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C H E M I C A L C O M P A N Y

OFFICE: 425 WEST 194th STREET, GLENWOOD, IL 60425-1584
PLANT: 220 EAST 17th STREET, CHICAGO HEIGHTS, IL 60411-3699

June 4, 1993

Document Processing Desk (Notification)
Registration Division - H7505C
U. S. Environmental Protection Agency
401 M Street S.W.
Washington, DC 20460


Dear Sir/Madam:

Subject: PR Notice 93-3 dated March 9, 1993
Riverdale 10% Dacthal Granules
EPA Reg. No. 228-99
OPP Identifier No. 196222

Please find enclosed the necessary paperwork to notify the Agency that we are revising our label in accordance with the above subject PR Notice. Be advised that this product is part of our "John Doe" private label program. As such, we do not market this product under the Riverdale name. **Thus, there will not be any final printed label.** If there is anything else we should do at this time, please contact us immediately.

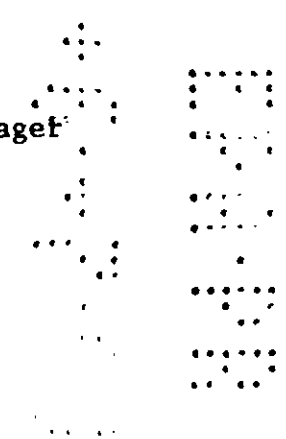
Sincerely yours,

RIVERDALE CHEMICAL COMPANY


By Russell F. Sawyer
Regulatory Affairs Manager

RFS:ls

Enc.



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(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <div style="font-size: 24pt; text-align: center;">196222</div>
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Section I		
1. Company/Product Number 228-99	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Riverdale 10% Dacthal Granules	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) RIVERDALE CHEMICAL COMPANY 425 West 194th Street Glenwood, IL 60425-1584 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section II	
<input type="checkbox"/> Amendment - Explain below <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

To comply with PR Notice 93-3

LABEL NOT REVIEWED PER PR NOTICE 93-3

DATE: 7/1/93

Section III				
1. Material This Product Will Be Packaged In:				
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No * Certification must be submitted.	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container _____		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Other (_____) <input type="checkbox"/> Stenciled				

Section IV		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Russell F. Sawyer	Title Regulatory Affairs Manager	Telephone No. (Include Area Code) 708/754-3830
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Affairs Manager	
4. Typed Name Russell F. Sawyer	5. Date June 4, 1993	

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RIVERDALE

10% DACTHAL GRANULES

Pre-emergent herbicide containing granular Dacthal^(R) to prevent annual grasses and broadleaf weeds in flower gardens, around ornamentals, vegetable gardens and turf (ornamental, golf course fairway, and athletic field).

ACTIVE INGREDIENT:		
DCPA (dimethyl tetrachloroterephthalate)	10.0%	
INERT INGREDIENTS:	90.0%	
	TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for other Precautionary Statements

EPA REG. NO. 228-99

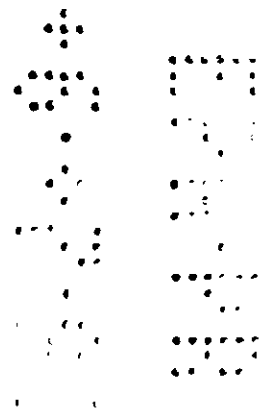
EPA EST. NO. 228-IL-1

NET WEIGHT

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584

NOTIFICATION
LABEL NOT REVIEWED
PER FR NOTICE 88-8
DATE 7/1/93



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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

If in Eyes: Flush with plenty of water. Call a physician if irritation persists.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING AND APPLYING, REPAIR AND CLEANING OF MIXING, LOADING, AND APPLICATION EQUIPMENT, DISPOSAL OF THE PESTICIDE, AND EARLY REENTRY INTO TREATED AREAS: Wear a long-sleeved shirt and long-legged pants and chemical resistant gloves.

Do not enter areas for 24 hours after application unless wearing long-sleeved shirt and long pants.

