

HAZARD TO HUMANS

D A N G E R

POISONOUS LIQUID AND VAPOR IRRITATION MAY BE FATAL. CHLOROFORM IS READILY IDENTIFIABLE BY SMELL. EXPOSURE TO VERY LOW CONCENTRATIONS OF VAPOR WILL CAUSE IRRITATION OF EYES, NOSE AND THROAT. CONTINUED EXPOSURE AFTER IRRITATION IS EVIDENT OF NERVOUS SYSTEM. THEREFORE, MAY CAUSE FURTHER IRRITATION TO EYES OR THROAT AND RESPIRATORY SYSTEM WILL CAUSE COPIOUSAL REFLEX TO SPIN OR EYES. IF NOT GET TO EYES OR EYES OR ON CLOTHING. REMOVAL OF EYES IS CRUCIAL.

1. The above information was obtained from the files of the Federal Bureau of Investigation, Department of Justice, and is being furnished to you for your information.

PRECAUTIONS TO BE TAKEN
PRIOR TO FUMIGATION

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.

FUMIGANT

ACTIVE INGREDIENTS:	
CHLOROPICRIN	99%
INERT INGREDIENTS:	1%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

D A N G E R



P E L I G R O

P O I S O N

1. before using fumigant, read and follow the instructions on the label and in the 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 Chlorobenzene, which is available from Trifol.
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 protection 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 safe operation of the tractor and how to work with the tractor and driver while fumigating.
7. Handle this fumigant in the open, well-ventilated area of the tractor, away from the operator, where there is fresh air.
8. Check the fumigant pressure system, and use it only after beginning application.

RESPIRATORY EXPOSURE:

1. IMMEDIATE PROTECTION IS NOT NECESSARY. A PERSON MUST BE RESCUED IN CASE OF EXPOSURE.
2. If the concentration of chlorobenzene in the working area is measured by direct reading devices, such as a Mott's Airflow, gas detector tube, or a direct-reading device, the concentration must be kept below 100 ppm. If the concentration is exceeded at any time, all persons in the fumigated area must wear a high-efficiency respirator with proper filters. The use of a high-efficiency respirator with proper filters is required for a concentration of 100 ppm or higher.

EYE EXPOSURE:

1. Wear safety glasses and goggles with side shields, and use them at all times when working with this fumigant.
2. In case of eye exposure, flush eyes with water for 15 minutes.

SKIN EXPOSURE:

1. Wear long-sleeved shirt and long pants, and use them at all times when working with this fumigant.
2. Avoid contact with skin. If contact occurs, wash immediately with soap and water.
3. If contact occurs with the face, wash immediately with soap and water.
4. If contact occurs with the eyes, flush immediately with water for 15 minutes.
5. If contact occurs with the mouth, spit out the fumigant and wash immediately with soap and water.
6. If contact occurs with the skin, remove the clothing and wash immediately with soap and water.
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PRECAUTIONS TO FOLLOW DURING FIELD FUMIGATION

1. The fumigant should be applied in a steady stream, as an atomized spray, and should be applied in a steady stream, as an atomized spray, and should be applied in a steady stream, as an atomized spray.
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SEE HANDLING PRECAUTIONS CONTAINED IN TRIFOL LITERATURE

IN ALL CASES OF OVEREXPOSURE GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR 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, preferably mouth-to-mouth. Do not give anything by mouth if any unconscious person.

IF ON SKIN: Wash exposed areas thoroughly with soap and water. Wash exposed areas thoroughly with soap and water. Wash exposed areas thoroughly with soap and water.

IF IN EYES: Flush eyes with water. Flush eyes with water. Flush eyes with water.

IF IN MOUTH: Spit out the fumigant. Spit out the fumigant. Spit out the fumigant.

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Do not give anything by mouth if any unconscious person.

IF ON SKIN: Wash exposed areas thoroughly with soap and water. Wash exposed areas thoroughly with soap and water. Wash exposed areas thoroughly with soap and water.

SHADOW MOUNTAIN PRODUCTS CORPORATION

P. O. BOX 1927 • HOLLISTER, CA 95024

E.P.A. EST. 11220-CA-1,2,3,4,PL-1
E.P.A. REG. NO. 58266-02

NET CONTENTS LBS.

DIRECTIONS CONTINUE

- 17 In case of the rupture of a hose or fitting while spraying the fumigant, immediately stop the tractor and motor. Get off the tractor and get to a place where the problem can be observed without exposure to the fumes. Approach from upwind with respiratory protection if required and make necessary repairs.
- 18 When changing the cylinders be certain they are turned off and the fumigant system is not under pressure.

