

PM 23 38167-26 112

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION 38167-26 39511-126	DATE OF ISSUANCE FEB 14 1986
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Vertac MCPA Sodium	

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Vertac Chemical Corporation
 5100 Poplar, Suite 2414
 Memphis, TN 38137

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

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

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 39511-126."
- b. Correct the chemical name to read:
 Sodium salt of 2-methyl-4-chlorophenoxyacetic acid
- c. Correct the ingredient substatement to read:
 Equivalent to 21.4% 2-methyl-4-chlorophenoxyacetic acid

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE FEB 14 1986

- d. Modify the Environmental Hazards statement to read:

Do not apply directly to water except as stated on labeling.

- e. In the Reentry section delete CAUTION and replace with DANGER. Only one signal word may appear on pesticide labeling.

- f. Modify the Pesticide Disposal section to read:

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.

- g. To the directions for application to flax with Dowpon M Grass Killer, add a statement similar to the following:

Observe the most restrictive limitations, precautions, and directions for use on the product's labeling.

- h. To the Directions for Use on peas, add the statements:

Do not feed treated vines to livestock. Do not forage or graze treated pea fields.

- i. To be consistent with the MCPA Registration Standard, you should add a statement to the noncrop directions similar to the following:

Do not forage or graze livestock on treated areas within 7 days of treatment.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

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Please note that you did not actually submit the data which were the basis for your statements on Storage Stability and Corrosion Characteristics; however, there is a pool of applicable MCPA data available for these particular items for this product.

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosures

S 1537-42

Similar formula

4112

264-55

964-577

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Label Code: 00xx-001-8601 Container: 5 gal steel Container
Spec: ----- EPA Approval Date: ----- File: Sodium MCPA
Disk: Label 1 File Date: 1/30/86 Backup: Label 2

*with comments
in file*

VERTAC

MCPA SODIUM SALT

MCPA SODIUM SALT HERBICIDE

FOR THE SELECTIVE CONTROL OF MANY BROADLEAF WEEDS IN FLAX, SMALL GRAINS, RICE, PEAS, GRAIN SORGHUM, GRASSLANDS AND PASTURES, ESTABLISHED LAWNS AND TURF, GRASSES GROWN FOR SEED, AND NON-CROP AREAS.

ACTIVE INGREDIENTS:

Sodium 2-Methyl-4-Chlorophenoxyacetate 23.7%

INERT INGREDIENTS:

..... 76.3%
Total 100.0%

(Equivalent to 21.4% or not less than 2 pounds per gallon of MCPA)

EPA Registration Number: 39511-xx
EPA Establishment Number: See side panel

KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two 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.

IF ON SKIN: Wash contaminated areas thoroughly with soap and water. Do not reuse contaminated clothing until washed. Do not wear contaminated shoes. Get medical attention if irritation persists.

IF IN EYES: Flush with plenty of water for at least thirty (30) minutes. GET MEDICAL ATTENTION.

Net Contents 18.9 Liters/5 Gallons

Before buying or using this product, read "Warranty Limitations and Disclaimer" elsewhere on this label. If terms are not acceptable, return unopened package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under the Warranty Limitations and Disclaimer.

Precautionary Statements

DANGER - PELIGRO

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye damage. Harmful if swallowed. May cause skin irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Unprotected persons must leave the area being treated.

ENVIRONMENTAL HAZARDS

Do not apply directly to water; Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water intended for irrigation or domestic purposes. Do not apply when weather conditions favor drift from target area.

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE
CALL TOLL FREE
1-800-424-9300

AGRICULTURAL CHEMICAL
DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS, OR CLOTHING.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH THIS LABELING.

RE-ENTRY STATEMENT:

DO NOT enter treated areas without protective clothing until sprays have dried. Protective clothing should include: hat or other suitable head covering, long sleeved shirt and long legged trousers, or a coverall type garment, shoes and socks.

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Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. The front panel PRECAUTIONARY STATEMENTS should be read to workers as well as the instruction not to enter until sprays have dried. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

CAUTION: Area treated with MCPA on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here STATEMENTS OF PRACTICAL TREATMENT as on front panel.)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Do not store this product near fertilizers, seeds, insecticides, or fungicides. Protect product from freezing. If subjected to freezing conditions, warm to 70°F and agitate. This will return product to original condition. Reclose all partially used containers by thoroughly tightening the screw cap. Damaged or leaking containers, which cannot be used immediately, should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbant and dispose of as indicated under 'Pesticide Disposal'.

