

8536-17

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 8536-17	DATE OF ISSUANCE August 29, 1988
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Methyl parathion 99.75%	

29 AUG 1988

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Smith Chemicals Corporation
 P.O. Box 7
 Philadelphia, PA 19124-0007

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.

1. The product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) on the following basis:

2. Specific information submitted in support of registration/ reregistration of your product complies with 3(c)(7)(A) under the following conditions: (1) the data submitted are sufficient to show that the pesticide is safe for use as proposed;

3. The pesticide is a "low concentration" (i.e., 2%) by weight of the active ingredient in the product formulation.

4. The data submitted in support of registration/ reregistration of your product complies with the Act and Regulations under the Act, including the requirements for labeling, packaging, and distribution.

5. The registrant has agreed to comply with the conditions of the registration/ reregistration, including the requirement to submit data to support the registration/ reregistration of the product if the product is marketed in a new formulation or in a new use.

6. The registrant has agreed to comply with the conditions of the registration/ reregistration, including the requirement to submit data to support the registration/ reregistration of the product if the product is marketed in a new formulation or in a new use.

BEST AVAILABLE COPY

[Handwritten Signature]
 Director
 Registration Division
 Office of Pesticides Programs
 U.S. Environmental Protection Agency (TS-767)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE _____

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.

METHYL BROMIDE 99.75%

FOR USE ONLY BY PROFESSIONAL FUMIGATORS

ACTIVE INGREDIENTS:

METHYL BROMIDE 99.75%

INERT INGREDIENTS:

CHLOROPICRIN
ODORIZING AGENT 0.25%

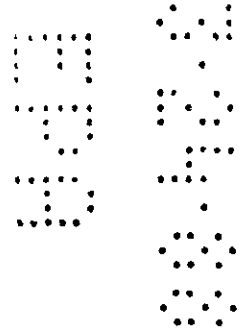
TOTAL 100.00%

ACCEPTED

8536-17

29 AUG 1988

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. _____ SUBJECT
TO ATTACHED COMMENTS.



Revised 3/18/88

T.P.

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

PRECAUCION AL USUARIO: Si usted: 1. Se ingiere, o 2. Usa 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

For Pest
Management

P.O. Box 782
Hollister, CA 95024

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

CALIF. REG. NO. 8536-RT

NET CONTENTS..... LBS.

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 AS A WARNING
ODORANT. CHLOROPICRIN MAY BE IRRITATING TO THE
UPPER RESPIRATORY TRACT, AND EVEN AT LOW LEVELS
CAN CAUSE PAINFUL IRRITATION TO THE EYES, PRODUC-
ING TEARING. IF THESE SYMPTOMS OCCUR, LEAVE THE
FUMIGATION AREA IMMEDIATELY.

**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 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 Draeger 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 respirator.

CLOTHING PRECAUTIONS:

1. Wear loose clothing and socks that are cleaned after each wearing. Do not wear jewelry, gloves, or tight clothing when handling. Methyl Bromide is heavier than air and may be trapped inside clothing and cause skin injury. If full-face respiratory protection is not required, wear goggles or full face shield for eye protection when handling liquid.
2. Following application, immediately remove clothing, shoes, and socks. Do not reuse contaminated clothing or shoes until thoroughly cleaned and aerated. Drenched clothing cannot be adequately decontaminated.
3. Do not wear gloves of any type, or rubber protective clothing, or rubber boots.
4. If liquid or flammable splashes or spills on clothing, remove them as soon as possible. These will be an intolerable source of irritation.

WARNING SIGNS: structural, Transportation, Space Fumigation

1. 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 ENTREE".
 - (3) The date of fumigation.
 - (4) Name of fumigant used.
 - (5) Name, address, and telephone number of the applicator.
2. Do not remove a placard until the treated space is completely aerated. To determine whether aeration is complete, each fumigated site must be monitored and shown to contain less than 5 ppm methyl bromide. If less than 5 ppm methyl bromide is detected, the placard may be removed.
3. Boxcars must be placarded with D.O.T. specified warning signs. Warning signs are available from your dealer or distributor.

