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228-295

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~~UNITED STATES ENVIRONMENTAL PROTECTION AGENCY~~



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
228-295

Date of Issuance:
AUG 22 1994

Term of Issuance:
Conditional

Name of Pesticide Product:
Riverdale Veteran TM
720 Herbicide

NOTICE OF PESTICIDE:
 X Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Riverdale Chemical Company
425 W. 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. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 228-295".
3. Submit two copies of the revised final printed label for the record.

Signature of Approving Official:

Date:
AUG 22 1994

EPA Form 8570-6

CONCURRENCES

SYMBOL	7505C						
SURNAME	McGowan						
DATE	8/22/94						

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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.

Sincerely yours,

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

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. If swallowed, drink 1 or 2 glasses of water and induce vomiting by sticking finger down back of throat. Never induce vomiting or give anything by mouth to an unconscious person. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. In case of contact, wash exposed skin with plenty of soap and water; for eyes flush with water for 15 minutes and get medical attention.

Personal Protective Equipment: Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

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:

If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is five gallons or more in capacity, then a mechanical system (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.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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.

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply this product only as directed on label. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

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.

The following directions apply to all uses of VETERAN 720 Herbicide. Do not contaminate irrigation ditches or water used for domestic purposes. Do not apply this product through any type of irrigation system.

SENSITIVE CROP PRECAUTIONS

VETERAN 720 Herbicide may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes and other broadleaf plants when contacting their roots, stems or foliage. These plants are most sensitive to VETERAN 720 Herbicide during their development or growing stage. FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING VETERAN 720 HERBICIDE.

Do not treat areas where either possible downward movement into the soil or surface washing may cause contact of VETERAN 720 Herbicide with the roots of desirable plants such as trees and shrubs.

River

WATER SOLUBLE INDUSTRIAL WEEDS ON RIGHTS-OF- BANKS, W

ACTIVE INGREDIENTS:

Dimethylamine salt of dicamba (3,6-di

Dimethylamine salt of 2,4-Dichlorophe

INERT INGREDIENTS:

* This product contains 10.6% 3,6-dic

** This product contains 20.4% 2,4-dic

*** Isomer specific by AOAC method 978

See side

EPA Reg. No. 228-295

Remove meat animals from treated areas 3 days prior to slaughter. Do not cut grass for hay within 30 days of application. To avoid injury to desirable plants, equipment used to apply VETERAN 720 Herbicide should be thoroughly cleaned (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT on back panel) before reusing to apply any other chemicals. Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations. VETERAN 720 Water Soluble Industrial Herbicide for Brush and Broadleaf Weed Control is recommended for use on rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control (including site preparation), fence rows, non-irrigation ditchbanks, wasteland and similar non-cropland areas.

MIXING AND APPLICATION

VETERAN 720 Herbicide is a water-soluble formulation which can be applied using water or oil/water emulsions as the carrier. Herbicide adjuvants or other spray additives (emulsifiers, surfactants, wetting agents, drift control agents, or penetrants) may be used for wetting, penetration, or drift control. Read and follow all use recommendations and precautions on the label(s) of product(s) used. A COMPATIBILITY TEST (see back panel) should be made prior to tank mixing.

VETERAN 720 Herbicide may be applied with ground or aerial equipment for broadcast treatments, or with handgun, backpack, or similar types of equipment for treatment of individual clumps or small areas (spot treatments).

NOTE: To prepare oil/water emulsions, half fill spray tank with water. Add a suitable emulsifier. Then, with constant agitation, slowly add the appropriate amount of herbicide followed by the necessary oil (or slowly add a premix of emulsifier and oil). Finally, fill the rest of the tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers.

* Do not use in Arizona in forests grown for commercial timber production.

SPECIES CONTROLLED

When used as directed, VETERAN 720 Herbicide will control or suppress many herbaceous broadleaf weeds (annual, biennial, and perennial) as well as many unwanted woody plant and vine species. Species controlled include:

Table with columns for Annuals, Biennials, and Perennials. Lists species such as Buckwheat, Wild Carpentweed, Chickweed, Clover, Cocklebur, Daisy, English Herbit, Knapweed, Lambquarters, Morningglory, Mustard, Pigweed, Ragwort, Taney, Thistle, Musk, Milkweed, Ragweed, Perennial Sorrel, Sheep, Spurge, Leafy Thistle, Canada Toadflax, Dalmation.

