

PM 04

67760-43

8/30/99

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1 of 9



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
67760-43

Date of Issuance:
AUG 30 1999

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Cheminova Methyl
Parathion 4 EC

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Cheminova Inc.
1700 Route 23, Suite 210
Wayne, NJ 07470

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

a. Add the designation, "EPA Reg. No. 67760-43".

b. The Directions for Use section of the label must include the following statement:

This product may not be reformulated or used under a State Special Local Need Registration for any uses not specified on this label.

c. The Special Local Need (SLN) directions for the added use on cotton as an ULV application diluted in refined vegetable oil must be identified on the label by adding the SLN number TX 970006 to these SLN use directions as was specified in the previous letter dated June 16, 1999.

Signature of Approving Official:

Manly S. Mont

Date:

AUG 30 1999

d. The skull and crossbones must appear on the front panel in immediate proximity to the word, poison.

e. The word, poison must appear in red on a background of distinctly contrasting color.

f. The Statement of Practical Treatment or First Aid must appear on the front panel of the label as described in 40 CFR 156.10(iii)

g. Correct the chemical name for methyl parathion in the label ingredient statement to read as stated below.

0,0-Dimethyl 0-p-nitrophenyl phosphorothioate

As requested in your letter of August 17, 1999, the conditions of paragraph 8 of the August 1999 Memorandum Of Agreement Between the Environmental Protection Agency and Signatory Registrants Regarding the Registration of Pesticide Products Containing Methyl Parathion (MOA) are accepted by the Agency as conditions of the subject registration.

Failure to comply with any of the conditions of registration set forth in Paragraph 8 of the MOA shall be grounds for cancellation of the affected registration(s) under FIFRA section 6(e).

3. Submit two copies of the revised finished label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,

Marilyn A. Mautz
Biologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

RESTRICTED USE PESTICIDE

Due to very acute toxicity to Humans and Birds.

For retail sale only by certified applicator or persons under their direct supervision and only for uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

CHEMINOVA METHYL PARATHION 4 EC

Emulsifiable Concentrate - An Agricultural Insecticide
NOT FOR USE OR STORAGE IN OR AROUND HOME

EPA Reg. No. 67760 - xx

EPA Est. No. 51036 - GA - 1
Net Contents: _____

ACTIVE INGREDIENTS:

*O, O - Dimethyl O-p-nitrophenyl thiophosphate	43.8%
Related Compounds	1.7%
INERT INGREDIENTS	54.5%
TOTAL	100.0%

*Methyl Parathion

Contains 4 pounds of Methyl Parathion per gallon

Keep Out Of Reach Of Children

DANGER POISON

PELIGRO VENENO

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 30 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
67760-43

CAN KILL YOU IF SWALLOWED - This product can kill you if swallowed even in small amounts; spray mist may be fatal if swallowed.

CAN KILL YOU BY SKIN CONTACT - This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).

CAN KILL YOU IF BREATHED - This product can kill you if vapor or spray mist are breathed.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

SPECIAL INSTRUCTIONS FOR RESTRICTED USE PESTICIDE RETAILERS:

In addition to any other required records, restricted use pesticide retailers must record at the time of sale the unique container identification number on this label or container and the identity of the purchaser of the container.

**IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT
1-800-228-5635, EXT. 153**

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
WORKER SAFETY RULES

The National Pesticide Telecommunication Network is available for recommendations regarding poisoning management, emergency treatment and other information regarding toxicity of methyl parathion. The toll free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors, provide mechanical exhaust ventilation. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid Section.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow instructions for category G on an EPA chemical resistance category selection chart. Applicators and other handlers must wear:

Coveralls over long-sleeved shirt and long pants
 Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils
 Chemical-resistant footwear plus socks
 Protective eyewear
 Chemical-resistant headgear for overhead exposure
 Chemical-resistant apron when cleaning equipment, mixing or loading
 For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA / NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA / NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor cartridge or canister with any R, P, or HE prefilter.
 For exposures outdoors, a dust / mist filtering respirator (MSHA / NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any R, P, or HE prefilter).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products' concentrate. Do not reuse them. Follow manufacturers instructions for cleaning / maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS:

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for Agricultural Pesticides [40 CFR 170.240 (d) (4 - 6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED.

