

PM 25 9779-142

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

MAR 24 1994

**Glenda Haage
RIVERSIDE/TERRA CORP
600 FOURTH STREET
SIOUX CITY, IA 51101**

**OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 11/15/93 in Response to PR Notice 93-7
EPA Reg. No. 9779-142
RIVERSIDE SODIUM CHLORATE**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCanada Ink on paper that
contains at least 50% recycled fiber

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Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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RIVERSIDE/TERRA CORP
9779-142 11/15/93
RIVERSIDE SODIUM CHLORATE
Original Submission

Place the heading "Personal Protective Equipment" on your labeling in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Gloves are not required for applicators and other handlers because the dermal and skin toxicity levels are 4. Please refer to page 17 of the Main Labeling Guidance.

Delete the Nonagricultural Use Requirements box on your proposed label.

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Sodium Chlorate
Defoliant-Desiccant

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 24 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
9779-142

ACTIVE INGREDIENT
Sodium Chlorate.....28.0%
INERT INGREDIENTS.....72.0%
TOTAL 100.0%

Product contains 3.0 pounds of sodium chlorate per gallon with a fire retardant.

~~STOP READ LABEL BEFORE USING.~~

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

~~PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)~~

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with water. Get medical attention.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.
IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

See additional PRECAUTIONARY STATEMENTS on side panel.

EPA Reg. No. 9779-142

EPA Est. No. 19713-TN-1

Manufactured For
RIVERSIDE/TERRA CORPORATION
P.O. Box 6000, Sioux City, Iowa 51102-6000
Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS
GALS.

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

Harmful if swallowed. Avoid breathing spray mist. ~~Avoid contact with skin. Causes substantial but temporary eye injury. Wear goggles, face shield, or safety glasses when handling. Remove contaminated clothing and wash before reuse. Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons.~~

~~Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and protective eyewear.~~

~~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.~~

~~When handlers use closed systems, 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

Keep out of lakes, streams, ponds, and wetlands. Do not apply when weather conditions favor drift from target area. Do not contaminate water when disposing of equipment washwaters.

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

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

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 12 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.

Keep unprotected persons or pets out of treated areas until sprays have dried.

—REENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

NOTICE TO CROP OWNERS

Written or oral warnings must be given to workers who are expected to be in a

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~~treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: WARNING. Area treated with Sodium Chlorate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure refer to STATEMENT OF PRACTICAL TREATMENT on the label.~~

STORAGE AND DISPOSAL

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
STORAGE**

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Keep away from heat or ignition sources. Handle in accordance with information given under Precautionary Statements. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Store in original containers only. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

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

CONTAINER DISPOSAL: Plastic Containers-Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers-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.

GENERAL INFORMATION

CORN: For desiccation of trash weeds in early maturing corn, use 2 gallons of Riverside Sodium Chlorate in 5 to 7 gallons of water per acre by air. Apply at least 14 days before anticipated harvest date on clear days when temperature is expected to go above 70°F. Use the lower spray volume when weeds are small and the crop canopy is fairly open.

NOTE: Do not graze treated fields or feed fodder, forage or residual seeds within 14 days of application.

COTTON DEFOLIATION: Weather conditions and plant conditions affect defoliation. Weather conditions that favor good defoliation are high temperature, high humidity, low wind velocity, high to adequate soil moisture. Plant conditions which favor

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good defoliation are ample fertility and moisture, complete insect control, heavy boll load, all bolls mature, vegetative growth ceased, little or no second growth.

Conditions that contribute to poor defoliation are those adverse to the above. Nutrients should be ample but not too much nitrogen. **LEAVES SHOULD BE GREEN AND TURGID (NOT WILTED, TOUGHENED OR STUNTED BY LACK OF FERTILIZERS.)**

Apply 1 to 1 ¼ gallons of Sodium Chlorate per acre in sufficient water to give thorough coverage. When using ground equipment, apply 10 to 20 gallons of spray solution per acre, and by air, 5 to 10 gallons of spray solution per acre. Thorough coverage is essential. Apply the lower rate (1 gallon per acre) when conditions are favorable for good defoliation. Apply the higher rate (1 ¼ gallons per acre) when conditions are adverse for good defoliation. Apply Sodium Chlorate to mature cotton plants, after the youngest bolls expected to make cotton are at least 30 days old. Do not apply later than 7 days before harvest. Do not graze treated areas or feed any waste to livestock.