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Do not reuse contaminated clothing. Clothing worn during work must be laundered separately from household articles. Clothing that becomes heavily contaminated or drenched must be destroyed according to State and local regulations. **HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.**

ENVIRONMENTAL HAZARDS

Collect and incorporate granules spilled on the soil surface. For terrestrial uses, 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.

Groundwater Advisory: Tetrachloroterephthalic acid, a breakdown product of Dacthal, is known to leach through soil as a result of agricultural and turf uses and has been found in groundwater which may be used for drinking water. Users are advised not to apply Dacthal to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e. well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater used for drinking water.

MORTAL 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

Riverdale 10% Dacthal Granules is a granular selective herbicide formulation for use as a pre-emergent application for control of crabgrass and other annual grasses and for certain broadleaf weeds in flower and vegetable gardens and ornamental turf.

10% Dacthal Granules is recommended for use on Turf; Home Flower Gardens; Nursery Stock; Strawberries; Seeded Crops: beans (dry and snap), broccoli, brussels sprouts, cabbage, cauliflower, collards, cucumbers, garlic, horseradish, kale, melons (cantaloupe, honeydew, watermelon), mustard greens, onions, potatoes (whole and cut pieces), Southern peas (black-eyed), soybeans, squash (winter and summer), turnip greens and turnips; Transplant Crops: broccoli, brussels sprouts, cabbage, cauliflower, eggplant, garlic, peppers, onions, sweet potatoes, tomatoes and yams.

For the control of grasses and some broadleaf weed species, such as smooth and large crabgrass, green foxtail, yellow foxtail, lovegrass, witchgrass, carpetweed, common chickweed, lambsquarters, purslane and Florida pusley. 10% Dacthal Granules is recommended at 80-90 pounds per acre. A slightly higher rate of application (up to 105 pounds per acre) of the product may be required for control of barnyardgrass, ground cherry, dodder, browntop penicum, goosegrass, johnsongrass from seed, and redroot pigweed. For control of nodding spurge, spotted spurge or prostrate spurge, apply 105-120 lbs. of 10% Dacthal Granules in mid-April or when annual weed seeds, such as crabgrass, germinate. Repeat application 6-8 weeks later. A rate of 150 lbs. per acre is recommended for control of annual bluegrass in turf. When 10% Dacthal Granules is used at the recommended rate, up to 3 months weed control can be expected. Bermudagrass, johnsongrass, established from rhizomes, nutsedge, galinsoga, wild mustard, ragweed, smartweed and velvetleaf have not been effectively controlled with 10% Dacthal Granules.

Application should be made to a uniform weed-free soil surface within 2-3 days maximum following cultivation to prevent sub-surface germinating weeds from becoming established. Disturbing the soil surface following application will reduce effectiveness. Rates of application can be reduced by banding. Lawn spreaders should be properly calibrated prior to use to deliver 10% Dacthal Granules at prescribed rate. Settings may vary between spreaders because of condition and other factors.

10% Dacthal Granules can also be applied by the shaker can method. The ideal way of doing this is to measure off the area to be treated into small plots and then evenly sprinkle the prescribed quantity of 10% Dacthal Granules on this area.

Conversion Table - Acre and Smaller Areas

If Rate per Acre is	Amount of 10% Dacthal Granules to Apply	
	250 sq. ft.	1,000 sq. ft.
80 pounds	7-1/2 oz.	1 lb. 14 oz.
90 pounds	8-1/4 oz.	2 lbs. 1 oz.
105 pounds	9-1/2 oz.	2 lbs. 6 oz.
150 pounds	14 oz.	3 lbs. 8 oz.

If there is no rain within three or four days after 10% Dacthal Granules application, sprinkler irrigation (1/2-1 inch of water) should be used for best results.

Replanting: Replanting crops other than those included on this label in Dacthal treated soil within eight months of application may result in crop injury. If replanting is required because of an early crop failure, the planting of onions, seeded melons, potatoes, tomatoes, eggplants or peppers at this time may result in crop injury. However, all crops on this label may be planted following harvest of Dacthal treated crop. Any application of Dacthal should be made prior to weed seed germination.