POISON SIGNS (Symptoms): Methyl Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Exposed persons must receive prompt medical treatment or they may die. Some of the signs and symptoms of poisoning are:

- | | |
|--|------------------------|
| Headache | Nausea |
| Vomiting | Cramps |
| Weakness | Blurred Vision |
| Pin-point Pupils | Tightness in Chest |
| Labored Breathing | Nervousness |
| Sweating | Watering of Eyes |
| Drooling or Frothing of Mouth and Nose | Muscle Spasms and Coma |

FIRST AID

This product contains an organophosphate and is a cholinesterase inhibitor.

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to methyl parathion and describe his condition. After first aid is given and if a doctor can not come, take the victim to clinic or hospital.

IF BREATHING HAS STOPPED: Start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED: Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IN CASE OF CONTACT: Immediately flush eyes or skin with plenty of water. See doctor immediately.

NOTE TO PHYSICIAN: Antidote - administer atropine sulfate in large doses. TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Methyl Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates and wildlife. Birds in treated areas may be killed. *Shrimp and other aquatic organisms may be killed at recommended application rates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark, unless otherwise permitted in Directions for Use.* Runoff and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

COMBUSTIBLE

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. **Application by Backpack Sprayer or other Hand-Held Sprayer is Prohibited.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during restricted entry interval (REI) of 5 days in areas where average rainfall is less than 25 inches per year, and 4 days where average annual rainfall is equal to or greater than 25 inches per year.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils.
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Certified crop advisors or persons under their direct supervision under certain circumstances may be exempt from the early entry requirement pursuant to 40 CFR Part 170.

In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to methyl parathion and describe his condition. For further information, see the FIRST AID portion of this pesticide label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below temperatures of 0°F. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment listed under "PRECAUTIONARY STATEMENTS" when handling open containers.

SPILLED MATERIAL: Block or dike to prevent spreading of spill. Cover with absorbent material such as lime, clay or sawdust. Scoop and sweep into a disposable container. Wash area with strong lye solution, absorb and place into a disposable container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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.

CONTAINER DISPOSAL: Returnable / Refillable Sealed Container: Do not break seals or add any material to the container. Do not rinse container or empty any residue from container. This container must be returned intact after use to the point of purchase.

DIRECTIONS

Be sure to read the precautionary statements before using. This product is designed for application after dilution with water and for use by trained operators using airplane or power ground equipment. The hazards and precautions for handling the product in this container are equally applicable to it after dilution with water for spray application.

REMOVAL OF PRODUCT FROM CONTAINER

This container is fitted with the MICRO MATIC "DV" liquid transfer valve system. To remove product, use the MICRO MATIC coupler attachment, which is available from the seller of this container. The directions below must be followed.

To Connect Coupler:

- Attach pump hose to chemical pump.
- Attach pump hose to coupler.
- With coupler handle in disengaged position, insert coupler straight down into the drum valve, ensuring that the pins on the coupler align with the slots on the valve.
- Turn coupler handle clockwise a quarter turn, until it locks into place.
- Push down coupler handle to engage, ensuring that the lock bar clicks into place.

To Disconnect Coupler:

- Press down on coupler and disconnect the lock bar. Allow coupler handle to raise to its disengaged position.
- Turn coupler handle counter clockwise a quarter turn. Lift coupler straight up.

If you have any questions or need assistance, please call your distributor or 1-800-548-6113.

Add the concentrate to the spray tank while filling with water, and mix thoroughly either by means of a tank agitator or pump by-pass. For best results, thoroughly cover all surfaces to be treated with spray. Rates of application given below should not be exceeded. Never apply later than indicated to assure residue levels at harvest are below tolerance established by the Environmental Protection Agency.