WOODY BRUSH AND VINES

Table listing woody brush and vines species: Alder, Ash, Aspen, Basswood, Beech, Birch, Blackberry, Cherry, Creeper, Virginia *Crosotebush, Cucumber tree, Dogwood, Elderberry, Elm, Gum, Hawthorn, Hemlock, Honeysuckle, Ivy, Poison Nutzu, Locust, Maple, Oak, Olive, Russian Persimmon, Pine, Plum, Wild Poplar, Puncturevine, Raspberry, Redcedar, Eastern Redvine, Rose, Multiflora, Sassafras, Schinus (Florida Holly, Brazil Pepper tree, Christmas-berry), Serviceberry, Snowberry, Spruce, Sumac, Sycamore, Trumpet creeper, Waxmyrtle, Willow, Witchhazel, Yaupon, *Suppression.

DIRECTIONS FOR USE

Regardless of the species to be controlled, spray volumes should be high enough to allow for good spray coverage. Make applications when weeds and brush are actively growing. The addition of surfactants can increase control. Biennials are best controlled when treated in the rosette stage. Regrowth may occur on resistant species. Retreatments may be made as needed; however, do not exceed a total of 6 gallons (6 lbs. a.i. dicamba + 12 lbs. a.i. 2,4-D) of VETERAN 720 Herbicide per treated acre during a growing season. To control additional weed species, VETERAN 720 Herbicide may be tank mixed with any of the products listed on this label.

HERBACEOUS BROADLEAF WEED CONTROL: Apply 1 to 4 quarts VETERAN 720 Herbicide in 20 to 100 gallons of water per treated acre. 1 to 2 quarts of VETERAN 720 Herbicide is recommended for annuals, 2 to 4 quarts for biennials and easy-to-kill perennials, and 4 quarts for established perennials. Do not apply more than 2 gallons of product per treated acre.

BRUSH AND VINE CONTROL - High Volume Foliar Spot Applications: Mix 1 to 2 gallons of VETERAN 720 Herbicide in enough water to make 100 gallons of spray mix. Spray volume applied will depend on the size and density of the brush to be treated, but do not apply more than 2 gallons of product per treated acre. Direct the spray to treat all foliage, stems, and root collars to wet.

BRUSH AND VINE CONTROL - Broadcast Applications with Ground Equipment: Apply 1 to 2 gallons VETERAN 720 Herbicide in 20 to 100 gallons of water per treated acre. Spray volume applied will depend on the size and density of the brush to be treated, but do not apply more than 2 gallons of product per treated acre. Spray all foliage, stems and root collars to wet.

AERIAL APPLICATIONS: Aerial applications may be made to control either herbaceous or woody plants. Apply 1 to 4 quarts VETERAN 720 Herbicide (for herbaceous weeds) or 1 to 2 gallons VETERAN 720 Herbicide (for woody brush and vines) in 5 to 40 gallons of water per treated acre.

TANK MIX TREATMENTS READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONS, DIRECTIONS FOR USE, AND OTHER RESTRICTIONS. For broader spectrum control, VETERAN 720 Herbicide may be tank mixed with one or more of the following herbicides for non-cropland uses (e.g. railroad, highway, pipeline, etc.) including forest management applications, if permitted by product labeling (e.g. 2,4-D). Add water to the spray tank prior to the addition of the tank mix products. Do not premix concentrates.

Table with columns: Herbicide, Rate (lbs. a.i./treated acre). Lists herbicides like Amitrol, Asulam (Asulox), Atratreol, Bromacil (Hyvar), Chloriflurecol (Maintain), Chlorsulfuron (Telar), Dalapon, Dicamba (Bamtel), Diquat, Diuron (Karmex), Fenac (Fenatrol), Fosamine ammonium (Krenite), Glyphosate (Roundup), Hexazinone (Velpar), Imazapyr** (Arsenal), Limit***, Maleic hydrazide (Royal Slo-Gro), Metololide (Embank), MSAA, Paraquat, Picloram (Tordon), Simazine (Princep), Sulfometuron methyl (Oust), Tebuthiuron (Spike), Triclopyr (Garlon), 2,4-D, 2,4-DF.

