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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 8622-43	DATE OF ISSUANCE October 3, 1988
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Metaperin	

3 OCT 1988

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

AN...
 1250...
 ...

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

- This product is conditionally registered in accordance with FIFRA section 3(c)(1)(A) until the date:
1. Administrator cite all data required for registration of a product under FIFRA section 3(c)(1)(A) and Agency requires all requirements of similar products or provide such data.
 2. ~~Provide the following preliminary statements:~~
 - a. "Information may be available."
 - b. "Information available if available."
 3. Label the words "conditionally" in the last paragraph under "Information Available."
 4. Add the phrase "EPA Registration No. 8622-43" to the label immediately below the "conditionally" phrase.
 5. Submit two copies of a final print of the label you believe the product will appear, along with the registration fee in a separate envelope, to the Registration Division.

ATTACHMENT IS APPLICABLE

BEST AVAILABLE COPY

SIGNATURE OF APPROVING OFFICIAL	DATE
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Jeff Kempter
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
DANGER

Poison liquid and vapor. Contact with liquid may produce burns. Do not get into eyes, on skin, or clothing. Wash all contaminated clothing with soap and water before re-use. Do not re-use contaminated clothing or shoes until free of chemical odor.

This product is chloropicrin, a volatile-liquid tear gas. Chloropicrin vapor is very irritating to the upper respiratory tract, and even at low levels can cause painful irritation to the nose and throat, and to the eyes, producing tearing. If these systems occur, leave the fumigation area immediately. Continued exposure after irritation is evident, or higher concentrations, may cause painful irritation to the eyes or temporary blindness, which may cause panic that may in turn lead to further accidents.

NOTICE TO PHYSICIAN: Metapicrin 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 is symptomatic.

ENVIRONMENTAL HAZARDS: 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 NPDES 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.

PHYSICAL OR CHEMICAL HAZARDS

Chloropicrin may be corrosive under certain conditions. DO NOT USE WATER to clean equipment. Flush equipment with kerosene or fuel oil. Do not use handling equipment or containers made from magnesium alloy, aluminum, or alkali metals. Chloropicrin is a non-flammable liquid.

DIRECTIONS FOR USE

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

PROTECTIVE CLOTHING. Wear full-body clothing that is cleaned after each wearing or disposable protective clothing. Use gloves and apron that are resistant to chloropicrin. If full-face respiratory protection is not required, wear goggles or full-face shield for eye protection when handling liquid.

ACCEPTED
8622-43
3 OCT 1988
UNDER THE FEDERAL INSECTICIDE
CONTROL AND REPELLENT ACT
FOR REGISTRATION AND REGISTRY
ED UNDER NO. 10 SUBJECT
TO ATTACHED COMMENTS.

PESTICIDE STORAGE, HANDLING AND DISPOSAL

PESTICIDE STORAGE AND HANDLING: Store in dry, cool, ventilated area under lock and key. Post as a pesticide storage area.

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE.

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, or dragging, or sliding. Do not use rope slings, hooks, tongs or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

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.

CONTAINER DISPOSAL:

When cylinder is empty close valve by turning clockwise until hand tight, screw 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 cylinders.

PESTICIDE DISPOSAL:

Pesticide wastes are toxic. Improper disposal of excess pesticide 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, or follow registrant's instructions for return of partially empty cylinders.

RETURN OF CYLINDERS:

(1) Cylinders are the property of the manufacturer or distributor where purchased and should be returned promptly by collect freight.

(2) Do not ship cylinders without safety caps or valve protection bonnets.

(3) When a cylinder is partially full and there is no further requirement for the product, contact the manufacturer or distributor for return instruction.

(4) Containers should never be refilled by the consumer or used for any other product or purpose.

SPECIFIC DIRECTIONS FOR USE

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 precaution and directions.

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.

Respirator Protection: If the concentrations of chloropicrin in the working area, as measured by a direct-reading detector device (e.g. Draeger, etc.) does not exceed 0.1 ppm (0.7 mg/m³), no respiratory protection is required.

If the concentrations is exceeded at any time, all persons in the working area must wear protective clothing and a NIOSH/MSHA approved self-contained breathing apparatus (SCBA) or combination air-supplied/SCBA respirator.

When used for fumigation of enclosed spaces where no commodities are or will be stored, (house and structures, warehouses, vaults, chambers, greenhouses, trucks, vans, boxcars, ships and other transport vehicles), two persons trained in the use of this product must be present at all times during introduction of the fumigant, testing and aerations periods.

Do not fumigate with this product when soil temperature is below 50 F at a depth of 6 inches.

PLACARDING OF FUMIGATED AREA

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 the applicator.

Only a certified applicator or someone under his/her supervision may remove placards, and only when the concentration of Chloropicrin in the treated site or commodity is below 0.1 ppm.