Consult the State Agricultural Extension Service or Experiment Station for specific recommendations regarding application, dosage and timing of spray. For application by ground equipment, add the desired amount of concentrate to sufficient water to apply at least 3 gallons of water per acre. For application by aircraft, add the amount of concentrate desired per acre to 1 to 3 gallons of water consistent with crop growth and good coverage.

Do not use undiluted form.

Do not apply this product through any type of irrigation system.

CEREALS			
Crop	Pests Controlled	Use Rate (PT / Acre)	Pre-Harvest Interval and Comments
Barley, Oats, Rye, Wheat	Barley Thrips	½ - ¾	Do not apply within 15 days of harvest.
	Aphids, Black Grass Bugs, Stink Bugs, Winter Grain Mites	½ - 1 ½	
	Climbing Cutworms, Grasshoppers	¾ - 1	
	Armyworms, Leafhoppers	1 ½	
	Chinch Bugs, False Chinch Bugs, Say's Plant Bugs	1 ½	
	Western Wheat Mites, Brown Wheat Mites, Grasshoppers	1	

Corn	Armyworms, Climbing Cutworms, Corn Leaf Aphids, Corn Rootworm Adults, Fall Armyworms, Stink Bugs	1/2	Do not apply within 12 days of harvest. Do not apply during the pollen shed period.
	Grasshoppers	1	
Rice	Rice Stink Bugs	1 - 1 1/2	Do not apply within 15 days of harvest or within 14 days before or after a propanil application. Shrimp, crabs, and crayfish may be killed. Do not apply where these are important resources.
	Grasshoppers	1	

FIELD AND FORAGE CROPS

Crop	Pests Controlled	Use Rate (PT / Acre)	Pre-Harvest Interval and Comments
Alfalfa	Alfalfa Weevil Larvae, Aphids (including Spotted Alfalfa Aphids), Climbing Cutworms, Grasshoppers	1/2 - 1	Do not treat within 15 days of harvest, cutting or grazing. In Nevada, do not use more than 3/4 pints per acre. Do not apply to alfalfa if the crop or weeds in the treatment area are in bloom.
	Alfalfa Caterpillars, Alfalfa Adult Weevils, Armyworms, Clover Leaf Weevils, Webworms	1	
	Egyptian Alfalfa Weevils, Leafhoppers, Lygus Bugs, Spider Mites	1 - 2	
Cotton	Thrips	1/4 - 1/2	Applications should be made at 4 to 5 day intervals until control is obtained. At listed dosages, application may be made up to the day before harvest, if harvest will be with mechanical pickers, 5 days for hand picking.
	Cotton Leafworms, Grasshoppers, Fall Armyworms, Boll Weevils, Aphids, Garden Webworms	1/2 - 6	
	False Chinch Bugs	2	
	Cutworms	1 - 2	
	Bollworm, Salt-marsh Caterpillars, Armyworms, Cotton Leaf Perforators, Stink Bugs	2 1/2 - 6	

Note: In Texas cotton only, may be applied ultra-low volume (ULV) diluted in 1 quart of refined vegetable oil (such as cottonseed). Apply aeri ally with aircraft outfitted with a delivery system designed to apply droplets with a VMD of 120 to 220 microns. When using conventional hydraulic nozzle systems, the nozzles should be oriented 90 degrees to the laminar airflow. Swath width should not exceed wing span plus 10%.

Grass (Forage)	Range Caterpillars	1	Do not apply within 15 days of harvest or grazing.
	Armyworms, Crested Wheat Bugs, False Chinch Bugs, Grasshoppers, Leafhoppers	1 1/2	
Soybeans	Climbing Cutworms, Three Cornered Alfalfa Hoppers, Garden Webworms, Aphids, Blister Beetles, Mexican Bean Beetles, Stink Bugs, Two-spotted Mites, Velvet Bean Caterpillars	3/4 - 2	Do not apply within 20 days of harvest or grazing.
	Bollworms, Fall Armyworms, Green Cloverworms	2	
Sugar Beets	Armyworms, Cutworms, Fall Armyworms, Flea Beetles, Grasshoppers, Leafhoppers, Mites, Sugar Beet Webworms	1/2 - 3/4	Do not apply within 20 days of harvest; 50 days if tops are to be fed to animals.

