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Systems Integration Group, Inc.

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

9688-143

DATE OF ISSUANCE

MAY 13 1999

NOTICE OF PESTICIDE:

REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Chemisico Herbicide Formula D

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chemisico
Division of United Industries Corp.
P.O. Box 15842
St. Louis, MO 63114

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(5), provided that you:

1. Add the phrase "EPA registration no. 9688-137" to the label before you release the product for shipment.
2. Indicate with an asterisk and add at the bottom of the ingredient statement the CAS No. 97886-45-6 for Dithiocarb.
3. Revise the direction for ornamentals to read: "when you treat your lawn, you can also treat ornamental listed below. To control listed weeds in ornamental plant beds apply this product at the same application rate as for lawns in your regiona."
4. Revise the "Environmental hazard" statement that reads: "Do not apply directly to water" by adding: "or to areas where surface water is present or to intertidal areas below the mean high water mark".
5. Submit a corrosion study (EPA Guideline 830.6320) within one year from the date of this registration.
6. Submit one (1) copy of the final printed label, before you release the product for shipment under the stamped enclosed label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

enclosure

Joanne I. Miller
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Joanne I. Miller

DATE

MAY 13 1999



Herbicide Formula D

[Season long weed control • Season long crabgrass preventer • One application lasts all season! • Stops weeds before they start • Prevents weeds all season • Prevents weeds in lawns • Won't harm flowers, shrubs, trees or lawn grasses listed • For use around roses and ornamental shrubs and trees listed • Safe around flowers and ornamentals listed • For use around landscaping • Contains an active ingredient used by professional landscapers • Prevents crabgrass • Prevents 38+ grasses and broadleaf weeds, including crabgrass • Provides pre-emergence and early post-emergence control of crabgrass • Prevents crabgrass all season • Prevents crabgrass up to 5 months • Formulated for superior coverage • Works up to 5 months • One application lasts up to 5 months • Up to 5 month control • Fast and easy to use • (For ready-spray nozzle: Just attach [connect] to your hose and spray - No mixing in soil required) • Water-based • Non-staining • Low odor [formula] • Treats up to 6,000 sq. ft.]

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

MAY 13 1999

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

9688-143

Active Ingredient
Dithiopyr 1.90%
Other Ingredients 98.10%
[Product protected by U. S. Patent No. 4,692,184. Other patents pending.]

KEEP OUT OF REACH OF CHILDREN

CAUTION See back for additional precautions.

NET CONTENTS 1 QT. [946 mL]

OPTIONAL MARKETING LANGUAGE

[Long lasting weed preventer • Stops weeds before they [can start to] grow • Stops weeds from growing and taking valuable nutrients and water from your ornamental plants and [or] lawn.]

This product provides pre-emergence control of listed annual grasses and broadleaf weeds in home lawns. It will not harm established ornamental plants as listed when applied as directed.

STOP. Read *ENTIRE* label before use.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. *For outdoor residential use only. Not for use on plants being grown for sale, for research purposes, for commercial seed production, or other commercial use.*



Keep people or pets off treated areas until the spray has dried.

WHAT IT DOES

Chemsico Herbicide Formula D provides pre-emergence control of crabgrass and other listed annual grasses and broadleaf weeds in your lawn. What does this mean to you? It means not only will you have a lawn free of the weeds listed below, you'll also have a lawn which will not have to compete with these weeds for space, water and essential nutrients.

HOW IT WORKS

Chemsico Herbicide Formula D prevents weeds from growing by stopping the seeds from developing [germinating]. Because it affects only the seeds and newly emerged crabgrass, it won't harm established turf grasses when used as directed. It can also be used around the base of listed established ornamentals. Treat early in the spring before weeds sprout [germinate] to get maximum weed control. This product does not kill established weeds [except newly emerged crabgrass].