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to the spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL PRODUCT INFORMATION

USE PRECAUTIONS: MCPA Sodium herbicide is injurious to most broadleaf plants. Salts are the least volatile forms of MCPA and do not release enough vapors from treated areas to reduce yield of adjacent susceptible crops. This product is a salt of MCPA. Susceptible plants may, however, be injured by physical drift from the application of this product. Do not apply directly to or otherwise permit even minute amounts (such as spray drift) to contact fruit trees, vegetables, flowers, ornamentals, or other desirable plants susceptible to MCPA. DO NOT APPLY IN THE VICINITY OF COTTON, GRAPES, TOBACCO OR TOMATOES. Do not use in or near a greenhouse. Do not spray when wind is blowing towards susceptible crops or ornamental plants.

Use course sprays to minimize spray drift since, under certain weather conditions, fine spray droplets may drift a mile or more. A spray thickening agent, such as Nalco-Trol*, may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on the product label. *TM, Nalco Chemical Co.

With ground equipment spray drift can be lessened by:

1. Keeping the spray boom as low as possible.
2. Applying 20 gallons or more of spray volume per acre.
3. Using large-droplet producing nozzles.
4. Using no more than 20 psi spray pressure at the nozzles.
5. Spraying only when wind velocity is low.
6. Stopping all spraying when wind exceeds 8 MPH.

Do not use hollow cone-type nozzles or other nozzles that produce large amounts of fine spray droplets.

With aerial equipment drift can be minimized by:

1. Using no more than 20 psi spray pressure at nozzles.
2. Using nozzle types and positions which do not produce fine spray droplets.
3. Using a spray boom no longer than 3/4 the wing or rotor span of the aircraft.
4. Spraying only when wind is less than 6 MPH.

Determine air movement and direction before foliar application. Use a smoke generator or other means at or near the application site for the detection of air movement, air stability or temperature inversions. Such a condition exists when there is little or no wind and air temperature is lower near the ground than at higher levels. Use appropriate drift control measures or avoid application when smoke is moving toward nearby desirable susceptible plants or sensitive areas.

Excessive amounts of this herbicide in the soil may temporarily inhibit seed germination or plant growth. Violent windstorms may move soil particles. If MCPA is on soil particles and they are blown onto susceptible plants, visible symptoms may appear. Serious injury is unlikely. The hazard of movement of

MCPA on dust is reduced if treated fields are irrigated or if rain occurs shortly after application.

To avoid injury to desirable plants, do not handle or apply other agricultural chemicals with the same equipment used for MCPA, unless it has been thoroughly cleaned with a suitable chemical cleaner.

Local conditions may affect the use of herbicides. Consult your State Agricultural Experiment Station or Extension Service Weed Specialists for advice in selecting treatments from this label to best fit local conditions. Be sure that the use of this product conforms to all applicable regulations. Apply this product only as specified on this label.

WHERE TO APPLY: MCPA Sodium is used to control broadleaf weeds in flax, peas, small grains, grasslands and pastures, established lawns and turf, grasses grown for seed, and many non-crop areas. The product will kill or control the following weeds in addition to many other noxious plants susceptible to MCPA.

More susceptible weeds (most areas):

- | | | | |
|------------------------------|--------------------|-------------------------|-------------------|
| Arrowhead | Beggart ck | Burdock | Cocklebur |
| Croton (goatweed) | Galinsoga | Goatsbeard | Jimsonweed |
| Kochia | Lambsquarters | Mars elder | Mint (dragonhead) |
| Mustards | Pennycress (field) | Pepperweed (field) | Puncturevine |
| Redstem | Ragweed | Shepherdspurse | Sicklepod |
| Sneezeweed | Stinkweed | Water Plantain | Witchweed |
| Yellow Rocket (winter cress) | | and many other species. | |

Less susceptible weeds:

- | | | | |
|-------------|-----------------------|----------------|-----------------|
| Burcucumber | Buttercups | Canada Thistle | Catsear |
| Dandelion | Hempnettle | Hoary Cress | Honeysuckle |
| Plantains | Pigweed | Purslane | Russian Thistle |
| Sow Thistle | Stinging Nettle | Sunflower | Vetch White Top |
| Wild Radish | Silverleaf Nightshade | | |

In Rice - California:

- | | | |
|----------------------|--------------|----------------|
| Arrowhead (non-bulb) | Burhead | Redstem |
| Rough Seeded Bulrush | Water Hyssop | Water Plantain |

WHEN TO APPLY: Apply the product during warm weather when weeds are young and actively growing. Uniform spray coverage is necessary for best results. Generally the lower dosages listed will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is difficult, the higher dosages will be needed.

