

J. R. Fisher
Vertac Chemical Corporation
5100 Poplar Avenue
Memphis, TN 38137

DEC 6 1985

Dear Mr. Fisher:

Subject: Reregistration Requirements MCPA
Vertac Weed-Rhap A4-MCPA Herbicide
EPA Registration No. 39511-65
Vertac Weed-Rhap LV4-MCPA Herbicide
EPA Registration No. 29511-76 ✓
Your Submissions Dated November 22, 1985

The product specific data for product chemistry for Registration No. 39511-76 are satisfactory and fulfill requirements described in the MCPA Registration Standard. For Registration No. 39511-65, you must submit a nitrosamine analysis on your formulation. Since nitrosamines may be introduced during the manufacture/packaging of amine products, we cannot accept data on a Dow product to fulfill this particular requirement. We have included the amended formulas, showing Dow as your source of MCPA acid for Registration No. 39511-65 and MCPA isooctyl ester for Registration No. 39511-76, in our records. It is understood that these formula statements dated November 8, 1985 replace previously accepted formulas for these products.

Labeling for Registration No. 39511-76 is acceptable provided you:

1. Change the Spanish signal word to "AVISO" (for "WARNING").
2. ~~Under first aid statements, for skin, delete "if irritation persists"; for eyes, add "if irritation persists."~~
3. Under General Product Information (page 5), delete peas, established alfalfa and clover as application sites since you have not included directions for these uses elsewhere on labeling.
4. Submit one (1) copy of final printed labeling prior to releasing the product for shipment.

B9642:Mountfort:ED-73:KEMCO:12/4/85:Del.12/16/85:eg:VO

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

A stamped copy of labeling is enclosed for your records.

Labeling for Registration No. 39511-65 is not acceptable. Addition of uses and increase in application rates must be supported with data. Since you are following the Selective Method for this registration, you must list the data you are relying on for these changes or cite the Standard for the individual requirements. You must also submit a certification (offer-to-pay) form ~~and sign the general offer to pay section~~ for both registrations. Since you qualify for the formulator's exemption for Registration No. 39511-76, submit/sign the appropriate form for our records.

Sincerely yours,

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

Enclosure

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57539-18

Label Code: 0076-005-8511 Container: 5 gal steel Container
 Spec: ----- EPA Approval Date: ----- File: LV4-MCPA
 Disk: Label 1 File Date: 11/1/85 Backup: Label 2

VERTAC

WEED RHAP LV4-MCPA

ACCEPTED
 with comments
 DEC 6 1985
 EPA REG. NO. 39511-76

MCP ESTER HERBICIDE

FOR THE SELECTIVE CONTROL OF MANY BROADLEAF WEEDS IN WHEAT,
 OATS, BARLEY, RYE, FLAX, GRASSLAND, AND IN NON-CROP AREAS.

ACTIVE INGREDIENTS:

Isooctyl ester of 2-Methyl-4-Chlorophenoxyacetic Acid 74.4%

INERT INGREDIENTS:

..... 25.6%
 Total 100.0%

(Equivalent to 47.7% or 4 pounds per gallon of MCPA)

EPA Registration Number: 39511-76
 EPA Establishment Number: See side panel

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KEEP OUT OF REACH OF CHILDREN

WARNING - PRECAUCION AVISO

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: Do not induce vomiting. Get medical attention. Contains petroleum distillates.

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 fifteen (15) minutes. GET MEDICAL ATTENTION ~~if irritation persists.~~

Note to Attending Physician: May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagosopic control.

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

WARNING - PRECAUCION *ADISO*

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Causes 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. This product is toxic to fish. 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. ✓

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not cut or weld container. ✓

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 STATE.

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.

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GENERAL PRODUCT INFORMATION

USE PRECAUTIONS: MCP ester herbicide is injurious to most broadleaf plants. Although this product contains material of low volatility, use it with caution where the spreading of vapors can damage nearby susceptible plants.

Physical drift from the application of this product may also cause injury to susceptible plants. 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 MCP. **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 coarse 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. By using nozzle types and positions which do not produce fine spray droplets.
3. By using a spray boom no longer than 3/4 the wing or rotor span of the aircraft.
4. By spraying only when wind is less than 6 MPH.