Aeration and Reentry

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

Spill and Leak Procedures

Evacuate immediate area of spill or leak. Use Self-Contained Breathing Apparatus--Positive Pressure (SCBA-PP) or air supplied 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 absorb onto vermiculate, 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 area by unprotected persons until concentration of Chloropicrin is determined to be less than 0.1 ppm.

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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.

METAPICRIN

For soil, space and vault fumigants

ACTIVE INGREDIENTS:	By Wt.
CHLOROPICRIN.....	99.0%
INERT INGREDIENT	1.0%
	100 %

ACUTELY TOXIC CHEMICAL

13.8 lbs. Active Ingredient per gal. (LIQUID IN CYLINDER)

KEEP OUT OF REACH OF CHILDREN

Red DANGER *S* POISON

PELIGRO

PRECAUCION AL USUARIO: Si usted no lee Ingles, no use est producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

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 to an unconscious person.

If on skin: Immediately remove all contaminated clothing, shoes, and other items covering 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.

See side panels for additional precautionary statements.

EPA REG. NO. 8622-
NET WEIGHT

() EPA EST. NO. 10163-AZ-1
() EPA EST. NO. 15298-IS-01
() EPA EST. NO. 29516-FL-04
() EPA EST. NO. 29516-NC-01

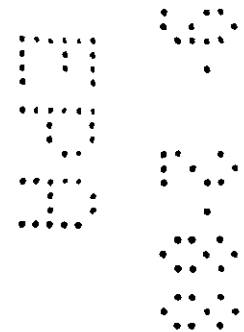
IN CASE OF EMERGENCY CONTACT:

CHEMTREC OR AMERIBROM, INC.
(800) 424-9300 CALL COLLECT: (212) 563-4600

DISTRIBUTED BY: AMERIBROM, INC.
1250 BROADWAY
NEW YORK, N.Y. 10001

Net Contents: _____ lbs./ _____ Kgs.

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor 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.



SOIL FUMIGATION

Metapicrin may be used as a preplant soil fumigant for the control of soil-borne diseases such as Verticillium, Fusarium, Rhizoctonia and Pythium. Control of soil-borne grubs, wireworms, nematodes, weed and grass seeds may also be obtained.

Metapicrin Dosage Rates and Method of Application

Crop	Manner of Sealing	Dosage
All crops (including greenhouse, nursery, and outside beds)	Cultipacking or water seal	485-1076 lbs/A
	Plastic (A)	150-200 lbs/A
Greenhouse beds	Plastic (A)	3-4 cc/sq. ft.
Mushroom casing soil	Water plus plastic or wet newspapers	5-10 cc/cu. ft.
Potting soil	Water or plastic (A)	3-4 cc/sq. ft.
Seedbeds - Celery (Florida)	Water or plastic (A)	1021 lbs./A or 6 cc/sq. ft.
Seedbeds (Other)	Water or plastic (A)	3-4 cc/sq. ft.
Seed flats	Plastic (A)	2-4 cc/sq. ft.
		10 cc/cu. ft.

(A) Best results are obtained by covering beds with a tarpaulin or plastic cover for 24 hours after treatment. A water seal maintained for 24 hours in top inch soil may also be used. Keep tarpaulin on potting soil and seed flats for 24 hours.

SPACE AND VAULT FUMIGATION DIRECTIONS

When using METAPICRIN as a space, greenhouse or vault fumigation, the applicator must placard or post all entrances to the fumigated area with signs bearing the information previously listed under "Placarding of Fumigated areas."

A. SPACE FUMIGATION (Not containing raw agricultural commodities): For control of mites, cockroaches, silverfish and fungi, use 1 pound of METAPICRIN per 1000 cubic feet. Increase dosage 1-1/4 to 1-1/2 pounds per 1000 cubic feet when absorbent materials are present. Do not treat empty spaces where commodities will be stored.

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 80 F. or higher. Introduce METAPICRIN into a shallow pan or onto burlap sacks or similar absorbent material located inside the structure. Use fans to hasten evaporation of METAPRICN and to keep fumigant in circulation. Ventilate area thoroughly for 12 to 24 hours before resuming operations. Fans, dryness, and igh temperature speed aeration.

B. VAULT FUMIGATION: For the control of fleas, mites, silverfish, cockroaches, and moths in furniture and clothing, use 1 to 2 pounds of METAPICRIN in heavily loaded vaults, increase dosage rates by an additional 1 pound per 1000 cubic feet. Do not fumigate grain or commodities.

APPLICATION INFORMATION: Introduce the desired amount of METAPICRIN into a shallow pan or onto burlap sacks or similar absorbent material located inside the structure or vault. Use fans to hasten evaporation of METAPICRIN 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 reentry.

C. WARNING AGENT: METAPICRIN 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. When building is evacuated, seal the last entrance and start the fans. Check seals for tightness. Five to ten minutes later, introduce methyl bromide or sulfuryl fluoride.

