

11220-7

09/01/1982

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ACCEPTED

SEP 1 1982

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 11220-7

SPECIMEN

**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 TRICAL INCORPORATED 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 lachrymator (tear producing eye irritant). Low concentrations, below those necessary to cause serious systemic intoxication, 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 all 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. Literature on Methyl Bromide is available from Manufacturing Chemists Association, 1825 Connecticut Avenue, N.W. Washington, D.C. 20009 (Chemical Safety Data Sheet SD-35) or contact TRICAL INCORPORATED for literature on Methyl Bromide and Chloropicrin.
4. 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.
5. Never fumigate alone. It is imperative to always have an assistant and proper protective equipment, as listed below, to aid in case of accidents.
6. 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.
7. Handle this fumigant in the open, with the operator "up wind" from the container where there is good ventilation.
8. Check fumigant pressure system for leaks before beginning application.
9. 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 additional water must be available from the service truck. The water must be drinkable but in containers marked "Water not for drinking".

RESPIRATORY PROTECTION

10. **RESPIRATORY PROTECTION:** Do not breathe fumes. A gas mask must be carried in each service vehicle. Because of the lachrymatory action of this fumigant, it will serve as its own identifying agent to help prevent over-exposure. However, if vapor exposure may occur in a confined space, a full face gas mask with an air supply (tank or airline) is recommended. Read and follow the gas mask manufacturer's recommendations. A full face gas mask with a fresh black canister meeting N.I.O.S.H. specifications for organic vapors can also be used under certain circumstances where the vapor concentration is known to be under 2% by volume (5 lb. per 1000 cu. ft.). Canisters should be used for no more than that period recommended by the manufacturer. Destroy used canisters by crushing. Chloropicrin must not be depended upon as an identifying agent when a canister gas mask is used.

EYE EXPOSURE

11. Wear safety glasses when working with this fumigant. Exposure of eyes to splashing liquid fumigant may render an individual helpless.
12. In case of eye exposure flush eyes with clean water.

SKIN EXPOSURE

13. Do not spill. If liquid fumigant splashes or spills, on shoes or clothing, remove them at once, as fumes from the contaminated area will be an intolerable source of irritation. If liquid contacts skin where rings or bandages are worn, remove them and wash exposed skin with soap and water. Air expose shoes or clothing outside and do not wear until free of all traces of fumigant.
14. Do not wear gloves.
15. Always have adequate clean water available to wash skin.

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.

**TRI-CON 67/33
PREPLANT SOIL FUMIGANT****ACTIVE INGREDIENTS**

METHYL BROMIDE 67.0%

CHLOROPICRIN 32.7%

INERT INGREDIENTS 0.3%

TOTAL 100.0%

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.

TRICAL

P. O. BOX 2 MORGAN HILL, CALIF. 95037

E.P.A. EST. 11220-CA-1, 2, 3, 4

EPA REG. NO. 11220-7

NET CONTENTS LBS.

HANDLING PRECAUTIONS (CONTINUED) PRECAUTIONS TO FOLLOW DURING FUMIGATION:

16. This fumigant should not be applied when there is an atmospheric inversion, since undesirable concentrations of Chloropicrin may drift to nearby areas. Immediately cover treated areas with plastic tarpaulin for a minimum of 48 hours.
17. Do not apply to areas adjacent to fields where crops are growing or near buildings inhabited by humans or livestock, unless the area is properly covered with gas-tight tarpaulins as specified by the local Agricultural Commissioner.
18. Do not lift injection shanks to turn at end of a pass until fumigant has drained from system following closure of shut-off valve.
19. Trash pulled by the shanks to the ends of the field when fumigating must be covered by lifting the shanks, then covering the trash with tarpaulin before moving the turn for the next pass.
20. In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor. Get off tractor and get to a place where the problem can be observed without exposure to fumes. Approach from upwind, with respiratory protection if required, and make necessary repairs.
21. 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.

PRECAUTIONS TO FOLLOW AFTER FUMIGATION:

22. Post all treated areas with warning signs. The signs are available from TRICAL INCORPORATED.
23. Keep all animals, children and unauthorized people away from area under fumigation during 48 hour exposure period and during removal of tarpaulin.
24. Do not feed domestic animals on crop residues unless an E.P.A. tolerance exists for such use. Examine area, but not livestock, seeded or volunteer cover crops growing on soil which has been fumigated as a preplant treatment for a registered crop use.
25. **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 or nitrate starvation, or both, to crops, avoid using fertilizers containing ammonia-nitrogen 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.

ENVIRONMENTAL HAZARD

This fumigant is toxic to fish and wildlife. It should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

DIRECTIONS FOR USE

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

STORAGE AND RETURN OF FUMIGANT CYLINDERS

STORAGE

- Do not store with food, feeds, or clothing.
- Storage areas should be:
 - (1) Secured by lock and key.
 - (2) Posted as pesticide storage.
 - (3) Away from dwellings.
 - (4) Dry and cool.
 - (5) Well ventilated.