WEEDS CONTROLLED

Barley, barnyard grass, bittercress, bluegrass (annual), brome, carpetweed, chickweed, crabgrass (large, smooth, Southern), crowfoot grass, dallis grass (seedling), geranium (Carolina), goosegrass, foxtail (green, yellow), henbit, knotweed (prostrate), kikuyu grass, lespedeza (common), maretail, medic

(black), mustard, oxalis (buttercup), pineappleweed, pigweed (redroot), parsley-piert, purslane (common), oats (wild), rocket (London), rye grass (annual, perennial), shepherds purse, smut grass, speedwell (corn), spurge (garden, prostrate, spotted), woodsorrel (creeping, yellow)

LAWNS [GRASSES WHICH CAN BE TREATED]

[Use on following types of lawns:] Bahia grass, Bentgrass (creeping), Bermuda grass, Bluegrass (Kentucky), Buffalo grass, Carpet grass, Centipede grass, Fescue (fine, tall), Kikuyugrass, Rye grass (perennial), Seashore paspalum, St. Augustine grass, Zoysia grass

HOW TO APPLY

ENTIRE LAWN

(OPTIONAL DIRECTIONS) PRESSURE SPRAYERS

Use 2 1/2 Tablespoons (1 1/4 fl. oz.) of product when treating in Northern regions and 5 Tablespoons (2 1/2 fl. oz.) when treating in Southern regions. See [map] [chart] for your region. Pour in the appropriate amount of product for your region into your sprayer [tank] and dilute with one gallon of water. Tightly close sprayer and shake well before treating. Use a spray pattern that gives small spray droplets without any fine mist and treat 250 sq. ft.

(OPTIONAL DIRECTIONS) DIAL HOSE-END SPRAYERS

Sprayers requiring the addition of only the product prior to application: To treat 1,000 sq. ft. of lawn:

- 1) Fill sprayer jar with 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region. Do not add water to sprayer.
- 2) Set dial on sprayer to the "1 fl. oz." setting when treating in Northern regions and to the "2 fl. oz." setting when treating in Southern regions.
- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS) PRODUCT + WATER HOSE-END SPRAYERS

Sprayers requiring the addition of both water and product prior to application: To treat 1,000 sq. ft. of lawn:

- 1) Pour product into sprayer jar to the required "fl. oz." level. Add 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region.

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- 2) Then add water to the 5 "gals." level. Replace sprayer top on jar and shake well before treating.
- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS)

READY SPRAY NOZZLE

- 1) *Shake container well before using.*
- 2) Connect garden hose to the spray ready nozzle. (graphic) Make sure the large water control dial on the nozzle is in the "OFF" position (tab is vertical). (graphic)
- 3) Turn on water at faucet. Extend hose to the farthest area to be treated and work back towards the faucet so you do not walk over treated area. Twist the small star-shaped, product control button to align the flat portion with the lock tab. Push the button in to open. (graphic)
- 4) To BEGIN spraying, point nozzle toward area to be treated and turn the large water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. (graphic)
- 5) Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. One quart will treat 6,000 sq. ft. in northern regions and 3,000 sq. ft. in southern regions. See [map] [chart] for your region. Calculate square feet by multiplying length by width. Refer to [sight gauge] [Clear-View measuring window] to guide coverage (example, when bottle is half empty, you should have covered half the area).
- 6) To STOP spraying turn large water control dial to the "OFF" position. Push small product control button in to close. Twist the small star-shaped, product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off water at faucet.
To relieve pressure, turn large water control dial to "ON" position and wait until water stops spraying before removing nozzle from hose.
- 7) To STORE unused product, place in cool area away from heat, direct sunlight or open flame.

