PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS:

D A N G E R

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 THE PRODUCT LITERATURE SPECIFIC TO YOUR PARTICULAR REQUIREMENTS.

[illegible]

[illegible]

PRECAUTIONS TO FOLLOW PRIOR TO FUMIGATION

1. Before using fumigant read and follow [illegible] directions on the [illegible] literature.
2. Comply with all local regulations and [illegible] obtain an application permit from Agricultural Regulatory [illegible] as required.
3. It is advisable to supply your physician with [illegible] on Chloropicrin which is available from [illegible]
4. [illegible] and do not allow [illegible] further exposure until recovery [illegible]
5. [illegible] and proper protective equipment [illegible]
6. [illegible] application equipment must [illegible] all precautions and procedures. In addition [illegible] their helpers in the mechanics [illegible] of the tractor and how to work with the tractor and [illegible]
7. Handle the fumigant in the open [illegible] from the container [illegible] ventilation.
8. [illegible] the fumigant pressure system [illegible]

RESPIRATORY EXPOSURE:

RESPIRATORY PROTECTION. DO NOT BREATHE FUMES. [illegible] VEHICLE.

[illegible] of chloropicrin in the working area as measured by direct reading devices [illegible] respiratory protection is required [illegible]

EYE EXPOSURE:

I. Wear safety glasses when working with [illegible] helpless.

II. In case of eye exposure flush eyes with [illegible] water.

SKIN EXPOSURE:

[illegible]

PRECAUTIONS TO FOLLOW DURING FIELD FUMIGATION

[illegible]

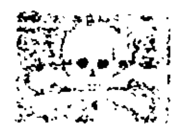
RESTRICTED USE PESTICIDE

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.

CHLOROPICRIN 100 FUMIGANT

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

[illegible]

D A N G E R  P E L I G R O

P O I S O N

[illegible] 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 to an unconscious person.

[illegible] Immediately remove contaminated clothing, shoes, and other items covering the skin. Wash contaminated skin area thoroughly with soap and water.

[illegible] Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

[illegible] este producto [illegible] la etiqueta le haya sido explicada ampliamente.

[illegible] Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress, and vomiting. Pulmonary edema may develop later. Treatment [illegible]

[illegible] PRODUCTS [illegible]

E.P.A. EST. 8536 CA 1, 2, 3, 4; FL-1

E.P.A. REG. NO. [illegible]

GENERAL INSTRUCTIONS

SOIL FUMIGATION

APPLICATION

RECOMMENDED DOSAGES*

PRECAUTIONS TO FOLLOW AFTER FIELD FUMIGATION

NOTE CAREFULLY:

ENVIRONMENTAL HAZARD

CHEMICAL HAZARD

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE

Store in a cool, dry, well-ventilated area under lock and key. Post as a pesticide storage area. Do not contaminate water, food or feed by storage or disposal. 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.

RETURN OF CYLINDERS

Cylinders are the property of

[illegible]

After cylinder is empty, the valve should be closed, the safety cap screwed into the valve outlet and the protective cap replaced prior to its return to the shipper.

Do not ship cylinders without safety cap in valve protection bonnet.

When cylinder is partially full and there is no further requirement for the product, it should be returned to the shipper.

Cylinder should not be put to any use by the consignee other than its intended purpose.

SHIPPING

This product is classified by the U.S. Department of Transportation's Hazardous Materials Regulations as Chloropicrin, liquid, n.o.s., poison and is exempt from specification packaging and labeling are allowed. Describe empty cylinders as having last contained Chloropicrin liquid. Do not ship with food, feeds or clothing.

HANDLING

1. The valve protection bonnet and safety cap should be removed only when fumigant is about to be removed from the cylinder. The safety cap and valve protection bonnet must be replaced when the 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. Ropes, slings, hooks, tongs, 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.

SPILL OR LEAK PROCEDURE

Evacuate immediate area of spill or leak. Use SCBA combination air supplied SCBA respirator or approved canister respirator for entry into affected area to correct problem. Move leaking or damaged containers outdoors or to an isolated location, observing strict safety precautions. Work upwind if possible. Allow spilled material to evaporate, or to absorb onto vermiculite, dry sand, earth, or similar absorbent material which may be disposed of on site or at an approved disposal facility. Do not permit entry into spill area or cleanup by unprotected persons until concentration of chloropicrin is determined to be less than 0.1 ppm.

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 E.P.A. Regional Office for guidance.

If treated area is covered with a plastic tarpaulin immediately after application, dosage may be reduced by 33%.

