



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

EPA Reg. Number:
19713-511

Date of Issuance:

SEP 29 1999

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Drexel Methyl
Parathion 4
Insecticide

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Company
P.O. Box 13327.
Memphis, TN 38113-0327

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. 19713-511".

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

As requested in your letter of September 27, 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.

Signature of Approving Official:

Date:

SEP 29 1999

As specified in paragraph 8(F), 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 (7504C)

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 supervision and only for those uses covered by the certified applicators 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.

ACCEPTED
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. 19713-511



Methyl Parathion 4

Insecticide

Emulsifiable insecticide for controlling certain insects on field and forage crops, fruit, oil seed and vegetable crops.

ACTIVE INGREDIENTS:

Methyl parathion [O,O-dimethyl-O-(4-nitrophenyl) phosphorothioate]	43.1%
Related compounds	1.7%
OTHER INGREDIENTS*	55.2%
TOTAL:	100.0%

This product contains 4 pounds of Methyl parathion per gallon.
*Contains xylene range aromatic solvents.

KEEP OUT OF REACH OF CHILDREN

DANGER  **PELIGRO**
POISON  **VENENO**

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.)

See FIRST AID Below

EPA Reg. No. 19713-LRR
EPA Est. No. 19713-GA-1

Net Contents: _____

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, pinpoint 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.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Call a physician.

IF ON SKIN: If material has been spilled on the skin, immediately remove patient from the vicinity of the methyl parathion and wash with plenty of soap and water. Get medical attention.

(Continued)

FIRST AID (Continued)

CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

Methyl parathion is an organophosphate insecticide/miticide.

Note to Physician: Antidote: Administer atropine sulfate in large doses, 2 to 4 mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 15 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 peripheral nervous system 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.

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

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 penetrates clothing).

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

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED.

The National Pesticide Telecommunications 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 1-800-856-7378.

If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift. 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.

(Continued)

Manufactured By:
Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

PRECAUTIONARY STATEMENTS (Continued)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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, Butyl rubber, Nitrile rubber or Viton, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant apron when cleaning equipment, mixing or loading. For exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter. For exposure in enclosed areas, a respirator with 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 TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. Respirators must be cleaned and filters replaced according to instructions included with the respirators.

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/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: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates, fish and wildlife. Birds and shrimp 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 OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

RESTRICTED USE PESTICIDE

Do not apply this product through any type of irrigation system. **READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. 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.

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, 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), restricted entry intervals (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Each 48-hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches per year.

Do not enter or allow worker re-entry 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 rainfall is equal to or greater than 25 inches a year.

(Continued)

AGRICULTURAL USE REQUIREMENTS (Continued)

Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early re-entry requirement pursuant to 40 C.F.R., 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 a plants, soil or water is: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier laminate or Viton, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure. Notify workers of the application by warning them orally and by posting warning signs at the entrances to treated areas.

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.

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.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME

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 apply this product through any type of irrigation system.

Enclosed Cabs/Cockpits Only: All equipment or aircraft used to apply this product and any person engaged in on-site flagging activities* to support aerial applications must utilize an enclosed cab or cockpit that has a non-porous barrier that totally surrounds the occupants and prevents contact with pesticides outside the cab or cockpit.

APPLICATION BY BACKPACK SPRAYER OR OTHER HAND-HELD SPRAYER IS PROHIBITED.

CEREAL CROPS

BARLEY, OATS, RYE AND WHEAT (except WINTER WHEAT): For control of Barley thrips, use 1/2 to 3/4 pint per acre. For Aphids (including Greenbugs), Armyworms, Leafhoppers and Winter grain mites, use 1/2 to 1 1/2 pints per acre. For Climbing cutworms and Grasshoppers, use 1 1/2 pints per acre. For Brown or Western wheat mites and Grasshoppers, use 1 pint per acre. Do not use more than 1/2 pint per acre within 15 days of harvest.

CORN: For control of Armyworms, Climbing cutworms, Corn leaf aphids, Corn rootworm adults, Fall armyworms and Stink bugs, use 1/2 pint per acre. For Grasshoppers, use 1 pint per acre. Do not apply within 12 days of harvest. Do not apply to Corn during the pollen shed period.

RICE: For Rice stink bugs, use 1/2 to 1 pint per acre. For Grasshoppers, use 1 pint per acre. Do not apply within 15 days of harvest or within 14 days after propanil has been applied. Shrimp, crabs and crayfish may be killed. Do not apply where these are important resources.

SOYBEANS: For control of Climbing cutworms and Three-cornered alfalfa hoppers, use 1/2 to 1 pint per acre. For control of Aphids, Blister beetles, Mexican bean beetles, Stink bugs, Two-spotted mites and Velvet-bean caterpillars, use 1 pint per acre. Do not apply closer than 15 days before harvest or grazing.

FIBER CROP

COTTON: For control of Thrips, use 1/4 to 1/2 pint per acre. For Cotton leafworms, use 1/4 to 3/4 pint per acre. For Grasshoppers and Fall armyworms use 1/2 pint per acre. For Spider mites (does not control all species), use 1/2 to 3/4 pint per acre. For control of Fleahoppers, Lygus and other mirids, use 1/4 pint to 1 quart per acre. For Aphids, Boll weevils and Garden webworms, use 1 pint per acre. For Cutworms, use 1 to 2 pints per acre. For Armyworms, Bollworms, Cotton leaf perforators, Salt-marsh caterpillars and Stink bugs, use 1 quart per acre.