SPILL OR LEAK PROCEDURE

Evacuate affected area, use respiratory protection and correct problem. Move cylinder outdoors or to an isolated location. Wash fumigant into soil or cover with soil if possible. Allow liquid to evaporate. Do not permit re-entry into area until free of fumes.

RETURN OF CYLINDERS

- (1) Cylinders are the property of:
Trical Incorporated
2060 E. 220th
Long Beach, CA
and should be returned promptly by collect auto freight.
- (2) When a cylinder is empty, the valve should be closed, the safety cap screwed onto the valve outlet, and the protection banner replaced prior to its return to the shipper.
- (3) Do not ship cylinders without safety caps or valve protection banners.
- (4) When a cylinder is partially full and there is no further requirement for the product, contact Trical Incorporated for return instructions.
- (5) Consumers should never be refilled by the consumer or used for any other product or purpose.

SHIPPING

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

HANDLING

- (1) The valve protection banner and safety cap should be removed only when fumigant is about to be removed from the cylinder. The safety cap and valve protection banner must be replaced when cylinder is not in use.
- (2) Cylinders should never be subjected to rough handling or to abnormal mechanical shock such as dropping, bumping, dragging or sliding.
- (3) Rope slings, hooks, rings, and similar handling devices should not be used for unloading cylinders.
- (4) A suitable hand truck, fork truck, or similar device to which the cylinders can be firmly secured, should be used for transporting the heavier cylinders.

DIRECTIONS FOR USE (continued)

GENERAL INFORMATION

This material is a preplant soil fumigant for control of soil-borne pests: disked wireworms and nematodes, weed and grass seeds, and diseases caused by certain species of *Rhizoctonia*, *Pythium*, *Fusarium* and *Phytophthora*. It is to be used in soil to be planted to 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 chisel 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	225-355
Tomatoes	225-355
Floral Crops	225-450
Nursery Crops	225-450
Plant & Seed Beds*	225-450

*For production of replants only.

AERATION

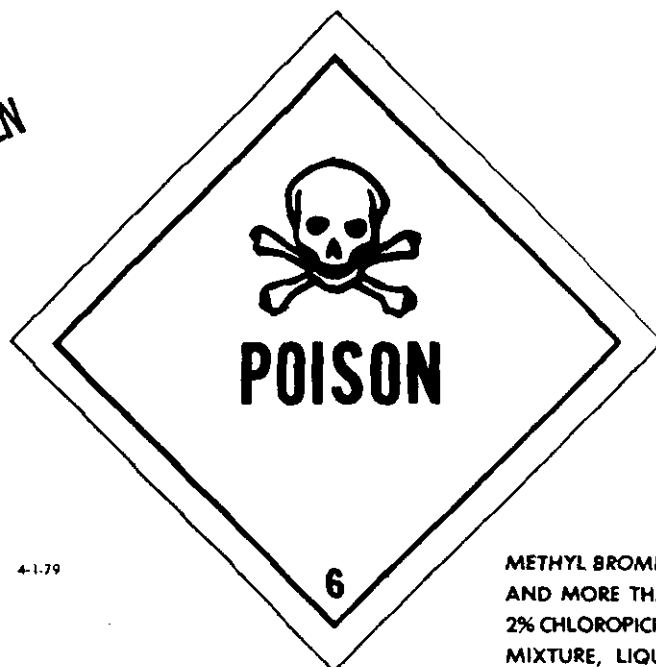
Remove tarpaulin after 48 hours. Allow the soil to aerate for two weeks before planting. If odors of fumigant persist beyond this two-week period, disc or plow the soil to help aeration.

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.

Under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

SPECIMEN



4-1-79

METHYL BROMIDE
AND MORE THAN
2% CHLOROPICRIN
MIXTURE, LIQUID

FOR USE WEST OF ROCKY MOUNTAINS

ONIONS, DIRECT SEEDED

APPLICATION: Treatment can be made whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops. Follow application directions as described above.

USE: For control of White Rot, weeds (grasses) and Nematodes.

DOSAGE: 450 lbs/Acre

LIMITATION: Use restricted to west of the Rocky Mountains, do not treat any field more than once every twelve months.

FOR USE IN CALIFORNIA ONLY

ASPARAGUS AND LETTUCE

APPLICATION: Follow application directions as described above.

DOSAGE AND USE TABLE

<u>CROP</u>	<u>USE</u>	<u>RATE</u>	<u>AREATION</u>
Asparagus	Fungus diseases (damping off, Pythium spp.) weeds (grasses) Nematodes	450-600 lbs/A	Remove tarpaulin after 24-48 hours
Lettuce	Big Vein	300-450 lbs/A	Remove tarpaulin after 24-48 hours
	Weeds (including oxalis) Nematodes	450-600 lbs/A	Remove tarpaulin after 24-48 hours

LIMITATIONS: For use in California only, do not harvest asparagus during year of treatment, use on lettuce fields only once in 2 to 3 years.