USE PRECAUTIONS

Do not feed treated foliage to livestock or graze treated areas. Applied according to directions and under conditions favorable to good plant growth, 10% Dacthal Granules will not harm crops for which it is recommended; however, conditions such as high salt concentration, seedling disease, cold weather, deep planting, excessive moisture or drought may injure or weaken crops normally tolerant to 10% Dacthal Granules thereby increasing the possibility of herbicide damage. Under any of these conditions, one or more of the following may result, delayed crop development, reduced yields or reduced quality.

TURF AND ORNAMENTALS

Ornamental Turf: Apply uniformly to established turfgrass at 100 lbs. 10% Dacthal Granules per acre in the early spring before crabgrass and other annual grasses and broadleaf weed seeds germinate. Crabgrass seed germination usually coincides with the time Forsythia blossoms start to fall. One application in early spring before weed seed germination usually provides season long control. In areas which commonly experience stands of late-germinating crabgrass and other annual weedy grasses, a second application at half the regular rate can be safely made two months after the first application. To control annual bluegrass (*Poa annua*) and other erratic or later-germinating grasses and weeds in northern states, supplement the early spring application of 10% Dacthal Granules with an application of 150 lbs. 10% Dacthal Granules in late summer or early fall before weed seed germination. Earlier applications are required in southern United States. Consult agricultural experiment station or extension service weed specialist for date *Poa annua* seeds germinate in your area and make application at least two weeks prior to this date.

Early Spring application of 10% Dacthal Granules may be made to new turfgrass seedlings after the grasses have exhibited a uniform greening and the grass is preferably 1-2 inches in height.

Where some Spring seeding is necessary, there should be a delay of approximately 60 days after application of 10% Dacthal Granules. This delay increases the survival of desirable grasses. Fall seeding of permanent grasses may follow a single application made either in early spring up to not less than 60 days of seeding. 10% Dacthal granules is not recommended for use on putting-greens. 10% Dacthal is not recommended on bentgrasses when mowed at putting-green heights. Do not apply to Dickcissel.

Flower Gardens: Apply after establishment of bed and conditions are favorable for good plant growth, or as a supplemental application of 90 lbs. 10% Dacthal Granules per acre. Where possible the bed should be established and application made early in the spring. Delayed or secondary applications, when needed, can be made at any time provided beds have been cultivated and are free of weeds. Weed control up to three months or more may be expected following proper application. See list of ornamentals.

Nursery Stock or Ornamental Plantings: Apply at lining-out, late Fall or early Spring at 90 lbs. 10% Dacthal Granules per acre. Applications should be made to soil recently

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cultivated to a uniform texture. These can be made immediately following lining-out of stock. With established plantings, application should be made following proper cultivation to remove existing weeds. Where possible this should be done early in the Spring. Late Summer applications may prove beneficial for control of fall-germinating weeds, if made following cultivation. Weed control up to three months or more may be expected following proper application. 10% Dacthal Granules is specifically recommended for weed control on the following nursery and ornamental plantings:

Abelia	Forsythia	Pachysandra
Ageratum	Four-O'Clock	Peony
Ajuga	Foxglove	Petunia
Alyssum	Gallardia	Pine
Andromeda, Jap.	Geranium	Pittosporum
Arborvitae	Gladiolus	Podocarpus
Ash	Golddust	Poker plant
Aster	Goldentuft	Poplar
Azalea	Ground-hemlock	Privet
Babysbreath	Gum	Privet, varigated
Barberry	Hawthorn	Redbud
Bellflower	Heath, pink	Rhododendron
Birch	Holly	Rose
Bleedingheart	Hydrangea	Russian olive
Bloodleaf	Honeysuckle	Sage, scarlet
Boxwood	Iris	Salvia
Bugloss	Ivy	Scabiosa
Camellia	Juniper	Snapdragon
Candytufts	Lantana	Spiderwort, VA.
Chestnut	Larkspur, candle	Spirea
Chrysanthemum	Lavendercotton	Spruce
Cinquefoil	Ligustrum	Stonecrop
Coleus	Lilac	Strawflower
Columbine	Lily	Sundrops
Cornflower, purple	Loblolly pine	Sunflower
Coreopsis	Locust	Sweet pea
Coralbells	Lupine	Sycamore
Cosmos	Magnolia	Tea roses, hybrid
Cotoneaster	Maple	Thyme, creeping
Cottonwood	Marguerite, golden	Torch lily
Crabapple	Marigold	Tree peony
Cuphea	Mockorange	Tulip tree
Cypress	Morningglory	Verbena
Dahlia	Moss, rose	Viburnum
Daisy	Mother-of-thyme	Violet
Delphinium	Mountain laurel	Wallflower
Deulzia	Mourning bride	Walnut
Dogwood	Multiflora rose	Welgela
Elaeagnus	Nasturtium	Willow
Elm	Oak	Wormwood
Euonymus	Orpine	Yarrow
Evening Primrose	Pachistima	Yellow fernleaf
Feverfew		Yew
Fir		Zinnia
Forget-me-not		