**In the case of Mushroom soil, seal with water plus plastic or wet newspapers.

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

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 accompanied by low temperatures occur during the exposure period, working the soil several times is essential for thorough aeration. Aeration is usually complete when the odor of the fumigant is no longer evident.

FUMIGATION OF ENCLOSED SPACES

When used for fumigation of enclosed spaces (houses and other structures, warehouses, vaults, chambers, greenhouses, trucks, cars, boxcars, ships, or other transport vehicles), two persons trained in the use of this product must be present at all times during introduction of the fumigant, fumigation, and aeration periods. Do not fumigate sites which may be used for the storage or transport of raw agricultural commodities.

[illegible]

(A) FUMIGATION (Not Covered by Raw Agricultural Commodities): For control of mites, cockroaches, silverfish, and fungi in [illegible] at the rate of [illegible] cubic feet when absorbent materials are present.

APPLICATION INFORMATION: Prior to application, all windows, doors and other openings should be sealed to make the building gas tight. Temperature at time of application should be 50 degrees F. or higher. Introduce Chloropicrin into a shallow pan, or onto burlap sacks, or similar absorbent material located inside the structure. Use fans to hasten evaporation of Chloropicrin and to keep fumigant in circulation. Ventilate area thoroughly for 12 to 24 hours prior to [illegible] by opening doors, using fans. Signs of dryness, and high temperatures speed aeration.

SEE AERATION STATEMENT.

(B) VAULT FUMIGATION: For the control of fleas, mites, silverfish, cockroaches, and moths in furniture and clothing use 1 to 2 pounds of Chloropicrin. In heavily loaded vaults, increase dosage rates by an additional 1 pound per 100 cubic feet.

APPLICATION INFORMATION: Introduce the desired amount of Chloropicrin into a shallow pan or onto burlap sacks or similar absorbent material located inside the structure or vault. Use fans to hasten evaporation of Chloropicrin and to keep fumigant in circulation. Exposure time is 24 hours. Ventilate by opening doors and using fans for 12 to 24 hours prior to re-entry.

SEE AERATION STATEMENT.

TREATMENT OF WOOD, TIMBERS, POLES, PILES AND GLUE-LAMINATED BEAMS FOR CONTROL OF INTERNAL WOOD DECAY BY FUNGI AND INSECTS

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 checks. If a treating hole intersects an internal rot pocket, plug that hole and drill new hole [illegible] solid wood [illegible] and if possible below the rot. For [illegible] 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 dosage are indicated in the following table.

POLE CIRCUMFERENCE	HOLE DIAMETER	LENGTH OF HOLE	HOLES PER POLE	PINTS OF FUMIGANT POLE
Less than 32	5/8"	15	6	3/4
	5/8	18	5	3/4
	3/4"	15"	4	3/4
32 - 45	3/4	15"	6	1
	3/4"	18"	5	1
	3/4"	21	4	1
	3/4"	24	3	1
	7/8"	21	[illegible]	1
More than 45	3/4	24	6	2
	[illegible]	21	5	2
	[illegible]	24"	4	2

For piles treated near the cutoff tops, cap the [illegible] as recommended by the American Wood Preservers Assn. Standard MA [illegible] to contain the chemical and prevent reinfection.

To treat glue laminated beams use at least [illegible] pints of chemical per [illegible] feet of wood to be treated. Drill treating holes into the [illegible] laminate through all glue lines when treatment is necessary. [illegible] holes to minimize strength reduction of timbers. A vapor [illegible] wrap may be needed to confine chemical vapor [illegible] treat [illegible] an inhabited building.

[illegible] with appropriate [illegible] wear protective [illegible] goggles.

PLACARDING OF TREATED STRUCTURES

The applicator must placard or post all entrances to the fumigated area with signs bearing in English and Spanish:

1. The signal word DANGER/PELIGRO and the skull and crossbones symbol
2. The statement "Area under fumigation DO NOT ENTER/NO ENTRE"
3. The date of fumigation
4. Name of fumigant used
5. Name, address, and telephone number of applicator

Only a certified applicator may remove placards, and only when the concentration of chloropicrin is below 0.1 ppm (0.7 mg/cu m).

AERATION AND REENTRY

After fumigation, treatment areas must be aerated until the level of chloropicrin is below 0.1 ppm. Do not allow entry into treated area by any person before this time unless provided with a respiratory protection device (SCBA, a combination air-supplied/SCBA, or approved canister respirator).

