

Reg # 935-30

PM-25

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR - 4 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Charles L. Tramel
OCCIDENTAL CHEMICAL CORPORATION
Development Center, V-81 - Box 344
Niagara Falls, NY 14302

Subject: Label Amendment Submission of 03/09/94 in Response to PR Notice 93-7
EPA Reg. No. 935-30
SODIUM CHLORATE CRYSTAL

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

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 listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



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Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the 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 neither been reviewed nor 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:

Submit the required notification. Then 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 as amended

AND

- WITHIN one year from date of this acceptance.

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

Active Ingredient:	Sodium Chlorate (NaClO ₃)	99.7 %
Inert Ingredients:	0.3 %
	Total:	100.0 %

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

935-30

KEEP OUT OF REACH OF CHILDREN

WARNING • AVISO

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

STATEMENT OF HAZARDS:

MAY BE FATAL IF SWALLOWED • STRONG OXIDIZER • CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE • MAY CAUSE IRRITATION BY ALL ROUTES OF EXPOSURE

OxyChem Sodium Chlorate Crystal can be applied dry in the crystal form or as a water dilution spray. As a weed killer it is most effective when applied directly to the soil. However, when it is used as a cotton defoliant, a water dilution spray is more effective. Nonagricultural uses include treatments of drainage ditches, fences rows, roadsides, rights-of-way and Industrial sites. Application as directed can result in the loss of soil productivity for an extended period.

STATEMENT OF PRACTICAL TREATMENT:

FIRST AID:

If contact with the eyes occurs, immediately flush eyes with plenty of water, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.

If contact with skin occurs, wash thoroughly with soap and water. Wash clothing before reuse, discard non-rubber shoes. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

If inhaled, if symptoms develop, get person out of contaminated area to fresh air.

If swallowed, NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water, then induce vomiting by having patient tickle back of throat with finger. Keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.

PRECAUTIONARY STATEMENTS:

Hazards to Humans and Domestic Animals:

Warning: Keep container closed except when transferring material. Do not get in eyes, on skin, on clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and change into 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. Do not allow animals to feed on areas treated with Sodium Chlorate Crystal until after a rain. Ingestion of relatively large amounts may be fatal.

ENVIRONMENTAL HAZARDS:

Warning: Sodium Chlorate is not selective in its action; its presence in the soil will destroy germinating seed and inhibit plant growth. This toxic effect is temporary but may persist for approximately one year or longer; duration will vary with rate of application, soil type, fertility level, organic matter content, soil moisture, and soil temperature. This product is toxic to fish and wildlife. Do not contaminate water when disposing of equipment washwaters. Do not allow entry to sewers, irrigation waters or waterways. Do not apply where product may be washed or leach to roots of desirable plants. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS:

Warning: Sodium Chlorate, alone, does not burn. However, organic matter, including clothes, shoes, wood and dead vegetation impregnated with it may become dangerously flammable when dry. When Sodium Chlorate is applied as an aqueous spray, the clothing of the applicator is very likely to become contaminated. Unless contaminated clothing is washed immediately, it will be dangerously flammable upon drying. Do not burn the treated area; burning will reduce the killing effect. Do not apply Sodium Chlorate near valuable plants. Local conditions affect the use of herbicides. Agricultural experiment station or extension service weed specialists in the State issue recommendations to fit local conditions and their recommendations should be followed with OxyChem Sodium Chlorate Crystal. Organic materials impregnated with sodium chlorate become dangerously combustible when dry and may be ignited by friction or heat.

BEST AVAILABLE COPY

SODIUM CHLORATE CRYSTAL

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this products in a manner inconsistent with this labeling. 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 paragraph 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, chemical-resistant footwear plus socks, and protective eyewear.

HOW TO APPLY: OxyChem Sodium Chlorate gives best results when applied directly to the soil or as an aqueous spray. One to one and one-half pounds of Sodium Chlorate will dissolve readily in one gallon of water. The solution should be applied at the suggested rates for the control of different grasses, weeds, and as a cotton defoliant.

WHEN TO APPLY: For best result, apply Sodium Chlorate from August through November in areas of light winter rainfall (8 to 20 inches). In areas of heavy winter rainfall (20 inches or more) applications should be made in the spring. Excessive moisture may carry the chemical through the root zone too rapidly and insufficient moisture may not carry it into the lethal zone, resulting in poor control of grasses and weeds. High soil temperature tend to reduce killing effects of Sodium Chlorate.

RATES TO USE:

Perennial Grasses: To control such perennial grasses as Johnson, Bermuda, quack, para and others, apply 3 to 5 pounds per square rod or 1 to 2 pounds per 100 sq. feet.

Perennial Broadleaf Weeds: To control such weeds as bindweed, Canada thistle, leafy spurge, Russian knapweed, Hoary cress and other hard to kill perennials, apply 4 to 6 pounds per square rod or one and one-half to two and one-half pounds per 100 sq. feet.

Cotton Defoliant: For use as a cotton defoliant apply 3 to 5 pounds per acre. Apply when at least 70% of the bolls are open and 2 to 3 weeks prior to anticipated picking date. The youngest bolls expected to make cotton should be at least 30 days old. Do not use earlier than 30 to 40 days after cut-out (usually 40 in irrigated areas). Thorough coverage of the plant is essential. A second application may be necessary. Use the lower rate when the plants and weather conditions are ideal for defoliation. Low temperatures, or stressed, or very rank, tall cotton, would require the use of the highest rate. Do not apply during very high mid-day temperatures. Do not graze treated areas or feed gin waste to livestock.

Spot Treatment: For treating small areas, dry Sodium Chlorate Crystals may be applied by hand or with a spreader. A low pressure sprayer may be used to apply solutions of 1 to 1-1/2 pounds of Sodium Chlorate per gallon of water. Thoroughly wet the foliage of treated vegetation and dampen the soil surface under the plants.

STORAGE AND DISPOSAL: Product should be completely removed from this container. Material that cannot be used or chemically reprocessed should be disposed of in a manner meeting government regulations. Do not contaminate water, food, or feed by storage of disposal. Store separate from metals, acids, and easily ignitable substances. Dike and vent storage tanks. Use only metal containers for handling Sodium Chlorate Crystal and solutions. Thoroughly wash utensils and equipment after making applications of Sodium Chlorate.

HMS RATING SYSTEM: HEALTH 2 FLAMMABILITY 0 REACTIVITY 3

BEFORE USING THIS PRODUCT, CAREFULLY READ THE WARNING SECTION OF THIS LABEL.

MANUFACTURED BY OCCIDENTAL CHEMICAL CORPORATION
PO BOX 344 NIAGARA FALLS, NY 14302
24 Hour Emergency Phone one: 1-800-733-3865

EPA REG. No. 935-30

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EPA EST. NO. 57379-CN003
EPA EST. NO. 57379-CN004
EPA EST. NO. 57379-TX-1
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