

PM 23

228-191

146

AUG 28 1990-1990

Mr. Russell P. Sawyer
Riverdale Chemical Company
425 West 194th Street
Glenwood, IL 60425-1584

Dear Mr. Sawyer:

Subject: Amended Labeling
Riverdale 2 MCPP + 2D Amine Turf Herbicide
EPA Registration No. 228-191
Your Application Dated July 23, 1990

The amended labeling submitted in connection with the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the following front panel revision on the proposed label under the Precautionary Statements:

- Reinstate "irreversible" in the statement "Corrosive. May cause irreversible eye damage."

Submit one (1) copy of the final printed labeling before releasing the product for shipment with the amended labeling.

A stamped copy of the amended labeling is enclosed for your records.

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CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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Please be advised that the labeling of this product must be revised in accordance with the February 7, 1990 amendments to the Registration Standards for the active ingredients in this product.

Sincerely yours,

Joanne I. Miller
Acting Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

RIVERDALE

2 MCPP + 2 D AMINE
TURF HERBICIDE

A SELECTIVE HERBICIDE TO CONTROL BROADLEAF WEEDS

ACTIVE INGREDIENTS:

Dimethylamine salt of 2-(2-Methyl-4-chlorophenoxy)propionic Acid* 24.2% ✓
Dimethylamine salt of 2,4-Dichlorophenoxyacetic Acid** 24.5% ✓

INERT INGREDIENTS: 51.3%
TOTAL 100.0%

Isomer specific AOAC Method, Equivalent to:

*2-(2-Methyl-4-chlorophenoxy)propionic Acid 20.0%, 1.8 lbs./gal. ✓
**2,4-Dichlorophenoxyacetic Acid 20.4%, 1.9 lbs./gal. ✓

KEEP OUT OF REACH OF CHILDREN ✓

DANGER ✓

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
AND STATEMENT OF PRACTICAL TREATMENT ✓

NET CONTENTS

EPA REG. NO. 228-191 ✓

EPA EST. NO. 228-IL-1 ✓

Manufactured By

RIVERDALE CHEMICAL COMPANY

Glenwood, Illinois 60425-1584 ✓

ACCEPTED
with COMMENTS
in EPA Letter Data:

AUG 28 1990
~~1988~~

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

228-191

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PRECAUTIONARY STATEMENTS ✓

HAZARDS TO HUMANS AND DOMESTIC ANIMALS ✓

irreversible

DANGER ✓

Corrosive, causes eye damage. Do not get in eyes, or on skin or clothing. Wear face shield or goggles and chemical resistant gloves when mixing and loading this product. Wash nondisposable gloves thoroughly with soap and water before reusing. Harmful if swallowed or inhaled. Avoid inhalation of spray mists. Remove contaminated clothing and wash before reuse. Do not re-enter or permit workers to re-enter area until sprays have dried.

STATEMENT OF PRACTICAL TREATMENT ✓

- IF IN EYES: Immediately flush eyes with plenty of water for 15 minutes and get medical attention at once.
- IF SWALLOWED: Drink one or two glasses of water. 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 immediately. ✓
- IF ON SKIN: Wash promptly with soap and water and rinse thoroughly.

ENVIRONMENTAL HAZARDS ✓

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). When cleaning equipment, do not pour washwaters on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes. ✓

Most cases of groundwater contamination involving phenoxy herbicides such as MCPP and 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy 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. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS. ✓

GENERAL INFORMATION

2 MCPP + 2D Amine is a post-emergence herbicide especially formulated for use on turfgrass for selective control of many broadleaf weeds commonly growing in lawns without injury to desirable grasses. This product may be used on such types of turf as Merion, Kentucky bluegrass, Bermudagrass, fescues and rye grasses. Apply in Spring or Fall when weeds are actively growing.

USE PRECAUTIONS

CARE MUST BE TAKEN TO AVOID DRIFT OF SPRAY MISTS TO NON-TARGET susceptible plants such as cotton, vegetables, flowers, ornamentals, shrubs, trees, and other desirable plants. Do not spray near these plants. Do not spray on buffalo, carpetgrass, dichondra, St. Augustine, nor on grasses where desirable clovers are present. This product has been used successfully on bentgrass; however, it should not be used unless prior tests have shown it to be non-damaging under the particular conditions of use. To eradicate broadleaf weeds, it is better to use another selective herbicide for fine lawn grasses. Use a lawn type sprayer with coarse spray as wind drift is less likely. Avoid fine mists.

Do not spray exposed roots of desirable plants. Use the higher rate for hard-to-kill weeds. Do not exceed specified application dosages for any area. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results, (1) turf should not be mowed 1 to 2 days before and following application; (2) Do not apply if rainfall is expected within 48 hours; nor should lawns be irrigated (watered) for 48 hours following application. Reseed no sooner than 3 to 4 weeks after application of this product.

WEEDS CONTROLLED BY 2 MCPP + 2D AMINE

The following is a partial list of weeds controlled by MCPP + 2D Amine:

Buckhorn	Lambsquarters	Red clover
Clover	Mallow	*Red sorrel
Common chickweed	Mouseear chickweed	Stitchwort
Curley dock	Morningglory	*Speedwell
*Dandelion	Plgweed	White clover
*English daisy	Plantain	*Wild garlic
Ground ivy	Purslane	*Wild onion
Knotweed	Ragweed	Yarrow

Use high rate on chart for weeds marked with an asterisk () in the above list.

Knotweed is controlled more easily in Spring or early Summer when weeds are young.

NOTE: MCPP acts more slowly than 2,4-D so that some weeds will be controlled before others. Allow 3 to 4 weeks for complete weed control action to occur.

<u>Amount to Apply</u>	<u>Per 1,000 Sq. Ft.</u>	<u>Per Acre</u>
Low rate	2 fl. ozs.	2½ qts.
High rate	2 ½ fl. oz.	3 qts.

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PREPARATION OF THE SPRAY: This product must be mixed with water prior to use. For best results use 2 to 4 gallons of water per 1,000 sq. ft. for smaller areas; 20 to 40 gallons of water per acre for larger areas. Apply by means of a sprayer to give uniform coverage. Repeat applications may be necessary especially with heavy infestations of the less susceptible weeds indicated with an asterisk in above list. 2 days before or after application, it is wise to properly fertilizer the lawn so as to encourage the lawn to heal as rapidly as possible, filling in the bare areas where the weeds have died away. Once the weeds have been removed, the bare areas should be reseeded.

STORAGE AND DISPOSAL

STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. 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 area. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 mixtures, or rinsate is a violation of Federal law and may contaminate ground water. 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. Plastic containers are also disposable by incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

WARRANTY

Riverdale warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant, and soil conditions, mixtures with other chemicals, and factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.