SPILL OR LEAK PROCEDURE:

1. Evacuate the immediate area of the spill or leak. Use SCBA or combination air-supplied/SCBA respirator for entry into the affected area to correct problem. Move leaking or damaged cylinders or containers outdoors or to an isolated location, observing strict safety precautions. Work upwind if possible. 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).
2. Contaminated soil, water, and other cleanup debris is a toxic hazardous waste. Report spill to the National Response Center (800-424-3802) if reportable quantity of 1000 lbs. is exceeded.

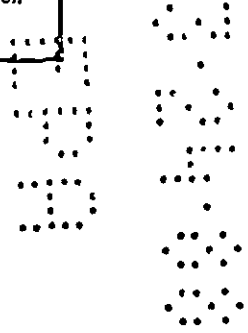
**PRECAUTIONS
STRUCTURAL, TRANSPORTATION,
OR SPACE FUMIGATION USE**

GENERAL PRECAUTIONS:

1. Keep animals, children, and unauthorized people away from area under treatment until area is certified free of methyl bromide (See Aeration Statement).
2. When used for fumigation of enclosed spaces (houses and other structures, warehouses, vaults, chambers, greenhouses, trucks, vans, boxcars, ships, and other transport vehicles, and tarpaulin-covered areas), two persons trained in the use of this product must be present during introduction of the fumigant, initiation of aeration, and after aeration when testing for reentry. Two persons do not need to be present if monitoring is conducted remotely (outside the area being fumigated).
3. Do not fumigate with this product when the temperature is below 40 degrees F.
4. Whenever possible, apply methyl bromide from outside of structure or car being fumigated. Make sure the fumigated area is properly sealed and posted. Do not move trucks, trailers, or vans during fumigation. They must be completely aerated before movement is allowed.

AERATION AND REENTRY:

1. After fumigation, treated areas must be aerated until the level of methyl bromide is below 5 ppm (20 mg/cu.m).
2. Do not allow entry into the treated area by any person before this time unless loose clothing and a respiratory protection device (SCBA or combination air-supplied/SCBA) is worn.



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. Post 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 unload 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.

RETURN OF CYLINDERS:

Cylinders are the property of:

Soil Chemicals Corporation
8770 HIGHWAY 25
Hollister, CA 95023

Soil Chemicals Corporation
2060 East 220th Street
Long Beach, CA 90810

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 SCC for return instructions.

SHIPPING:

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Methyl Bromide Liquid or Methyl Bromide and Nonflammable, Non-liquified compressed gas mixture, Liquid, 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 Liquid or Methyl Bromide and Nonflammable, Non-liquified compressed gas mixture, Liquid (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 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.

For space fumigation use, monitor area immediately surrounding the fumigation site with a Halide Detector during exposure and aeration periods to establish that dangerous levels of the fumigant are not present (see Aeration Statement for Halide Detector use).

The high volatility of the fumigant permits it to be vented from space being fumigated and to dissipate rapidly with no hazard to surrounding areas with correct monitoring.

CHEMICAL HAZARD

Methyl bromide is practically nonflammable. There is no danger from fire or explosion in use concentrations. However, flame can change the chemical to produce some corrosive damage to items in the space being fumigated. Pilot lights and glowing wire heaters should be turned off.

Do not apply gas directly to metal surfaces because of possible corrosive effect on certain metals. Do not use containers or application equipment made of magnesium, aluminum, or their alloys.

The following materials can develop an undesirable odor when encountered in structural fumigation and should be removed from the space being fumigated:

1. Foodstuffs: (a) Iodized salt; (b) Full-fat soya flour; (c) Any kinds of materials that contain reactive sulfur compounds, such as some soap powders, some baking sodas, and some salt blocks used for cattle licks.
2. Certain rubber goods: (a) Sponge rubber; (b) Foam rubber, as in rug padding, pillows, cushions, and mattresses; (c) Rubber stamps and other similar forms of reclaimed rubber.
3. Furs, horsehair, and pillows (especially feather pillows).
4. Leather goods (particularly white kid or any other leather goods tanned with sulfur processes).
5. Woolens (extreme caution should be used in the fumigation of any angora woolens, and some adverse effect has been noted on the fumigation of woolen suits, coats, blankets, hand-knit woolen socks, sweaters, shawls, and woolen yarn).
6. Viscose rayons (those rayons processed or manufactured by a process in which carbon bisulfide is used).
7. Paper: (a) Silver-polishing papers; (b) Certain writing papers cured by sulphide processes; (c) Carbonless paper or blue-prints.
8. Photographic chemicals as used in photo processing darkrooms (does not include camera film).
9. Cinder blocks, or mixed concrete which occasionally picks up odors.
10. Any materials that may contain reactive sulfur compounds. THESE PRODUCTS MAY HINDER EFFECTIVENESS OF THE FUMIGANT: Charcoal materials (charcoal absorbs the methyl bromide, reducing the effective concentration and contaminating the charcoal).
11. If there is a question whether a material may develop an odor, a test fumigation may be run with a small quantity of the material.

