



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number: 228-316
Date of Issuance: JUN 05 1996

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Conditional

(under FIFRA, as amended)

Name of Pesticide Product: Riverdale Turflon II Amine

Name and Address of Registrant (include ZIP Code):
Riverdale Chemical Company
425 West 194th Street
Glenwood, IL 60425-1584

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. "228-316".
 - b. Revise the first statement under the product name on the front panel to read "For the control of annual and perennial broadleaf weeds in ornamental turf and sod farms."
 - c. Delete the following text from the dermal statement of practical treatment: "Flush skin with water and get medical attention if signs of irritation develop."

Signature of Approving Official:

Date: JUN 05 1996

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EPA Reg. No. 228-316

d. Revise the paragraph under "GENERAL INFORMATION" to read as follows:

"Turflon II Amine herbicide is for use on ornamental turf such as lawns, golf courses (fairways, aprons, tees, and roughs), parks, highways, cemeteries and similar non-crop areas; and sod farms."

e. On page 5, revise the first two paragraph headings to read as follows:

"Broadcast Treatment of Ornamental Turf and Sod Farms"

"Spot Treatment of Ornamental Turf and Sod Farms Using Portable Sprayers"

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

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

Enclosure

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #2:228-316.REG

CONCURRENCES

SYMBOL ▶	7505C						
SURNAME ▶	S. Stanton						
DATE ▶	Jun 3, 1996						

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RIVERDALE TURFLON* II (Logo)
AMINE

For the control of annual and perennial broadleaf weeds in ornamental turf. To be applied only under the direct supervision of commercial applicators responsible for turf weed control program.

Active Ingredients:

2,4-dichlorophenoxyacetic acid, dimethylamine salt†	34.2%
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, as the triethylamine salt	15.2%
Inert Ingredients:	50.6%
TOTAL	100.0%

Acid equivalents:

2,4-dichlorophenoxyacetic acid	28.4%	2.78 lb/gal.
Triclopyr	10.9%	1.07 lb/gal.

†Isomer specific by AOAC Method

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. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside of label booklet for precautionary information, First Aid and Directions for Use including STORAGE AND DISPOSAL.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" elsewhere on this label.

In case of an emergency endangering life or property involving this product, call collect 517/636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 228- *GRA*

EPA Est. 228-IL-1

*Trademark of DowElanco

MANUFACTURED BY
RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584

Specialty Herbicide

ACCEPTED
with COMMENTS
In EPA Letter Dated

Net Contents gal.

JUN 0 5 1996
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

228-310

Revised A/O 5/24/96

PRECAUTIONARY STATEMENTS**Hazards to Humans and Domestic Animals****Danger**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear. **For containers of over 1 gallon, but less than 5 gallons:** Mixers and loaders who do not use a mechanical system (such as probe and pump) to transfer the contents of this container must wear coveralls or a Chemical-resistant apron in addition to other required PPE.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

Engineering Controls Statements: For containers of 5 gallons or more: A mechanical system (such as probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

- If in eyes:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly.
- If on skin:** Wash with plenty of soap and water. Get medical attention. Flush skin with water and get medical attention if signs of irritation develop.
- If swallowed:** Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. **Avoid alcohol.** Call a physician.
- If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- Note to physician:** Probable mucosal damage may contraindicate use of gastric lavage.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, to areas where surface water is present or to intertidal area below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of

groundwater supplies. Use of closed systems for mixing or 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not cut or weld container.

DIRECTIONS FOR USE

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

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides. (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. **Restricted Entry Interval:** For use on residential and other turf sites (excluding sod farms), do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried or dust has settled.

GENERAL INFORMATION

Turflon II Amine herbicide is for use on lawns, turf, golf courses (fairways, aprons, tees, and roughs), parks, highways, sod farms, cemeteries, and similar non-crop areas.

GENERAL USE PRECAUTIONS

Be sure that use of this product conforms to all applicable regulations.

Restrictions on Retreatment: Do not apply more than 2 broadcast applications per year per treatment site.