WARNING AGENT

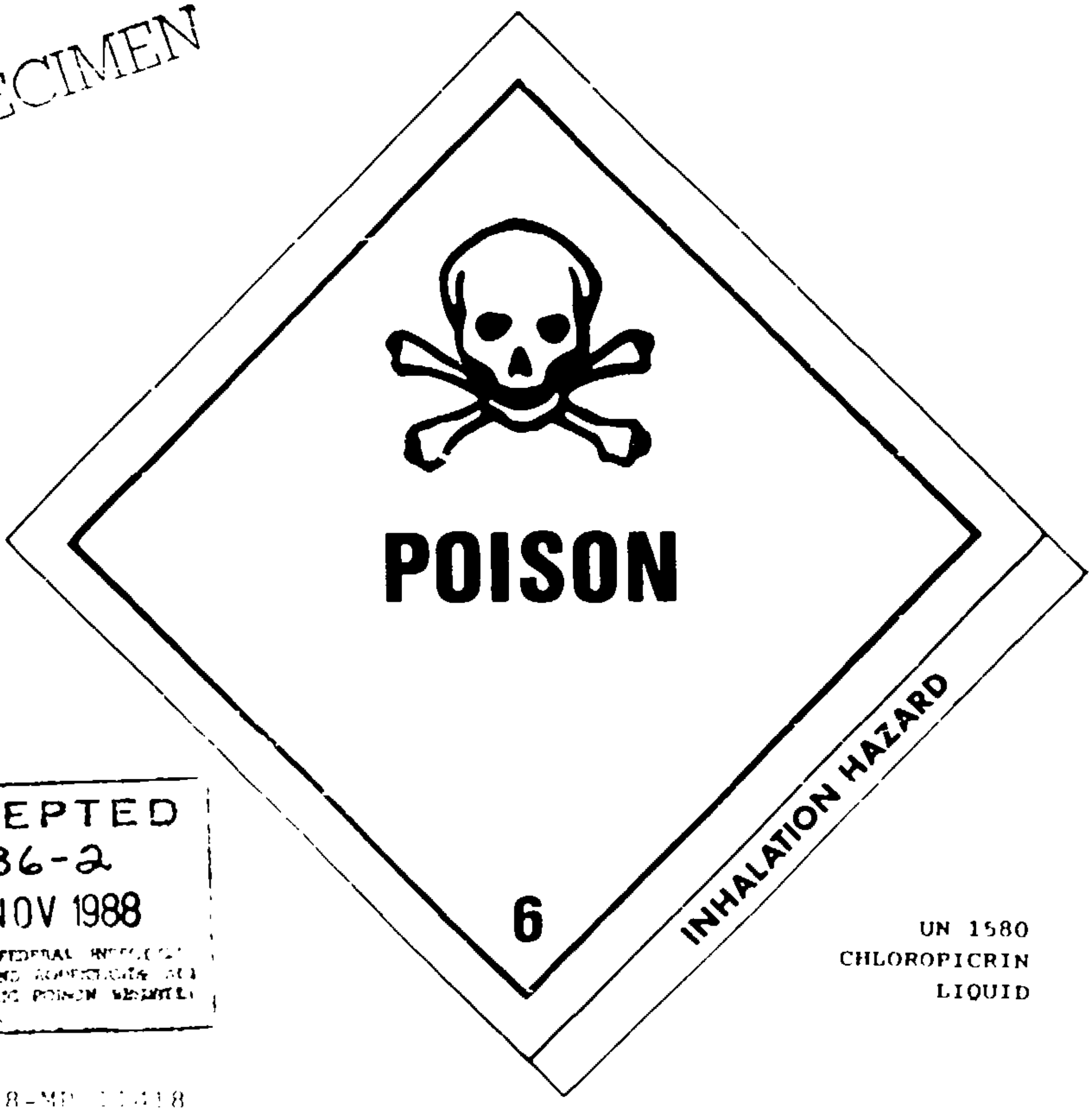
Chloropicrin may be used for clearing structures prior to fumigating with methyl bromide or sulfuryl fluoride. Prepare structure for fumigation and seal all except one entrance. Use 1 ounce per 10,000 - 15,000 cubic feet of space to be fumigated. When building is evacuated, seal the entrance and start the fans. Check seals for tightness. Five to ten minutes later introduce methyl bromide or sulfuryl fluoride.

CHLOROPICRIN 100 is compatible when mixed with Chlorinated C_1 Hydrocarbons

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.

SPECIMEN



UN 1580
CHLOROPICRIN
LIQUID

ACCEPTED
8536-2
21 NOV 1988
UNDER THE FEDERAL INSECTICIDE, FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO.

CA 7/88-MP 11418