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 MANUAL. 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.

STRUCTURAL FUMIGATION

AREAS TO BE FUMIGATED: Dwellings, garages, barns and storage buildings.

INSECTS AND PESTS CONTROLLED: Lyctus or powder post beetle, old house borer, death watch beetle, roaches, earwigs, spiders, ants, millipedes, carpet beetles, clothes moths, silverfish, booklice, bedbugs, fleas, mice and rats, drywood termites.

PREPARATION FOR STRUCTURAL FUMIGATION: Remove from the structure to be fumigated all persons, domestic animals, pets, fish, and growing plants. Remove from the premises or place in polyethylene bags (thickness no less than 4 mils.) all foods and medicants. Polyethylene bags must be sealed with masking tape or clamps. Open all doors and accesses to crawl spaces, attics and subfloors. For fabric pest control, open storage chests, drawers, and closets. For masonry or metal structures, caulk or tape all cracks and other air leaks, around doors, windows, vents. Wood structures and others that cannot be sealed effectively may be enveloped in a gas cover tarpaulin or polyethylene plastic sheet at least 4 mils. thick. Seal all edges of the envelope with moist soil or sand snakes. Soak soil with water one foot from the edge of the envelope as necessary to protect nearby plants.

RATES OF APPLICATION: For general fumigation under ideal conditions at temperatures of 70°F. and above use 1 to 3 pounds of Methyl Bromide 99.75% per 1000 cu. ft. for 16 - 24 hours exposure time. Under adverse conditions, increase dosage to 3½ to 3½ pounds per 1000 cu. ft.

FUMIGATION: Release Methyl Bromide 99.75% from outside the structure through a heat exchanger to convert from liquid to gaseous state, or introduce through a suitable leak proof tube (such as polyethylene) attached to an evaporating pan to prevent splashing over interior. Operate an electric fan during introduction and for a minimum of 30 minutes thereafter to accelerate distribution of the gas. For an average structure, the entire amount may be released in one place, but for a large or complex structures, release it at two or more locations, so chosen as to ensure even gas distribution.

AERATION AND REENTRY

At the end of the exposure period, remove all seals and open all doors and windows that are operational. Allow for complete ventilation. Use ventilation fans whenever possible to remove fumigant from dead air pockets.

After fumigation, treated areas must be aerated until the level of methyl bromide is below 5 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).

Certain materials absorb Methyl Bromide during fumigation, and desorption during aeration may call for extended monitoring and aeration periods.

DRAEGER GAS DETECTOR, BENDIX GASTECH DETECTOR

Hand Pump and Detector Tube: Methyl Bromide may be detected at the Threshold Limit Value (T.L.V.) of 5 ppm. Detectors are available from Soil Chemicals Corporation.

HALIDE LAMP DETECTOR

Color of the flame is an index of the concentration of Methyl Bromide present. The following tabulated information provides an index of flame color and concentration of Methyl Bromide present:

METHYL BROMIDE P.P.M	LB/1000 CU. FT.	FLAME COLOR IN DAYLIGHT*
0	0	None
25	0.00625	None
50	0.0125	Moderate Green
125	0.031	Green
250	0.0625	Strong Green
500	0.125	Strong Blue-Green Fringe
800	0.20	Strong Blue-Green
1000	0.25	Blue

* Nighttime color is identical, but allowance must be made for the bluish cast of the flame itself.

Halide lamp detector is suitable for locating leaks and for determining extent of aeration down to approximately 50 ppm. It is not suitable for clearing a structure for reentry.

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.



**METHYL BROMIDE
AND NONFLAMMABLE,
NON-LIQUIFIED
COMPRESSED GAS
MIXTURE, LIQUID
NA 1955**