8770 Highway 25 Hollister, CA 95023
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and should be returned promptly by collect auto freight. Do not ship cylinders without safety caps or valve protection bonnets. When a cylinder is partially full and there is no further requirement for the product, contact Soil Chemicals Corporation for return instructions.

**SHIPPING**

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Methyl Bromide and more than 2% Chloropicrin mixture, class "B" poison (inhalation hazard) and no exemptions from specifications, packaging, marking, or labeling are allowed. Describe empty cylinders as having last contained Methyl Bromide and more than 2% Chloropicrin mixture (inhalation hazard). Do not ship with foods, feeds, or clothing.

**DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate 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.

**ENVIRONMENTAL HAZARD**

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 EPA 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.

**CHEMICAL HAZARD**

Do not use containers or application equipment made of magnesium, aluminum, or their alloys, as under certain conditions this fumigant may be severely corrosive to such metals. Do not permit water to be used to clean fumigant pressure system as corrosion will result. Diesel oil is satisfactory for this purpose.

SPECIMEN

ACCEPTED  
8536-7  
7 SEP 1988

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
UNDER NO. \_\_\_\_\_ SUBJECT  
TO ATTACHED CONDITIONS

**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 under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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## GENERAL INSTRUCTIONS

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 THE ATTACHED SUPPLEMENT. 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.

### GENERAL INFORMATION

This material is a preplant soil fumigant for control of soil-borne pests as listed: Nematodes and nematodes, weed and grass seeds, and diseases caused by certain species of Rhizoctonia, Pythium, Fusarium, Phytophthora, and Verticillium. It is to be used in soil to be planted to the crops listed below.

### SOIL PREPARATION

Prior to application, the soil should be in condition for planting and with sufficient moisture to support seed germination.

### APPLICATION

Apply this fumigant by means of chisels spaced from 12" to 18" apart and at a depth of 6" to 8" below soil surface. To seal fumigant after application, cover with a gas-tight tarpaulin.

### DOSAGE TABLE

Land To Be Planted To:	Lbs. Per Acre
Strawberries	350 - 375
Tomatoes	350 - 375
Floral Crops	350 - 375
Nursery Crops	350 - 375
Plant & Seed Beds*	350 - 375

\* For production of replants only.

### AERATION

Remove tarpaulin after 48 hours. Allow the soil to aerate for two weeks before planting. If odors of fumigant persist beyond this two-week period, disc or plow the soil to help aeration.



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