OIL SEED CROPS

Crop	Pests Controlled	Use Rate (PT / Acre)	Pre-Harvest Interval and Comments
Sunflowers	Sunflower Moths, Sunflower Maggot, Sunflower Seed Weevil	2	Do not apply more than 3 times at 5 day intervals per season. Do not feed seeds to birds. Do not apply within 30 days of harvest.

<p>Rapeseed / Canola Do not apply within 28 days of harvest. Do not graze treated fields or feed treated forage or threshings to livestock. Apply by ground or air in sufficient water for coverage (minimum of 3 gallons per acre by air). Do not apply more than two applications per season. To protect pollinators apply only in the evening or early mornings (this includes a period from 3 hours before sunset until 3 hours after sunrise of the following day) NOTE - In OREGON - apply product only in the evening (this includes a period from 3 hours before sunset until midnight of the same day).</p>			
Rapeseed/ Canola	Cabbage Seedpod Weevil	1	Make first application when two or more insects can be found per plant on young pods.
	Flea Beetle, Cabbage Aphids	1	Treat in early season when significant evidence of shot holing by the adults becomes evident on the seedlings.
	Diamondback Moth Larvae	1	Treat about mid-growing season when populations reach damaging levels and there is evidence of appreciable feeding beginning on the flowers and / or pods.
VEGETABLES			
Crops	Pests Controlled	Use Rate (PT / Acre)	Pre-Harvest Interval and Comments
Beans (Dry)	Aphids, Armyworms, Flea Beetles, Leafhoppers, Lygus Bugs, Mites	1 - 3	Rates up to 1 pint should not be applied within 15 days of harvest. Rates above 1 pint should not be applied within 21 days of harvest. DO NOT apply if the crops or weeds in the treatment area are in bloom.
	Cowpea Curculio, Cutworms (surface feeding and climbing), Stink Bugs	2 - 3	
Cabbage	Aphids, Armyworms, Flea Beetles, Leafhoppers, Mites	1 - 3	Do not apply within 10 days of harvest. Rates above 1 pint should not be applied within 21 days of harvest.
	Stink Bugs	2 - 3	
Onions	Thrips	1	Do not apply within 15 days of harvest.
Peas (Dry)	Aphids, Armyworms, Flea Beetles, Leafhoppers, Lygus Bugs, Mites	1 - 2	Do not apply within 10 days of harvest. Rates above 1 pint should not be applied within 15 days of harvest. DO NOT apply if the crops or weeds in the treatment area are in bloom.
	Cowpea Curculio, Cutworms (surface feeding and climbing), Stink Bugs	2	
Potatoes	Aphids, Armyworms, False Chinch Bugs, Flea Beetles, Leafhoppers, Mites, Shield Bugs	3	Do not apply within 6 days of harvest.

**BAR CODE OR UNIQUE IDENTIFYING NUMBER
will appear on labeling or on container.**

NOTICE: Because Cheminova has no control over storage, handling and conditions of use, which are of critical importance, Cheminova makes no representation or warranty, either expressed or implied, for results or residues greater than any tolerance which may be established by appropriate governmental agencies, due to misuse, improper handling or storage of this material. Nor does Cheminova assume responsibility for injury to persons, crops, animals, soil or property arising out of misuse, improper handling or storage of this material.

ATTENTION: Do not use in any manner other than recommended on this label. To avoid excessive residues of methyl parathion on food or forage crops, always observe the statements found under "DIRECTIONS FOR USE" limiting the time before harvest when methyl parathion may be applied.

**Manufactured By:
CHEMINOVA, INC.
1700 Route 23
Wayne, NJ 07470**