Due to variations that may occur in formulated products and specific use ingredients (e.g. water supplies) a COMPATIBILITY TEST as described below is recommended prior to actual tank mixing.

- Restricted use pesticides limited to certified applicators.
** Imazapyr is the proposed common name for Arsenal.
Limit does not have a common name.
*** Telar = 0.1875 to 2.25 oz. a.i./A (0.25 to 3.0 oz. product/A)
Oust = 0.75 to 9.0 oz. a.i./A (1.0 to 12.0 oz. product/A)
**** Do not exceed a total of 8 lbs. a.i. dicamba per treated acre per growing season. (VETERAN 720 Herbicide contains 1 lb. a.i. dicamba per gallon.)
***** Use of extremely hard water (500 ppm) may cause this product to form a precipitate when used in a tank mix with VETERAN 720 Herbicide. Do not exceed 4 lbs. total 2,4-D acid equivalent per acre per application per site. Do not exceed 16 lbs. total 2,4-D acid equivalent per treated acre per growing season. (VETERAN 720 Herbicide contains the equivalent to 1.9 lbs./gal. 2,4-D acid.)

COMPATIBILITY TEST

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

Table: Amount of Herbicide to Add to One Pint of Spray Carrier (Assuming Volume is 25 Gallons per Acre). Columns: HERBICIDE FORMULATIONS (Dry, Liquid), RATE PER ACRE (1 lb., 1 pt.), LEVEL TEASPOONS (1-1/2, 1/2).

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested components are compatible. Usually incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Return the above COMPATIBILITY TEST with a suitable compatibility agent (1/4 teaspoon is equivalent to 2 pints per 100 gallons of spray solution).

PROCEDURE FOR CLEANING SPRAY EQUIPMENT

The steps listed below are suggested for thorough cleaning of spray equipment following applications

- 1) Flush by operating sprayer until the system is purged of the rinse water.
2) Fill tank with water while adding 1 quart of household ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes, and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
3) Flush the solution out of the spray tank through the boom.
4) Remove the nozzles and screens and flush the system with two full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply VETERAN 720 Herbicide as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of water-dispersible formulations. VETERAN 720 Herbicide tank mixes with water-dispersible formulations require the use of a water/detergent rinse.

- 5) Complete step 1.
6) Fill tank with water while adding 2 lbs. of detergent for every 40 gallons of water. Operate the pump to circulate the detergent solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
7) Flush the detergent solution out of the spray tank through the boom.
8) Repeat step 1, and follow with steps 2,3 and 4.

STORAGE AND DISPOSAL

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

STORAGE Store in original container in a well-ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

PESTICIDE DISPOSAL Pesticide wastes are toxic. Triple rinse pesticide from containers and use rinsates in the pesticide application. Improper disposal of 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.

CONTAINER DISPOSAL Plastic or Metal: After triple rinsing (or equivalent), offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

REGISTERED TRADEMARKS

Arsenal® is a registered trademark of American Cyanamid Company.
Asulox® is a registered trademark of Rhone-Poulenc Chemical Company.
Embank® is a registered trademark of 3M.
Fenatrol® is a registered trademark of Union Carbide Agricultural Products Co., Inc.
Garlon®, and Tordon® are registered trademarks of Dow Chemical Company
Hyvar®, Karmex®, Krenite®, Oust® Telar®, and Velpar® are registered trademarks of E. I. duPont de Nemours & Co., Incorporated.
Limit® and Roundup® are registered trademarks of Monsanto Agricultural Products Company.
Maintain® is a registered trademark of U.S. Borax & Chemical Corporation.
Princep® is a registered trademark of Ciba-Geigy Corporation.
Royal Slo-Gro® is a registered trademark of Unkroyal, Incorporated.
Spike® is a registered trademark of Flanco Products Company.

LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY

Notice: Read this Limitation of Warranty and Limitation of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of seller. All such risks shall be assumed by buyer or user.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. Seller makes no other expressed or implied warranty of fitness or of merchantability or any other expressed or implied warranty.

In no event shall Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. The exclusive remedy of the user or buyer, and the exclusive liability of Seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of seller, the replacement of the product.

Seller offers this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.