HOW TO APPLY: PREPARING THE SPRAY: Mix the MCPA Sodium with water, unless otherwise indicated on the label. Fill the mixing tank or spray tank with approximately 1/2 the amount of water to be used for spraying. Add the required amount of product with agitation. Add the remainder of the water

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while continuing to agitate. Note: adding oil, wetting agents, or other adjuvants to the spray may reduce selectivity to crops possibly causing crop damage.

Spraying Conditions: Use a moderate spray pressure of approximately 20 psi. Enough spray volume should be used to give good coverage of the weeds being sprayed. This is usually 5 to 30 gallons by ground application or 3 to 10 gallons by air. Higher spray volumes may be useful in some situations to provide better spray coverage when weeds are especially dense and/or to reduce spray drift.

WEED CONTROL APPLICATIONS

FLAX: For control of susceptible weeds, use 1/3 to 1 pints of MCPA Sodium per acre in 20 to 50 gallons of water by ground application or 10 gallons of water by air. Treat when the flax has at least 3 to 4 leaves, or when 3 to 6 inches tall, but before buds begin to form. Treatment after early bud stage may result in severe damage. Rates of 1-1/4 to 1-1/2 pints per acre may be needed to control some weeds such as wild buckwheat, smartweed and thistles but flax may be injured at these rates. If seedling grasses such as foxtail are a problem, DOWPON® M Grass Killer may be used alone or in combination with MCPA Sodium. Flax varieties may vary in tolerance to DOWPON® M and MCP. Consult local Extension Service or University Specialists for advice on herbicide use in flax. Do not spray flax underseeded with legumes without first consulting local weed specialists. Do not forage or graze meat animals on treated areas within seven (7) days of slaughter.

WEED CONTROL IN SMALL GRAINS: NOTE: Do not permit dairy animals, or meat animals being finished for slaughter, to forage or graze treated grain fields within two (2) weeks after treatment. Do not forage or graze meat animals on treated areas within seven (7) days of slaughter.

Wheat, Barley, Oats and Rye not underseeded to Legumes: Use 1 to 3 pints of MCPA Sodium per acre for the more susceptible weeds when grains are in the 3 to 5 leaf stage or up to early boot stage. Apply when weeds are very small for best results. Use up to 3 pints MCPA Sodium per acre for the less susceptible weeds after crop has tillered, but not later than early boot stage. Do not apply during the boot to dough stage of the grain.

Wheat, Barley, Oats and Rye underseeded to Alfalfa, Alsike, Birdsfoot Trefoil, Lespedeza, Red, White, or Ladino Clover: For emergency control of serious infestations of mustard, yellow rocket and other susceptible broadleaf weeds, apply 1/2 to 1 pint in not more than 5 to 10 gallons of water per acre. Make application after cereal is well tillered (4 to 8 inches tall) and before reaching boot stage. The nurse crop and weeds should provide a protecting canopy which, together with the use of low gallonage applied at low pressure, will reduce the risk of damage to the legumes. Do not use where small seeded legumes, especially vetch, sweet clover, trefoil or alfalfa, are seeded unless injury to them can be tolerated. There is also some risk to other legumes if only thinly protected by a canopy.

Emergency treatment of perennial/broadleaf weeds in wheat: Apply 6 pints per acre when weeds are approaching bud stage, but do not spray grain in the boot to dough stage. The 6 pint (1.5 pounds acid equivalent) per acre application of any MCPA product can produce injury to wheat. Balance the severity of your weed problem against the possibility of crop damage. Where perennial weeds are scattered, spot treatment is suggested to minimize the extent of crop injury. Treat in the spring when grain is fully tillered and 8 to 10 inches tall.

RICE: MCPA Sodium can be used to replace 2,4-D in the weed spraying programs. Consult your Agricultural Experiment Station or Extension Service Weed Specialists for appropriate rates and timing of MCPA spray and on the tolerance of rice varieties. Observe the same precautions against drift onto cotton and other susceptible crops as for 2,4-D spraying. Treated effluent waters may be harmful to fish and other aquatic life. Apply 3 to 5 pints per acre in sufficient water (10 to 100 gallons) to give coverage. Use lower rate where Arrowhead, Water Plantain, and Redstem are the only weeds. Use the 5 pint rate where sedge and bulrush are also present. Make application only when weeds are present and where rice is well established, 6 to 8 inches above water, no sooner than 35 and no later than 65 days after seeding or when crop stems begin to elongate. Water should not be less than 2 to 3 inches deep at shallowest point. Do not spray after rice is in the boot stage, or when temperatures are over 90° F. Do not grow crayfish or catfish in treated rice fields.