Do not use on the following plants:

Bugleweed	Geum	Phlox
Buttonpink	Germander	Sweet William
Carnation	Mesembryanthemum	Telanthera
	Pansy	

Note: See General Information to determine proper rate for your weed complex.

CROPS

Broccoli, Brussels sprouts, Cauliflower, Cabbage: Apply uniformly to the soil at seeding or transplanting at 80-105 lbs. 10% Dacthal Granules per acre. Application can be applied directly over transplants without injury. If weeds have emerged, crops should be clean cultivated or weeded prior to application.

Beans (dry or snap), Southern peas (blackeyed), Soybeans: Apply uniformly to the soil at time of seeding at 80-105 lbs 10% Dacthal Granules per acre.

Seeded Cucumbers, Squash (winter and summer), Melons (cantaloupe, watermelon, honeydew): Apply uniformly to the soil at 80-105 lbs. 10% Dacthal Granules per acre when plants have 4-5 true leaves, are well established and growing conditions are favorable for good plant growth. Crops should be cultivated or weeded prior to application if weeds have emerged.

Collards, Kale, Mustard greens, Turnips (greens and roots): Apply uniformly to the soil at 80-105 lbs 10% Dacthal Granules per acre at time of seeding.

Garlic and Onions: Apply uniformly to soil at seeding or transplanting and/or at layby at 80-105 lbs. 10% Dacthal Granules per acre. Application can be made directly over transplants without injury. A layby application can be made on onions up to 14 weeks after seeding or transplanting; on garlic, layby application can be made when the crop plant has 3-5 true leaves. Should weeds emerge prior to layby, the crop should be cultivated or weeded before application.

Horseradish: Apply uniformly to the soil at time of planting at 80-105 lbs. of 10% Dacthal Granules per acre. Preplant incorporation is not recommended.

Potatoes (whole or cut pieces): Apply uniformly to the soil at 80-105 lbs 10% Dacthal Granules per acre at planting, drag-off or layby. If top of beds are to be dragged off, make application after drag-off. Layby application can be made up to 9 weeks after planting. If weeds have emerged at layby, the crop should be cultivated prior to application. The initial sprinkler irrigations should not exceed one inch. 10% Dacthal Granules is not recommended for use on potatoes in California.

Sweet Potatoes and Yams: Apply uniformly to the soil at 80-105 lbs. 10% Dacthal Granules per acre at time of transplanting or layby. Application can be made directly over transplants without injury. Layby application can be made up to 6 weeks after transplanting. If weeds have emerged, the crop should be cultivated or weeded prior to application.

Strawberries: New plantings - Apply uniformly to soil at 90 lbs. per acre at time of transplanting. Established plantings - Apply in early fall and early spring at rate of 80-90 lbs. per acre to control fall and early spring germinating weeds. Do not apply after first bloom through harvest. These applications can be made directly over plants without injury.

STORAGE AND DISPOSAL

STORAGE: Store in a dry place. Do not contaminate water, food or feed by storage or disposal.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment and dispose of empty bag in a sanitary landfill, or by incineration; or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrant 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 directions. Seller makes no other express or implied warranty, including any other express 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 a claim is made.

(IR933 042194)