PRECAUTIONS TO FOLLOW AFTER FIELD FUMIGATION

- 19 Post all treated areas with warning signs. The signs are available from DITA.
- 20 Keep all animals, children and unauthorized persons away from areas under fumigation until 48 hours after the fumigant has been removed or tarped off.
- 21 Do not feed animals within 24 hours of fumigation and do not allow animals to graze in treated areas until 48 hours after fumigation.
- 22 Do not apply fertilizers or pesticides to treated areas until 48 hours after fumigation.

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 and/or rich in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests after fumigation. To avoid ammonia injury, avoid nitrate starvation to crops. Avoid using fertilizers containing nitrates until after the crop is well established and the soil temperature is about 65 degrees F. Working freely and 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, rivers, ponds, or public water. It is not to be used near or in vicinity of equipment or structures.

CHEMICAL HAZARD

GENERAL INSTRUCTIONS

THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND SHOULD BE USED ONLY BY PERSONS TRAINED IN ITS PROPER USE. BEFORE USING, READ AND FOLLOW ALL LABEL PRECAUTIONS AND DIRECTIONS. ALL PERSONS WORKING WITH THIS FUMIGANT SHOULD BE TRAINED IN THE HAZARDOUS USE OF KNOWN RESPIRATORY EQUIPMENT, DETECTOR DEVICES, EMERGENCY PROCEDURES, AND THE PROPER USE OF THE FUMIGANT.

SOIL FUMIGATION

Chloropicrin is a preplant fumigant for the control of soil-borne pests as listed, such as, wireworms and nematodes, and diseases caused by certain species of *Fusarium*, *Phytophthora*, *Aspergillus*, and *Verticillium*. It is to be used in soil to be fumigated to the crops listed below. Prior to application, the soil should be in condition for planting and with sufficient moisture to insure proper penetration.

APPLICATION

Apply 1.5 to 2.0 gallons of fumigant per acre, depending on soil type, and at a depth of 8 to 12 inches in soil. In soil, the fumigant after application, drag or cultivate immediately to a depth of 8 to 12 inches or wet down treated area to a depth of 12 inches or deeper. Cover area with a plastic tarpaulin. If plastic tarpaulin is used, it should be removed after 24 hours. Do not apply to areas adjacent to fields where valuable crops are growing or adjacent to buildings inhabited by humans or livestock.

Fumigation of small volumes of soil or mushroom casing can also be made by injecting chloropicrin 4 to 8 inches deep in a grid pattern and to extend 12 inch spacing.

RECOMMENDED DOSAGES*

PLANT TO BE PLANTED TO	POUNDS PER ACRE
Strawberries	150-500
Tomatoes	300-500
Floral Crops	500
Herbaceous Crops	500
Onions	200-400
Plant & Seed Beds	300-500
Peppermint	300-500
Carrots	300-500
Peas	150-400
Beans	150-400
Spinach	150-400
Broccoli	150-400
Brussels Sprouts	150-400
Cauliflower	150-400
Corn	150-400
Cucumbers	150-400
Eggplant	150-400
Kelch	150-400
Leeks	150-400
Lettuces	150-400
Onions	150-400
Potatoes	150-400
Radishes	150-400
Spinach	150-400
Sweet Corn	150-400
Sweet Potatoes	150-400
Turnips	150-400
Watermelons	150-400
Winter Squash	150-400
Yams	150-400

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

STORAGE

STORAGE: Store in a cool, dry, well-ventilated area under cover and away from fire as a pest control storage area. Do not contaminate water, food, or feed by storage or disposal. Persons moving or handling containers should wear protective clothing (see container label) and a well-ventilated area wearing protective clothing and respiratory protection if necessary.

RECEIVED BY THE SECRETARY OF THE ARMY
JAN 10 1964

- When a cylinder is fully charged, the valve is closed and the pressure is maintained by its spring to the shutoff.
- In the ship, valves are without safety caps or valve protection.
- When a cylinder is partially full and there is a leak, the pressure for the point. The capacity for return is not sufficient.
- The pressure will not be reduced to the cylinder and the pressure will be lost.

THIS DOCUMENT CONTAINS INFORMATION OF A PRELIMINARY NATURE. IT IS NOT TO BE DISTRIBUTED OUTSIDE THE LABORATORY. THE INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY PREPARED. THE INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY PREPARED.

1. The valve should be closed before the cylinder is moved and only when it is open should the pressure from the cylinder be used. The safety cap should be removed from the cylinder and the cap when the cylinder is not in use.
2. Cylinders should never be subjected to rough handling or to accidental release of shock such as dropping, bumping, dragging or sliding.
3. Except where valves, gauges and similar handling devices should not be used for "tight" cylinders.
4. A double vent valve fitted with a collar on the neck of the cylinder can be firmly secured and should be used for the venting of the gas cylinder.

