

81987-2

7/1/2009

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FILE COPY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number:
81987-2

Date of Issuance:
JUL - 1 2009

Term of Issuance:

Conditional

Name of Pesticide Product:

Drip Clear - Sodium Hypochlorite

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

California Water Services
P.O. Box 343
Coalinga, CA 93210-0343

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 (OPP Decision No. D-407409) is registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration 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 re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA File Symbol to read, "EPA Reg. No. 81987-2".

Signature of Approving Official:

Emily Mitchell
Emily Mitchell
Product Manager Team-32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

Page 1 of 2

b. Revise the "Ingredient Statement" to include the amount of **Available Chlorine**.

Active Ingredient:	
Sodium Hypochlorite	12.5%
<u>Other Ingredients:</u>	<u>87.5%</u>
	100.0%

Available Chlorine XX%

c. The routes of exposure in the "First Aid" statement must appear in the following order: If in eyes, If on skin or clothing, If swallowed and If inhaled.

d. Revise the Hazards to Humans and Domestic Animals statement as follows:

DANGER: Corrosive. May cause severe skin irritation or chemical burns to broken skin. Causes eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated. Remove and wash contaminated clothing before reuse.

e. The container disposal language must be revised to adhere to PR-Notice 2007-4.

f. Add the following information to the "Chlorine Test Kit" information.

Chlorine demand will change depending on the water temperature and purity. **The residual chlorine should be between 1.0 ppm and 2.0 ppm with a pH of 7.2-7.6.**

g. The desired residual under the "Superchlorination" use directions must be declared at 10-20 ppm.

h. Add the heading "Sensitive Plant Species" must be added to the top of page 4 of the label.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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,

Emily Mitchell
Emily Mitchell
Product Manager 32
Regulatory Branch II
Antimicrobials Division (7510P)

Enclosures: (Stamped Label)

Drip Clear – Sodium Hypochlorite

ACTIVE INGREDIENT – Sodium Hypochlorite	12.5%
OTHER INGREDIENTS	87.5%
TOTAL	100.0%

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUL - 1 2009

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

KEEP OUT OF REACH OF CHILDREN

DANGER

81987-2

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. • Call poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when you call a poison control center or doctor. You may contact the Poison Center at 1-800-222-1222 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage	

See other precautions on this label.

California Water Services
Coalinga, CA 93210

EPA REG. NO 81987-##

EPA Est. No.

Pioneer America

Sierra Chemical Co

Jones Chemical Co.

Los Angeles Chemical Company

Hasa

61667 - CA-1, CA-2, 11138 - CA-1, CA-2

10897 - CA-1, CA-2

8996 - CA-1

1744 - CA-1

962 -CA-1, 962 - CA-2, 962 - CA-3

10897 - CA-1, CA-2

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. May cause severe skin irritation or chemical burns to broken skin. Causes eye damage. May be fatal if swallowed. Avoid breathing vapors. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash hands after handling. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

1. Goggles or face shield
2. Long-sleeved shirt and long pants
3. Waterproof gloves
4. Shoes plus socks

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or regional office of U.S. Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Use only according to label directions. Mixing this product with gross filth, such as feces, urine, etc. or with ammonia, acids, detergents, or other chemicals will release hazardous gases which are irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USE

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

Note – This product degrades with age. Use a chlorine test kit and increase dosage as necessary, to obtain the required level of available chlorine.

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 protection of workers.

This product is to be applied through drip/trickle/sprinkler irrigation systems only for agricultural crops and only where this manner of use will not cause crop damage. Drip Clear – Sodium Hypochlorite is an additive that controls both algae and bacterial growth. The dosage in ppm of Drip Clear – Sodium Hypochlorite required for injection into the water supply can be calculated by the following equation:

$$(0.006) \times (\text{ppm desired}) \times (\text{system flow rate in gallons per minute}) / 0.11$$

With a chlorine test kit, determine the residual chlorine at the farthest point from the injection point. Chlorine demand will change depending on the water temperature and purity.

DO NOT connect any irrigation system, including greenhouse systems into which Drip Clear – Sodium Hypochlorite is to be added, to a public water system unless safety devices prescribed by the state Department of Health, safe Drinking Water Branch, for cross connection protection are in place.

DO NOT apply when fertilizers, herbicides, and insecticides are being injected since they will consume the available chlorine and may produce toxic reaction products.

Shut down the feed as soon as the irrigation water is switched to the next irrigation sector. Leave the treated water residing in the sections that have been shut down.

Continuous chlorination is recommended for irrigation water containing high levels of bacteria, algae or other bio-fouling that reduces irrigation system performance. Chlorine should be injected at a dosage that will yield 1 ppm to 2 ppm of free residual chlorine. Residuals should be taken at the end of the furthest lateral from the injection point with a chlorine residual test kit. An increase or decrease of chlorine dosage will need to be made periodically to achieve/maintain, a free residual chlorine yield of 1 ppm to 2 ppm as weather and water conditions change.

Periodic shock treatments at a higher chlorine dosage of 10 ppm to 20 ppm should be performed once per month during the irrigation season. One day after the shock treatment the irrigator should open the ends of the irrigation lines to flush out any algae, bacteria or other build up which may have been clogging the lines.

Superchlorination, which is increasing the chlorine dosage concentrations to between 50 and 100 ppm is recommended if systems are clogged by algae, bacteria or root intrusion. After the proper chlorine dosage has been set on the chlorinator inject the chlorine until the desired residual is achieved at the furthest lateral from the injection point. Once the desired residual is achieved, turn off the water to the system for 24 hours. The high concentration of chlorine will vigorously attack organic material and will help clear the blockage. After the high concentration has set in the system for 24 hours flush the irrigation system until there is no longer free chlorine residual in the system.

Certain plants, including various species of trees, flowers, shrub, agronomic crops, fruits and vegetables are adversely affected by chlorinated irrigation. The use of this product can impact the growth, appearance and health of plants.

Begonias, geraniums and other ornamental plant species are known to be sensitive to continuous chlorination at levels of 1-2 ppm free chlorine. Plant species such as tomato, lettuce, broccoli, and petunia are sensitive to periodic chlorination levels of 10-20 ppm free chlorine.

If uncertain of a plant's tolerance, consult an agronomist or a support agency such as your local University Extension Service or your local agent of the US Department of Agriculture.

STORAGE AND DISPOSAL

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spills, flood areas with large quantities of water. If container required a deposit, return it to distributor for a refund. If container is a "no deposit" container, then triple rinse and discard.

WARRANTY AND DISCLAIMER

California Water Services warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein.

California Water Services makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty is made regarding performance, stability or otherwise warranty.

In no case shall California Water Services be liable for consequential, special or indirect damages resulting from the use or handling of this product including, but not limited to, loss of profits, business reputation, or customers; labor cost, or other expenses incurred.

In no case shall California Water Services be liable for the consequences resulting from the misuses or mishandling of this product.

California Water Services offers this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by an authorized representative of California Water Services.

