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

EPA Reg.  
Number:

34704-  
819

Date of Issuance:

SEP 29 1999

NOTICE OF PESTICIDE:

  x   Registration  
      Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Methyl Parathion 4E

Name and Address of Registrant (include ZIP Code):

Platte Chemical Company  
419 18<sup>th</sup> Street.  
Greeley, CO 80631

**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. 34704-819".
- b. The Statement of Practical Treatment or First Aid must appear on the front panel of the label as described in 40 CFR 165.10(iii).
- c. The word, poison must appear in red on a background of distinctly contrasting color.
- d. In the SLN statement appearing on page 2, delete the wording "other than walnuts, sweet potatoes or lentils" so that the sentence reads as stated below. The use of the subject EC product on these three crops would not be acceptable as they are being maintained for the microencapsulated formulation only..

Signature of Approving Official:

*Michael S. Mundy*

Date:

SEP 29 1999

We apologize for the apparent confusion regarding this labeling requirement specified in the Methyl Parathion Agreement

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

As requested in your letter of September 21, 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 final printed 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 high acute toxicity to Humans and Birds

For retail sale to and use only by certified applicator 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.



# METHYL PARATHION 4E

**Organophosphate Insecticide**

Emulsifiable Liquid—An Agricultural Insecticide

**ACTIVE INGREDIENTS:**

*O,O-dimethyl O-p-nitrophenyl phosphorothioate	43.8%
Related Products	1.7%
<b>INERT INGREDIENTS:</b>	<b>54.5%</b>
<b>TOTAL</b>	<b>100.0%</b>

\*Methyl Parathion

Contains 4 lbs. Methyl Parathion per Gallon.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  **POISON**  
**PELIGRO**

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.)

**DANGER—POISON—PRECAUTIONS****CAN KILL YOU IF SWALLOWED**

This product can kill you if swallowed even in small amounts: spray mist or dust 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 vapors, spray mist or dust are breathed.

See Below For Statement of Practical Treatment, Antidote, and Additional Precautionary Statements

EPA REG. NO. 34704-

EPA EST. NO. 34704-MS-1<sup>a</sup>, 2737-KS-1<sup>a</sup>

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**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**
**DANGER**

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 (Statement of Practical Treatment) 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 F on the EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks must wear: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, chemical-resistant footwear plus socks, protective eye-wear and chemical-resistant headgear for overhead exposure. 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, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear and chemical-resistant apron when 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, 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 manufacturer's instructions for cleaning and 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 with 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.

Respirators must be cleaned and filters replaced according to instructions included with the respirators. 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. Clothing wet with this material must be removed immediately. 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.

RECEIVED  
 with COMMENTS  
 In EPA Letter dated

SEP 29 1999

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

34704-819

## METHYL PARATHION 4E

### EPA REG. NO. 34704-

#### + STATEMENT OF PRACTICAL TREATMENT +

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 with eyes, immediately flush eyes or skin with plenty of water. See doctor immediately.

If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.

**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 identity of the purchaser of the container.

#### 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. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

**PHYSICAL & CHEMICAL HAZARDS**  
**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.

This product may not be reformulated or used under a State Special Local Need Registration for any uses not specified on this labeling other than walnuts, sweet potatoes or lentils.

**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 reentry into treated area during the restricted-entry intervals of 5 days in areas where average annual rainfall is less than 25 inches a year and 4 days in areas where average annual rainfall is equal to or greater than 25 inches a year.

#### Agricultural Use Requirements Cont'd.:

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

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, butyl rubber, nitrile rubber or viton, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

#### 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. These 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.

##### 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

#### STORAGE AND PESTICIDE 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 temperature 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 STATEMENT" 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 Sealer 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. 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. Consult the State Agricultural Extension Service or Experiment Station for specific recommendations regarding application, dosage and timing of sprays. 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.

#### CEREAL INSECTS

**BARLEY, OATS, RYE AND WHEAT**—For barley thrips, use ¼ to ¾ pints per acre. For aphids, black grass bugs, stink bugs and winter grain mites, use ½ to 1 ½ pints per acre. For climbing cutworms and grasshoppers use ¼ to 1 pint per acre. For armyworms and leafhoppers use 1 ½ pints per acre. For chinch bugs, false chinch

# **METHYL PARATHION 4E** **EPA REG. NO. 34704-**

bugs and Say's plant bugs, use 1½ pints per acre. For western or brown wheat mites and grasshoppers, use 1 pint per acre. Do not apply within 15 days of harvest.