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Do not concentrate water, fuel or feed by storage in large quantities. Fertilizer wastes are toxic. Improper disposal of excess pesticide spray mixture or residue 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 National Waste representative at the nearest EPA Region or Office for guidance.

After 2000 hours, damage may be incurred by the
use of seawater. Seawater may be used for
the purpose of cleaning the ship.

Two or two applications may be made at the broadcast rates for the amount used will be proportionately less per acre depending on the low spacing and width of treatment. At the two or two

After application, leave the soil undisturbed for 10 to 14 days. Wet soil retards diffusion of the fumigant, thus requiring a longer exposure period. At the end of the exposure period, aerate the soil by plowing or deep cultivation. If heavy rains occur, aided by low temperatures, during the exposure period, aerating the soil several times is essential for thorough aeration. Aeration is usually complete when the odor of the fumigant is no longer detectable.

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN
OTHERWISE. DATE 08-28-2013 BY 60322 UCBAW/STP

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WAXY EXCRETION: For the control of flies, silverfish, mosquitoes, and roaches in furniture and clothing use 1 to 2 p.p. of Chlorpyrifos. In heavily infested vaults increase 3 p.p. rate by an additional 1 pound per 100 cubic feet.

APPLICATION INFORMATION: Indicate the desired amount of the material into a shallow pan or into a bag or one of similar size and material located inside the structure or vault. Use less material in case of G or C or more to be sure, if possible, to fill the entire structure. There is no need to ventilate by using the pump and the fan for 24 to 48 hours prior to the test.

ACCEPTED
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1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

Carefully pour or inject Chloropicrin into drilled holes, then plug the holes with a 2 1/2" - 3" treated wood plug. When pouring or injecting fumigant and plugging holes, wear safety goggles to avoid splashing any liquid into the eyes. Holes in poles and piles should be positioned in a spiral pattern by drilling each hole 6 - 12" vertically from the preceding hole and rotating it by 90 degrees. Drill holes at a steep downward angle and avoid drilling through seasoning racks. If a treating hole intersects an internal rot pocket, plug that hole and drill new hole into solid wood above and, if possible, below the rot. For in-ground poles the first hole should be drilled at the ground level. Fill and plug the lowest hole before filling next higher hole. The suggested number of holes per treated structural timber and decay are indicated in the following table:

POLE CIRCUMFERENCE	POLE DIAMETER	LENGTH OF POLE	WHEEL PER POLE	POINTS OF FURCATIONS/POLE
LESS THAN 32"	5/8"	25"	6	3/4
	5/8"	18"	5	3/4
	3/4"	15"	4	3/4
	3/4"	15"	6	2
	3/4"	18"	5	2
	3/4"	22"	4	2
FROM 32" TO 45"	3/4"	24"	5	2
	7/8"	22"	5	2
	3/4"	24"	6	2
	7/8"	22"	5	2
	7/8"	24"	4	2

For piles erected near the cutoff tops cap the cutoff as recommended by the American Wood Preserver's Assoc. Standard WA to protect for corrosion and prevent termite attack.

It is at blue-laminated beams use at least 6 (6) points of contact per running foot of wood to be treated. Drill treating holes into the top laminate through all glue lines when treatment is necessary. Stagger holes to minimize strength reductions of timbers. A wood fastener may be needed to confine a treated wood. It is a good idea to install a cap.

1. The first step in the process is to identify the problem. This involves gathering information about the situation and the people involved.

The applicant must placard or post all entrances to the fenced area with signs bearing in English and Spanish

1. The signal word HANJIK/PILIGNO and the skull and crossbones symbol.
2. The statement, "Ales under fumigation DO NOT ENTER OR ENTER."
3. The date of fumigation.
4. Name of fumigatory used.
5. Name, address and telephone number of applicator.

Only a certified applicator may remove placards and only when the concentration of chloroprene is below 0.1 ppm (0.7 mg/m³).

After fumigation treatment areas must be aerated until the level of carbon monoxide is below 6.1 ppm. Do not allow entry into the area in any person before this time unless provided with a properly sealed protective device (SCBA or combination air-supplied SCBA or approved canister respirator).

Chloroform may be used for clearing structures prior to fumigating with methyl bromide or sulfury fluoride. Prepare and use as follows: Seal all openings except one entrance. Introduce 10,000 - 15,000 cubic feet of space to be fumigated. When the space is evacuated, seal the entrance and start the fans. Check the fans. Five to ten minutes later, introduce methyl bromide or sulfury fluoride.

THIS MAP IS ORIGINALLY A MAP PREPARED
BY THE GEOGRAPHICAL INSTITUTE OF SWEDEN

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CHLOROPICPIN