PEAS: For control of mustard, lambsquarters and other susceptible weeds use 1/2 to 1-1/2 pints in 20 to 60 gallons of water per acre. For aerial application use 10 gallons total spray solution per acre. Adjust dosage rates to air temperatures as follows:

- Less than 55° F ---- 1 pint per acre
- 55° F to 70° F ----- 4/5 pint per acre
- 70° F to 80° F ----- 1/2 pint per acre

Apply after weeds emerge and before they are 3 inches tall. Do not apply later than the 3 node stage of growth of the peas before the blooming period. Do not apply if peas are taller than 7 inches or when they are stressed for lack of soil moisture. Do not feed treated vines to livestock. Do not graze or forage treated pea fields. Note: Consult State Extension Service personnel or cannery company fieldsmen for proper timing of applications with regard to varietal differences of growth rate. Do not apply when air temperature is over 90°F.

NOTE: MCP can cause injury and delayed maturity in the pea crop.

GRAIN SORGHUM: MCPA Sodium used in grain sorghum will control weeds such as Pigweed, Lambsquarters, Shepherdspurse, Purslane, and Narrowleaf Goosefoot. Apply when sorghum is 6 to 12 inches tall but before the boot stage of development. Use 3 pints in 10 to 20 gallons of water per acre. For best results, apply before weeds reach a height of 5 inches or branches of weeds exceed a length of 5 inches. Avoid cultivation after treatment when sorghum is brittle. Hybrids vary in tolerance to MCPA. Hybrids of Wheatland parentage may be particularly susceptible. Spray only varieties known to be tolerant

Consult seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for Guidance.

Do not graze dairy animals on treated areas until 7 days after treatment.

Do not graze meat animals on treated areas within 7 days of slaughter.

GRASSES GROWN FOR SEED: Use 2 to 4 pints per acre in sufficient water to give adequate coverage. Use higher rate where weed stands are heavy. In established grassy apply in spring before head comes into boot and on seeding grass after grass has tillered. On new seedling grass apply after grass has 5 leaves. Do not graze dairy animals in treated areas until 7 days after treatment. Do not graze meat animals in treated areas within 7 days of slaughter.

Note: In weed control in grasses repeat treatment may be needed for less susceptible weeds. White clover and other legumes may be temporarily injured or killed. In some areas, dichondra, bent, buffalo, carpet, and St. Augustine grasses may also be injured by the treatment.

ESTABLISHED GRASSLANDS AND PASTURES: Use 2 to 6 pints per acre in sufficient water (10 to 100 gallons) to give thorough coverage. Use higher rate for Canada thistle and other hard-to-kill weeds. Spray perennials in bud stage and re-growth in fall. Other weeds may be sprayed in spring or fall, when they are actively growing. Note: Alfalfa, Alsike, Red, Crimson, Sub clovers are injured by MCPA.

ESTABLISHED LAWN AND TURE: Use 2 fluid ounces in 3 to 5 gallons of water. Apply uniformly over 1000 square feet. For larger areas use 2 to 6 pints per acre in 10 to 100 gallons of water. Apply in the spring or fall when weeds are actively growing. Do not mow within two days before or after application.

NON-CROP AREAS: Canada Thistle, White Top, Meadow Buttercup, Field Bindweed (Morningglory), and Texas Blueweed. For spot treatment use 1/2 pint in 3 to 4 gallons of water, or 1 1/2 gallon of MCPA Sodium per acre, and spray to wet weeds thoroughly when in bud to early bloom and again in fall regrowth. Add 1 quart of wetting agent to each 100 gallons of spray solution use for high volume ground application. **NOTE:** on fallow land do not plant any crop for 3 months after treatment or until chemical has disappeared from soil.

G. M. ...

WARRANTY LIMITATIONS AND DISCLAIMER

Ventac Chemical Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the Directions For Use when used under normal conditions. **THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL.** Therefore, neither this warranty nor any

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other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing Vertac Chemical Corporation of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of Vertac Chemical Corporation or any other seller will be one of the following, at the election of Vertac Chemical Corporation:

1. Refund of purchase price paid by buyer or user for product bought,
or
2. Replacement of amount of product used.

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations and Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

VERTAC CHEMICAL CORPORATION
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 USA

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EPA Establishment No: A. 39511-AR-1
B. 40831-MT-1

Establishment number used is indicated by letter in lot number.