**CORN**—For control of armyworms, climbing cutworms, corn leaf aphids, corn root-worm adults, fall armyworms and stink bugs, use ½ pint per acre. For grasshoppers, use 1 pint per acre. Do not apply within 12 days of harvest. Do not apply during pollen shed period.

**RICE**—For rice stink bugs, use 1 to 1½ pints per acre. For grasshoppers, use 1 pint per acre. 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.

## **FIELD AND FORAGE CROPS**

**ALFALFA**—For control of alfalfa weevil larvae, aphids (including spotted alfalfa aphids) and climbing cutworms and grasshoppers, use ½ to 1 pint per acre. For alfalfa caterpillars, alfalfa adult weevils, armyworms, and webworms, use 1 pint per acre. For Egyptian alfalfa weevils, leafhoppers, Lygus bugs and spider mites, use 1 to 2 pints per acre. Do not treat closer than 15 days before harvest, cutting, or grazing. Do not apply to alfalfa if the crop or weeds in the treatment area are in bloom.

**COTTON**—For control of thrips, use ¼ to ½ pint per acre. For cotton leafworms use ½ to 6 pints per acre. For grasshoppers and fall armyworms, use ½ to 6 pints per acre. For boll weevils, aphids and garden webworms, use ½ to 6 pints per acre. For false chinch bugs use 2 pints per acre. For cutworms, use 1 to 2 pints per acre.

For bollworms, saltmarsh caterpillars, armyworms, cotton leaf perforators and stink bugs, use 2½ to 6 pints per acre. Applications should be made at 4 to 5 day intervals until control is obtained. At rates of ¼ pint through 2 pints, application may be made up to the day before harvest, if harvest will be with mechanical pickers and if hand picking there is a 5 day interval. Mechanical pickers must be used with a 7 day preharvest interval at rates above 2 pints through 6 pints.

**GRASS (Forage)**—For range caterpillar, use 1 pint per acre. For control of armyworms, crested wheat bugs, false chinch bugs, grasshoppers and leafhoppers, use 1½ pints per acre. Do not apply within 15 days of harvest or grazing.

**SOYBEANS**—For control of climbing cutworms, three-corned alfalfa hoppers, garden webworms, aphids, blister beetles, Mexican bean beetles, stink bugs, two-spotted mites and velvet bean caterpillars, use ¾ to 2 pints per acre. For bollworms, fall armyworms and green cloverworms, use 1 quart per acre. Do not apply within 15 days of harvest up to and through 1 pint. Do not apply within 20 days of harvest through 1 quart.

**SUGAR BEETS**—For armyworms, cutworms, fall armyworms, flea beetles, grasshoppers, leafhoppers, mites, sugar beet webworms, use ½ to ¾ pint per acre. Do not apply within 20 days of harvest; 60 days if tops are to be fed to animals.

**SUNFLOWERS (30)**—For sunflower moths, sunflower maggot and sunflower seed weevil, use 2 pints per acre. Do not apply more than 3 times at 5-day intervals per season. Do not apply within 30 days of harvest.

## **VEGETABLES**

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 5 DAYS BEFORE HARVEST.

**POTATOES**—For control of aphids, armyworms, surface feeding and climbing cutworms, flea beetles, leafhoppers and mites, use 1½ quart per acre.

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN 10 DAYS BEFORE HARVEST.

**CABBAGE**—For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

**PEAS (Dry)**—For control of Aphids, Armyworms, Flea Beetles, Leafhoppers, Lygus Bugs and Mites, use 1 to 2 pints per acre. For Cowpea Curculio, Surface Feeding and Climbing Cutworms and Stink Bugs, use 2 pints per acre. Make no application closer than 7 days before harvest at the 1 pint rate and at rates above 1 pint do not apply closer than 15 days before harvest. To avoid injury to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.

APPLY AT THE RATES INDICATED FOR THE FOLLOWING CROPS. MAKE NO APPLICATIONS CLOSER THAN FIFTEEN (15) DAYS BEFORE HARVEST.

**BEANS (Dry)**—For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs and mites, use 1 to 3 pints per acre. For cowpea curculio, surface feeding and climbing cutworms and stink bugs, use 2 to 3 pints per acre. Dry Bean rates through 3 pints per acre, do not apply closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

**ONIONS**—For control of thrips, use 1 pint per acre.

## **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.

## **BAR CODE or UNIQUE IDENTIFYING NUMBER**

Will be placed either on label or on container

## **NOTICE**

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE, THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR  
**PLATTE CHEMICAL CO.**

419 18TH STREET, GREELEY, COLORADO 80631-5852