

228-192



6/4/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

JUN 4 2003

Mr. Russell F. Sawyer
Nufarm Americas, Inc.
Riverdale - A Nufarm Company
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60527-0866

Dear Mr. Sawyer:

Subject: Label Revision Amendment - Revised First Aid
Statement
Riverdale MCPPP-p 4 Amine
EPA Registration No. 228-192
Your Amendment Application Submission Dated
January 31, 2003

The labeling, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable and supercedes all previously accepted ones. A stamped copy is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the products for shipment.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller".

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosures

M. HOWARD
PM TEAM 23
(703) 305-6784

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RIVERDALE®

MCPPP-p 4 AMINE

FOR USE ON LAWNS, GOLF COURSES AND ORNAMENTAL TURF

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENT:

Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid*†	26.0%
INERT INGREDIENTS:.....	74.0%
TOTAL.....	100.0%

Isomer Specific Method, Equivalent to:

- * (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid 21.5%, 1.9 lbs.
- † CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p.

Riverdale and The Optical Advantage are Registered Trademarks of Riverdale - A Nufarm Company.

ONLY FOR SALE TO, USE AND STORAGE BY, LAWN CARE AND LANDSCAPING PERSONNEL OR COMMERCIAL APPLICATORS

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

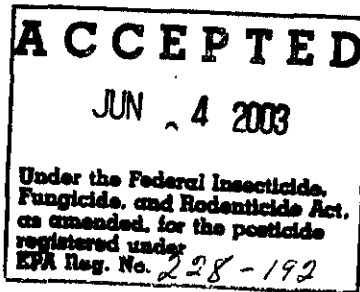
SEE SIDE PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-192

NET CONTENTS GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY NUFARM AMERICAS, INC., BURR RIDGE, ILLINOIS 60527-0865



NOTE: Spanish language is optional

(Side Panels)

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****DANGER - PELIGRO**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes or on clothing. Wear face shield or goggles when mixing, loading or applying this product. Avoid contact with skin. Avoid breathing spray mist or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID STATEMENT

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- IF IN EYES:** Hold eyelids open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

ENVIRONMENTAL HAZARDS

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters nor pour washwaters on ground; spray or drain over a large area away from wells and other water sources. Do not apply this product through any type of irrigation system. Use care to avoid spray contact or drift to susceptible plants such as beans and other legumes, cotton, flowers, grapes, ornamentals, vegetables and other plants. Do not permit spray mist containing MCPPP-p 4 Amine to drift onto them since even very small quantities of the spray, which may not be visible, can cause severe injury during both growing and dormant periods. Do not spray when the wind is blowing towards susceptible crops or ornamental plants. Use coarse sprays to minimize drift. Spray drift can be lessened by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using no more than 20 pounds spraying pressure with flat fan or flooding flat fan nozzle tips; by spraying when wind velocity is low; and by stopping all spraying when wind exceeds 8 miles per hour. Do not apply with hollow cone-type insecticide or other nozzles that produce a fine droplet spray. Do not use the spray equipment for applying other materials to susceptible crops as injury may result.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPPP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

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

MCPPP-p 4 Amine may be used on ornamental turf grasses with greater safety than 2,4-D. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

This herbicide is safe to use on Washington, Toronto and Seaside bentgrasses, Kentucky and Merion bluegrasses. Apply MCPPP-p 4 Amine on a warm calm day when weeds are growing vigorously. Use any suitable sprayer or watering can with fine nose to give a uniform cover of the weeds. Although this herbicide is relatively slow in action, it gives a superior result on more difficult to control weeds such as:

MORE SUSCEPTIBLE WEEDS

Controlled by 2-1/2 pints of MCPPP-p 4 Amine per acre.

Bindweed	Dandelion	Pigweed
Buttercup	Ground Ivy	Plantain
Cinquefoil	Lambsquarters	Ragweed
Clover	Mouseear chickweed	Spotted spurge
Common chickweed		Thistle

LESS SUSCEPTIBLE WEEDS

Controlled by 4 pints of MCPPP-p 4 Amine per acre. Repeat applications at half the recommended dosage may give better control.

Black medic	Knotweed	Purslane
Dock	Morningglory	Speedwell
Henbit	Pennywort	Yarrow

PREPARATION OF THE SPRAY: Fill half the spray tank with water; then add the required amount of MCPPP-p 4 Amine. Mix thoroughly, adding the remainder of water during the operation.

<u>Rate of Use</u>	<u>Per 1,000 Square Feet</u>	<u>Per Acre</u>
Established greens:	1 fluid ounce in 2-1/2 gallons of water	2-1/2 pints in 20 to 40 gallons of water
Established lawns, golf fairways:	1-1/2 fluid ounces in 2-1/2 gallons of water	4 pints

TIME OF APPLICATION: To obtain the best results, MCPPP-p 4 Amine must be applied when the weeds are most susceptible and conditions are such that no damage to the grasses will occur. Apply MCPPP-p 4 Amine when the weeds are growing vigorously. During periods of drought, weeds become more resistant to herbicides. Under the same conditions, fine grasses are more susceptible to MCPPP-p 4 Amine, particularly when temperatures exceed 90°F. This chemical is absorbed by the foliage of broadleaf weeds and is translocated throughout the whole plant to roots, etc. where it eventually causes death of the plant. Do not cut or mow the lawn 2 to 3 days before or after treatment so that maximum uptake and translocation can occur. Do not spray if rain is likely, otherwise the chemical may be washed off before absorption has taken place. For the same reason, do not water the lawn for at least 24 hours after application.

Better control of the weeds classified as Less Susceptible Weeds may be obtained with repeat applications of half the recommended dose carried out at not less than monthly intervals.

MCPPP-p 4 Amine is not recommended for St. Augustine grass and Centipedegrass, as it can cause damage to these species. Do not use MCPPP-p 4 Amine on newly sown lawns or turf until grasses are well established. Reseed no sooner than three to four weeks after application of this product. Avoid drift onto other plants and do not use the first cuttings after treatment as

a mulch for flowers and vegetables.

NOTE: Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local Agricultural Experiment Station or Extension Service weed specialist and State regulatory agencies for recommendations in your area.

STORAGE AND DISPOSAL

STORAGE: Always store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticide. Store at temperatures above 32°F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep containers tightly sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. 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: Triple rinse (or equivalent). 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.

WARRANTY AND LIMITATION OF DAMAGES

Nufarm warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, and Buyer assumes the risk of any use contrary to such direction. Seller makes no other expressed or implied warranty, including any other expressed or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which claim is made.

(RV 013103)