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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 generation or plant growth. Violent windstorms may move soil particles. If MCP is on soil particles and they are blown onto susceptible plants, visible symptoms may appear. Serious injury is unlikely. The hazard of movement of MCP 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 MCP 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: MCP ester is used to control broadleaf weeds in flax, ~~peas~~, small grains, established alfalfa and red clover, grass pastures, rangeland, and many non-crop areas. The product will kill or control the following weeds in addition to many other noxious plants susceptible to MCP.

More Susceptible Weeds (most areas):

Arrowhead	Beggartick	Burdock	Cocklebur
Croton (goatweed)	Galinsoga	Goatsbeard	Jimsonweed
Kochia	Lambsquarters	Marshelder	Mint (dragonhead)
Mustard	Pennycress (field)	Pepperweed (field)	Puncturevine
Redstem	Ragweed	Shepherdspurse	Sicklepod
Sneezeweed	Stinkweed	Water Plantain	Wild Radish
Witchweed	Yellow Rocket (winter cress)		

and many other species.

Less Susceptible Weeds:

Burcucumber	Buttercup	Canada Thistle	Catsear
Chervil	Dandelion	Hempnettle	Hoary Cress
Honeysuckle	Miner's Lettuce	Plantain	Pigweed
Purslane	Sow Thistle	Stinging Nettle	Sunflower
Vetch	White Top		

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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 MCP ester 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 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: Use 1/4 to 1/2 pint per acre. Apply by ground sprayer or by airplane. Use sufficient water to give uniform and adequate coverage. Apply only when weeds are up and when flax is 4 to 8 inches high and before it comes into bud. Treatment after early bud stage may result in severe damage. If Canada thistle is present it may be necessary to go as high as 3/4 pint per acre to prevent seed head production. Some injury to the flax may result. Flax varieties may vary in tolerance to MCP. Consult local Extension Service or University Specialists for advice on herbicide use in flax. Do not forage or graze meat animals on treated areas within 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 2 weeks after treatment. Do not forage or graze meat animals on treated areas within seven days of slaughter.

Wheat, Barley, Oats and Rye: Use 1/2 to 1 pint of MCP ester per acre for the more susceptible weeds when grains are in the 3-to-4 leaf stage or up to early boot stage. Apply when weeds are very small for best results. Use up to 3 pints MCP ester 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.

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ESTABLISHED GRASSLANDS: Use 1 to 3 pints of MCP ester per acre. Apply when weeds are small and actively growing for best results. Use the higher rates for whitetop, Canada thistle, buttercup, and other more difficult to control weeds. Spray perennials in early bud to full bloom stage and regrowth in fall. Legumes may be injured or killed.

GRASSES GROWN FOR SEED: Use 1 to 2 pints per acre, the higher rate where weed stands are heavy. In established grasses, apply in spring before head comes into boot and on seedling grass after grass has tillered. Do not use from early boot to milk stage.

NOTE FOR WEED CONTROL IN GRASSES: Do not use this treatment where legumes, especially alfalfa, are present and desirable. In some areas, bent, buffalo, carpet, and St. Augustine grasses may be susceptible to injury. Do not use on newly seeded areas until grass is well established.

NON-CROP AREAS: For control of susceptible weeds in fencerows, fallow lands, rights-of-way, roadsides, and similar areas, use 6 pints of product per acre in enough water to give sufficient coverage. NOTE: on fallowland, do not plant any crop until 3 months after treatment or until chemical has disappeared from soil.

SPOT TREATMENT: For weed control in pastures, rangelands and in non-crop areas such as fencerows, farmyards, shelter-belts and roadsides: Use 1/4 pint of MCP ester in 3 gallons of water to control weeds such as Canada thistle, whitetop, meadow buttercup, and Texas blueweed. Apply when weeds are growing vigorously, usually prior to bloom, and spray fall regrowth, if necessary.

WARRANTY LIMITATIONS AND DISCLAIMER

Vertac 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 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.

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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.

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