

PM 19 67760-29 3-21-97 10/5

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
247328

Application for Pesticide - Section I

1. Company/Product Number 67760-29	2. EPA Product Manager D. Edwards	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Cheminova Methyl Parathion 4EC	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Cheminova Inc. 1700 Rt. 23 suite 210 Wayne, NJ 07470 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

Amendment - Explain below. Final printed labels in response to Agency letter dated _____

Resubmission in response to Agency letter dated _____ "Me Too" Application.

Notification - Explain below. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of alternate brand name: Cheminova Methyl 4EC
Under CORN, deletion of "Do not apply during the pollen shed period"
Under VETCH, clarification of directions.

NOTIFICATION
MAR 21 1997

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name H. Maria Biss	Title Manager Regulatory Affairs	Telephone No. (Include Area Code) 201-305-6600
<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Regulatory Affairs	
4. Typed Name H. Maria Biss	5. Date February 28, 1997	

RESTRICTED USE PESTICIDE

Due to very high acute toxicity to Humans and Birds

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. 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

EPA Reg. No. 67760 - 29

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



PELIGRO

POISON

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

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, spray mist are breathed.

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

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.

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 the 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:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the 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)
- For exposures outdoors, a dust / mist filtering respirator (MSHA / NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's 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.

NOTIFICATION
MAR 21 1997

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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 cannot come, take victim to clinic or hospital.

IF BREATHING HAS STOPPED, start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED, drink 1 or 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
NOT FOR USE OR STORAGE IN OR AROUND THE HOME.**

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.

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 the restricted entry interval (REI) of 48 hours.

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

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 the 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 safe manner. 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:

1. Attach pump hose to chemical pump.
2. Attach pump hose to coupler.
3. 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.
4. Turn coupler handle clockwise a quarter turn, until it locks into place.
5. Push down coupler handle to engage, ensuring that the lock bar clicks into place.

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To Disconnect Coupler:

1. Press down on coupler and disconnect the lock bar. Allow coupler handle to raise to its disengaged position.
2. 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 in 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	1/2 - 3/4	Do not apply within 15 days of harvest.
	Aphids, Black Grass Bugs, Stink Bugs, Winter Grain Mites	1/2 - 1 1/2	
	Climbing Cutworms, Grasshoppers	3/4 - 1	
	Armyworms, Leafhoppers	1 1/2	
	Chinch Bugs, False Chinch Bugs and Say's Plant Bugs	1 1/2	
	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 poller 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 pre-harvest 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 Clover	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 California and Nevada, do not use more than 3/4 pints per acre. Do not apply to alfalfa if
	Alfalfa Caterpillars, Alfalfa Adult weevils, Armyworms, Clover Leaf Weevils, Webworms	1	

Cotton	Egyptian Alfalfa Weevils, Leafhoppers, Lygus Bugs, Spider Mites	1 - 2	the crop or weeds in the treatment area are in bloom. 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
	Thrips	1/4 - 1/2	
	Cotton Leafworms, Grasshoppers, Fall Armyworms, Boll Weevils, Aphids, Garden Webworms	1/2 - 6	
	False Chinch Bugs	2	
	Cutworms	1 - 2	
Grass (Forage)	Bollworm, Sallmarsh Caterpillars, Armyworms, Cotton Leaf Perforators, Stink Bugs	2 1/2 - 6	Do not apply within 15 days of harvest or grazing
	Range Caterpillars	1	
Soybeans	Armyworms, Crested Wheat Bugs, False Chinch Bugs, Grasshoppers, Leafhoppers	1 1/2	Do not apply within 20 days of harvest or grazing
	Climbing Cutworms, Three cornered Alfalfa Hoppers, Garden Webworms, Aphids, Blister Beetles, Mexican Bean Beetles, Stink Bugs, Two-spotted Mites and Velvet Bean Caterpillars	3/4 - 2	
	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; 60 days if tops are to be fed to animals.
Vetch			DO NOT apply within 15 days of harvest when using less than 2 pints. DO NOT apply within 20 days of harvest when using 2 - 2 1/2 pints. <i>delete line</i>
	Alfalfa Weevil (larvae)	1/2 - 1	
	Aphids, Leafhoppers	1/2 - 1	Apply when 75% of terminals show feeding, when buds and shoots appear ragged or when larvae counts reach 25 per sweep. <i>Not to be used on alfalfa</i>
	Armyworm	1/2 - 2 1/2	
	Climbing Cutworms, Lygus Bugs, Vetch Bruchid	1	
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
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.			

4/8/85

To protect pollinators apply only in the evening or early morning (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). DO NOT APPLY in IDAHO and WASHINGTON STATE. Pesticide applicators in Idaho and Washington MUST refer to supplemental labeling exclusive to your state. To obtain this labeling, please call Cheminova, Inc., at 1-800-548-6113, and a copy will be faxed or mailed to you directly.

	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			
CROP	PESTS CONTROLLED	USE RATE (PT / ACRE)	PRE-HARVEST INTERVAL AND COMMENTS
Beans (Dry and Green)	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	
Broccoli	Aphids, Armyworms, Flea Beetles, Leafhoppers, Mites	1 - 3	Do not apply within 7 days of harvest. Rates above 1 pint should not be applied within 21 days of harvest
	Stink Bugs	2 - 3	
Brussels Sprouts	Aphids, Armyworms, Flea Beetles, Leafhoppers	1 - 3	Do not apply within 7 days of harvest. Rates above 1 pint should not be applied within 21 days of harvest.
	Stink Bugs	2 - 3	
Cauliflower	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	
Cabbage, Collards, Kale, Mustard	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	
Carrots	Aphids, Armyworms, Cutworms	2	Do not apply within 15

	(surface feeding and climbing), Flea Beetles, Leafhoppers, Mites		days of harvest. DO NOT feed tops.
Celery	Aphids, Armyworms, Flea Beetles, Leafhoppers, Lygus Bugs, Mites, Stink Bugs	2	Do not apply within 15 days of harvest
Lettuce	Aphids, Armyworms, Flea Beetles, Leafhoppers, Mites	2	Do not apply within 21 days of harvest.
Onions	Thrips	1	Do not apply within 15 days of harvest
Peas	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 Chinchbugs, Flea Beetles, Leafhoppers, Mites, Shield Bugs	3	Do not apply within 6 days of harvest
Spinach	Aphids, Armyworms, Flea Beetles, Leafhoppers, Mites, Seed Corn Maggots In Crown, Crown Mites	1 - 2	Do not apply within 15 days of harvest. Rates above 1 pint should not be applied within 21 days of harvest.
Turnips	Aphids, Armyworms, Flea Beetles, Leafhoppers, Leafminers, Mites	1 - 1 1/2	Do not apply within 15 days of harvest. If tops are to be used for food or feed, do not apply within 21 days of harvest.

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 express 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 any 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, Suite 210
Wayne, NJ 07470

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