Applications should be made at 4 to 5 day intervals until control is obtained. At above dosages, application may be made up to the day before harvest, if harvest will be with mechanical pickers.

Also see "TANK MIXTURES ON COTTON".

Notice: Do not apply within 5 days of handpicking Cotton.

TANK MIXTURES

This product may be tank mixed with other insecticides to provide control of additional insect species. Read and carefully observe the precautionary statements and all other information appearing on the labels of all the insecticides used.

When wettable powder, water soluble or flowable formulations are to be tank mixed with emulsifiable formulations:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, pre-mix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. Continue filling the sprayer tank with water and add any remaining amounts of liquid insecticides near the end of filling process. Maintain good agitation at all times until the contents of the tank are sprayed.
6. Make no application of these tank mixtures closer to harvest than the longest pre-harvest interval shown for any product in the tank mix.

Tank Mixture	Insect*	Rate Per Acre
THIS PRODUCT plus Orthene® 75S	Cotton bollworms, Tobacco budworms (in AL, AR, FL, GA, LA, MS and TX)	1 qt.* plus 3/4 lb.* (1/2 lb. a.i.) Combined Total a.i./acre 1.5 lbs.
THIS PRODUCT plus Lorsban®	Cotton bollworms, Tobacco budworms and Boll weevils (For use in all states except AZ and CA.)	1 qt.* plus 1 pt.* Combined Total a.i./acre 1.5 lbs.
THIS PRODUCT plus Lannate® L Note: Registered for use East of Rocky Mountains only.	Cotton bollworms, Tobacco budworms, Boll weevils, Beet armyworms, Cotton leaf perforators	1 to 2 pints* plus 1 to 1 1/2 qts.* Combined Total a.i./acre 0.95 to 1.6765 lbs.
	SPECIFIC DIRECTIONS: This combination should be used as an occasional spray during early and mid-season, not more often than every 10 days. After boll load is set; up to 3 applications at 3 to 5 day intervals may be made.	
THIS PRODUCT	Cotton bollworms and Tobacco budworms	1 pt. to 1 qt.* Combined Total a.i./acre .55 to 1.1 lbs.
A.I. = Active Ingredient *For additional species of insects controlled on Cotton by this product, see "COTTON" section.		
Lannate is a registered trademark of E.I. DuPont DeNemours and Company. Lorsban is a registered trademark of Dow Elanco. Orthene is a registered trademark of Valent U.S.A. Corporation.		

For additional species of insects controlled on Cotton by this product, see "COTTON" section.

FIELD AND FORAGE CROPS

ALFALFA AND CLOVER: For control of Alfalfa weevil larvae, Aphids (including Spotted alfalfa aphids), Climbing cutworms and Grasshoppers, use 1/2 to 1 pint per acre. For Alfalfa caterpillars, Adult alfalfa weevils, Armyworms, Clover leaf weevils 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. In CA, do not use more than 3/4 pint per acre. Do not apply if the crop or weeds in the treatment area are in bloom.

GRASS (Forage): For Range caterpillars, use 1 pint per acre. For control of Armyworms, Crested wheat bugs, False chinch bugs, Grasshoppers and Leafhoppers, use 1 1/2 pints per acre. Do not apply within 15 days of harvest or grazing.

SUGAR BEETS: For Aphids, Armyworms, Flea beetles, Grasshoppers, Leafhoppers, Lygus bugs, Stink bugs and Webworms, use 3/4 pint per acre. Do not treat closer than 20 days before harvest. 60 days if tops are to be fed to livestock.

VETCH: For control of Aphids, Armyworms, Climbing cutworms, Leafhoppers, Lygus bugs, Spider mites and Vetch bruchids, use 1 to 2 pints per acre. Do not treat closer than 15 days before harvest or grazing.

OIL SEED CROPS

SUNFLOWER: For control of Sunflower head moths, Sunflower seed weevils and Sunflower maggots, use 1 quart per acre. Make no more than 3 applications at 5-day intervals. Do not apply within 30 days of harvest.

VEGETABLES

WHITE POTATOES: For control of Aphids, Armyworms, False chinch bugs, Flea beetles, Leafhoppers, Mites and Shield bugs, use 1 1/2 quarts per acre. Do not apply within 5 days of harvest.

SWEET POTATOES: For control of Aphids, Armyworms, Surface feeding and Climbing Cutworms, Flea beetles, Leafhoppers and Mites, use 3/4 quarts per acre. Do not apply within 5 days of 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 per acre 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. Rates above 1 pint per acre should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

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. Rates above 1 pint per acre should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

BEETS (RED): For control of Aphids, Armyworms, Flea beetles, Leafhoppers, Lygus bugs, Mites and Stink bugs, use 1 quart per acre. If tops and roots are to be used for food or feed, do not apply closer than 21 days before harvest.

ONIONS: For control of Thrips, use 1/2 pint per acre. Do not apply closer than 15 days before harvest.

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.

PESTICIDE STORAGE: Do not store below a temperature of 0°F. Store in safe manner. Store in original container only. Keep container tightly closed when not in use.

PROTECTIVE EQUIPMENT AND CLOTHING: 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.

WARRANTY—CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.