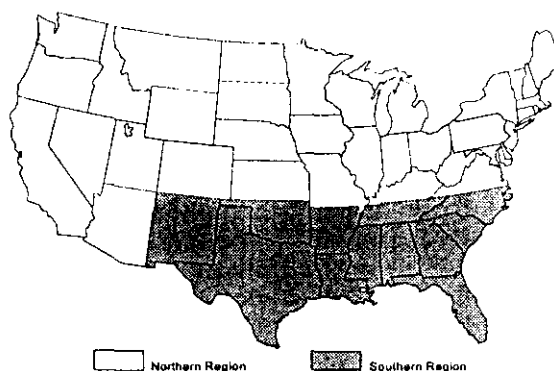
USE TIPS

- Use on lawn which is well-established. Delay treatment of a new lawn until it has received at least two mowings, so the lawn has time to develop a good root system.
- For best results, apply early in the season before weeds have started to germinate (sprout).
- Apply evenly, because poor coverage will result in uneven weed control.
- Do not apply directly to the bare roots of ornamental plants, as injury may occur.
- Do not apply under windy conditions that would cause the product to drift to sensitive plants.

- To prevent damage to the foliage of ornamentals, rinse leaves with water immediately after application to remove any spray from leaves.
- Do not treat areas where plants are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or disease.
- If your variety of lawn is not listed on this label, apply to a small area first. If grass becomes discolored, do not use this product.
- You can re-seed 5 months after applying this product.

(WHERE TO USE)

MAP FORMAT



OPTIONAL TREATMENT CHART FORMAT

<p>NORTHERN REGION AZ, CA, CO, CT, DE, IA, ID, IL, IN, KS, KY, MA, ME, MD, MI, MN, MO, MT, ND, NE, NH, NJ, NY, NV, OH, OR, PA, RI, SD, UT, VA, VT, WA, WI, WV, WY</p> <p>SOUTHERN REGION AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN, TX</p>

In New York state this product may be used only by professional applicators at no more than 8 fl. oz. per 1,000 sq. ft. per year and is prohibited from use in Nassau and Suffolk counties.

(When you treat your lawn, you can also treat the soil around your established

ornamental plants. To control listed weeds in ornamental planting beds, apply this product at the same application rate as lawns and apply around the base of the following ornamentals: Abelia, Ajuga, Almond (Flowering), Apple*, Arborvitae, Aster, Ash, Azalea, Bamboo, Barberry, Bearberry (Common), Birch, Blueberry*, Bottlebrush, Boxwood, Broom Bugle Carpet, Carex (Variegated), Camellia, Cedar (Red), Cockscorn, Coleus, Copper leaf, Cotonaster, Cycas, Coyotebrush, Cypress, Daffodil, Daylily, Dogwood, Douglas Fir, Dusty Miller, Elm, Euonymus, Fan Palm, Fescue, Fetterbush, Ficus, Forsythia, Fraser Fir, Gardenia, Geranium, Gum, Hawthorn, Heather, Hibiscus, Hemlock, Holly, Honeysuckle, Hosta, Ice Plant, Impatiens, Iris, Ivy, Jasmine, Juniper, Laurel (Australian, Mountain), Lily, Lily of the Valley, Lityurf, Ligustrum (Japanese), Liriope, Maple, Marigold, Mock Orange*, Mondo Grass, Moss Rose, Myrtle, Nadina, Oleander, Oak, Osteospermum, Palm, Pampas Grass, Paper Flower, Pachysandra, Peach*, Periwinkle, Petunia, Photinia, Pieris, Pine, Pineapple*, Pittosporum, Potentilla, Privet, Pyracantha, Quince*, Rhododendron, Rodie Max, Rose, Rosemary*, Salvia, Sedum, Spiraea, Spruce, Sourwood, Sweetflag, Sweetgum, Sycamore, Tree Fern, Tulip, Verbena, Vervain, Viburnum, Xylosma, Yaupon, Yew

*DO NOT EAT FRUIT OR VEGETABLES FROM TREATED PLANTS.]

STORAGE AND DISPOSAL

Store in a cool dry place out of reach of children and pets. Do not reuse empty container. Wrap container in newspaper and discard in trash.

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

First Aid

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting. *If in Eyes:* Flush eyes with plenty of water. Call a physician if irritation persists.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards

COMBUSTIBLE. Do not use or store near heat or open flame.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 800-332-5553

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Made in the USA for Chemsico,
Division of United Industries Corporation
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