BEANS (DRY): To facilitate the harvest of edible dry beans, apply two gallons of Sodium Chlorate in enough water to give thorough coverage, either by aircraft or ground equipment. For air application, use a minimum of 5 gallons of ready-to-apply material per acre, for ground equipment use minimum of 20 gallons of total solution per acre. Make applications 7 to 10 days before anticipated harvest date when beans are mature and ready for harvest.

NOTE: Do not graze treated fields or feed treated foliage to livestock.

GRAIN SORGHUM: Sodium Chlorate may be used to reduce the moisture content in grain sorghum prior to harvest. It may be applied by aircraft or ground equipment. Thorough coverage of the grain sorghum is essential.

To reduce the moisture content of grain while the crop is standing, apply 1 ½ to 2 gallons Sodium Chlorate per acre in sufficient water to give thorough coverage. Apply from 7 to 10 days before harvest. Apply a total of 5 to 10 gallons of spray per acre by airplanes and 10 to 20 gallons per acre by ground equipment. Use the lower rate when grain moisture is low and the weather is clear and dry. Use the higher rate when conditions for desiccation are poor.

RICE: To facilitate harvest and reduce moisture in the fully mature seed heads and to desiccate immature red rice in mature white rice, apply by aircraft 1 ½ to 2 gallons of Sodium Chlorate per acre in 5 or more gallons of water per acre. Use the lower rate when crop conditions and weather are right to enhance rapid drying. Apply 7 to 10 days before anticipated harvest. Do not apply under conditions which favor drift. Thorough coverage of the crop is essential to achieve good results. Do not graze treated fields or feed treated straw or crop residues within 14 days of application. Where double cropping of rice is practiced, do not flood fields for at least one week

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following harvest.

SAFFLOWER: To facilitate harvest and reduce moisture in the fully mature seed heads, apply 2 gallons of Sodium Chlorate in sufficient water to give good coverage, 7 or more days before normal harvest when safflower heads are fully mature. Apply in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons of water per acre by ground. Do not apply later than 7 days before harvest. Do not graze treated fields or feed treated forage. Do not apply under conditions which favor drift.

SOUTHERN PEAS: To defoliate plants and facilitate harvest, apply 2 gallons of Sodium Chlorate in enough water to provide thorough coverage either by aircraft or ground equipment. Make application 5 to 7 days before anticipated harvest date. Do not apply under conditions of extreme heat during the middle of the day. For air application, use 5 to 10 gallons of total solution per acre; for ground application, use a minimum of 20 gallons of total solution per acre.

NOTE: Do not graze treated fields or feed treated fodder or forage to livestock.

SOYBEANS: As a soybean harvest aid to dry weeds in early maturing soybeans and to facilitate the harvest, apply 2 gallons of Sodium Chlorate per acre in enough water to give thorough coverage; application may be made by ground equipment or aircraft. Make application 7 to 10 days before anticipated harvesting date when beans are mature and ready for harvest. For air application use a minimum of 5 gallons ready-to-apply spray solution per acre; for ground equipment apply a minimum of 20 gallons of ready-to-apply spray solution per acre. Do not graze treated fields or feed treated soybean foliage. Do not apply under conditions which favor drift.

SUNFLOWER: To facilitate harvest and reduce moisture in the fully mature seed heads, apply 2 gallons Sodium Chlorate in sufficient water to give good coverage, 7 or more days before normal harvest. Apply in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons of water per acre by ground with a high clearance sprayer. Do not apply later than 7 days before harvest. Do not graze treated fields or feed treated forage to livestock. Do not apply under conditions which favor drift.

NOTICE: Seller warrants that the product 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, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use.