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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAY 28 1997

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

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

Dear Mr. Sawyer:

SUBJECT: Label Amendment
Riverdale Cool Power Selective Herbicide
EPA Registration No. 228-317
Your Application Dated March 24, 1997

The labeling referred to above, submitted in accordance with registration under the Federal Insecticide, fungicide, and Rodenticide Act, as amended, is acceptable.

Your request for a product name change (letter dated February 7, 1997) from Riverdale MTDE Selective Herbicide to Riverdale Cool Power Selective Herbicide (letter dated April 8, 1997) has been accepted. All future correspondence on this product should reference the new name.

A stamped copy of the label is enclosed for your records. Please submit one (1) final printed copy of the above mentioned label before releasing the product for shipment.

Sincerely yours,

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

Enclosure

Mary M. Cooke
5/28/97

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RIVERDALE

MTDE™ SELECTIVE HERBICIDE

A THREE-WAY POST-EMERGENT SELECTIVE BROADLEAF HERBICIDE FOR USE ON GOLF COURSES, PARKS, ORNAMENTAL TURF LAWNS AND SIMILAR NON-CROP AREAS. KILLS DANDELIONS, CHICKWEEDS, PLANTAINS, OXALIS, SPURGE AND MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.

CONTAINS MCPA, TRICLOPYR AND DICAMBA

ONE GALLON COVERS UP TO 3.2 ACRES

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2-Methyl-4-Chlorophenoxyacetic Acid*	56.14%
Butoxyethanol Ester of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid**	5.00%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	3.60%

INERT INGREDIENTS:

Contains Petroleum Distillates	TOTAL	100.00%
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Isomer Specific AOAC Method, Equivalent to:

*2-Methyl-4-Chlorophenoxyacetic Acid	36.0%	3.0 lbs./gal.
**3,5,6-Trichloro-2-Pyridinyloxyacetic Acid	3.6%	0.3 lbs./gal.
***3,6-Dichloro-o-Anisic Acid	3.6%	0.3 lbs./gal.

MTDE™ is a Trademark of Riverdale Chemical Co.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-317

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

ACCEPTED with COMMENTS In EPA Letter Dated

MAY 28 1997

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

228-317

Revised 3/24/97

Revised listed grasses, added warm season info, deleted Chemical Hazard and restated Ornamental Turf. Previously deleted lower temperature and partially revised listed grasses via Notification.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

IF ON SKIN: Wash thoroughly with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard.

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 or rinsate nor pour washwater on the 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. Do not contaminate water used for irrigation or domestic purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA 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. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

GENERAL INFORMATION

MTDE™ is a stable solution containing a mixture of three herbicides. It is for use on Ornamental Turf such as Lawns, Parks, Cemeteries, Golf courses (Fairways, Aprons, Tees* and Roughs), and other similar non-crop areas. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

*Excluding Bentgrass tees.

USE PRECAUTIONS

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Do not use on Carpetgrass, Dichondra, nor on lawns or turf where desirable clovers are present. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Maximum kill of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Use the higher rate for hard-to-kill weeds. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature is above 85°F.

Avoid application to Bermuda, Centipede, or St. Augustine grasses unless turf injury can be tolerated. The suitable use of MTDE on these non-recommended turf species may be

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determined by treating a small area at any rate/acre which does not exceed 3-1/2 pints/acre. Prior to treatment of larger areas, the treated area should be observed for any sign of turf injury for a period of 30 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area. The user assumes the responsibility for any plant damage or other liability resulting from the use of this product on species not recommended on this label.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) avoid applying if rainfall is expected within 24 hours, nor should lawns be irrigated (watered) for 24 hours following application; (3) turf should not be mowed 1 to 2 days before and following application; (4) reseed no sooner than 3 to 4 weeks after application of this product. Adding oil, wetting agent, or other surfactant to the spray may be used to increase effectiveness on weeds, but doing so may reduce selectivity to turf resulting in turf damage. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays. Failure to observe the above precautions may result in injury to turf and other desirable vegetation.

WEEDS CONTROLLED BY MTDE™

Beggartweed, Bindweed, Black medic, Buckhorn, Burdock, Buttercup, Canada thistle, Carpetweed, Catnip, Chamise, Chickweed, Chicory, Cinquefoil, Clover, Cocklebur, Coffeeweed, Cornflower, Cornspeedwell, Dandelion, Dock, Dog fennel, English daisy, Florida pusley, Frenchweed, Goldenrod, Ground ivy, Hawkweed, Healall, Heartleaf drymary, Henbit, Jimsonweed, Knawel, Knotweed, Kochia, Lambsquarter, Lespedeza, Little Starwort, Mallow, Matchweed, Morningglory, Mustard, Oxalis (Stricta and corniculata), Parsley-piert, Pennywort, Pepperweed, Pigweed, Plantain, Poison ivy, Poison oak, Purslane, Ragweed, Red clover, Red sorrel, Sheep sorrel, Shepherdspurse, Smartweed, Sowthistle, Speedwell, Spiderwort, spotted catsear, Spurge, Spurweed, Stinging nettle, Stitchwort, Thistle, Toadflax, Veronica, Vetch, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild onion, Wild radish, Wild violet, Wood sorrel, Yarrow and many other broadleaf weeds.

PREPARATION OF THE SPRAY

Add one-half the required amount of water to the spray tank, then add this product with agitation, and finally the balance of the water with continued agitation. This material forms an emulsion in water - not a solution. This tends to separate on standing. Provide agitation to prevent such separation and ensure a uniform mixture.

ORNAMENTAL LAWNS AND TURF

Apply MTDE Selective Herbicide at the rate of 2-1/2 to 3-1/2 pints in 20 to 240 gallons of water per acre (0.91 to 1.29 fluid ounces in 0.5 to 55 gallons of water per 1,000 square feet) to control weeds growing in turf planted to Bluegrass, Fescue, Rye, Bent (excluding golf greens and tees), Bahia, Common Bermuda and Zoysia.

When treating warm season turf that is completely dormant, the higher rates may be used. When treating warm season turf that is actively growing, use a lower rate. Avoid applications to warm season turf during transition from dormancy to green-up or green-up to dormancy.

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STORAGE AND DISPOSAL

STORAGE: Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. 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: 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. 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). 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, or if allowed by State and local authorities by burning. If burned, stay out of smoke.

Local conditions may affect the use of this chemical as shown on this label. Consult State Experimental Station or Extension Service weed specialist for specific recommendations for local weed problems and for information on possible lower dosages.

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.

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