Do not apply Turflon II Amine directly to, or otherwise permit it to come into direct contact with, cotton, grapes, tobacco, vegetable crops, flowers, fruit or ornamental trees, or other desirable broadleaf plants and do not permit spray mists containing it to

drift onto them. Very small amounts of spray drift may injure susceptible plants, including ornamental trees or shrubs. Do not use for manufacturing or formulating.

Do not apply to exposed roots of shallow rooted trees or shrubs.

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto susceptible crops as injury may result.

Chemigation: Do not apply this product through any type of irrigation system.

Avoid Injurious Spray Drift. Applications should be made only when hazards from spray drift are at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured.

With ground broadcast equipment drift can be reduced by keeping the spray boom as low as possible; by applying no less than 20 gallons of spray per acre; by using no more than 20 pounds spraying pressure with flat fan or flooding flat fan nozzle tips; and by spraying when wind velocity is low.

In handgun applications drift can be reduced by using low pressure Teejet flat fan, Raindrop or other drift controlling nozzles. Standard flat fan nozzles may also be used at no more than 20 psi. At this pressure the spray pattern may be narrower.

WEEDS CONTROLLED AND APPLICATION RATES

Weeds Controlled		Rate/Acre	Rate/1000 sq. ft.
black medic carpet weed catnip chamise chickweeds chicory cinquefoil clovers cocklebur coffeeweed cornflower	henbit hop clover knawel lambsquarters lespedeza little starwort mallow matchweed plantain purslane speedwell	1-1/2 pints	1 fl. oz. or 2 tbs.
creeping beggarweed dandelion dayflower docks dwarf beggarweed field bindweed goldenrod	smartweed sowthistle spiderwort spotted catsear spurweed vetch yarrow	1-1/2 pints	1 fl. oz. or 2 tbs.
burdock buttercup mustard	poison ivy poison oak wild carrot	3 to 3-1/2 pints	1.3 fl. oz. or 2-1/2 tbs.
cornspeedwell ground ivy oxalis (stricta and corniculata)	parsley-piert prostrate spurge wild violet	3 pints (2 applications, 4 to 6 weeks apart)	1.3 fl. oz. or 2-1/2 tbs. (2 applications, 4 to 6 weeks apart)

Preparing the Spray

Add about one-half the desired amount of clean water to spray tank. Add Turflon II Amine and complete addition of water with agitation running. Mix thoroughly and continue moderate agitation while spraying.

Approved Uses

Turf

Broadcast Treatment of Ornamental Turf

Apply 1 to 2 quarts of Turflon II Amine in enough water to make 20 to 200 gallons total spray per acre to control broadleaf weeds growing in perennial bluegrass, tall fescue, or perennial ryegrass. Do not use on other grass species, such as bentgrass or St. Augustinegrass, unless injury can be tolerated. Apply from early spring through fall when weeds are actively growing. Broadleaf weed species germinate at different times. Only emerged weeds present at time of application are controlled. Additional applications should be made four weeks apart to minimize grass injury. Newly seeded turf should be mowed two or three times before being treated. Do not water for 24 hours after application. Do not reseed for 3 weeks after application.

Spot Treatment of Ornamental Turf Using Portable Sprayers

Mix 1 to 2 fluid ounces of Turflon II Amine in enough water to make 3 gallons of spray (1 to 2 quarts per 100 gallons of spray) and apply at any time broadleaf weeds are susceptible by wetting foliage of undesirable plants to point of runoff.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store above 28°F or agitate before use.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal or excess pesticide, spray mixture, or rinsate, is a violation of Federal law and may contaminate groundwater. 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.

Plastic Container Disposal: Do not reuse container. Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or incineration, or if allowed by local authorities, by burning. If burned, stay out of smoke. Consult federal, state, or local disposal authorities for approved alternative procedures.

Metal Container Disposal: Do not reuse container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. Consult federal, state, or local disposal authorities for approved alternative procedures.

WARRANTY DISCLAIMER

Riverdale warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. RIVERDALE MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application or other factors all of which are beyond the control of Riverdale or the seller. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Riverdale's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Riverdale shall not be liable for losses or damages resulting from handling or use of this product unless Riverdale is promptly notified of such loss or damage in writing. In no case shall Riverdale be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Riverdale or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

LABEL CODE 113-64-015