

PM 32

1258-427

File 1/89



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

SEP 15 1994

A. HALE VANDERMER
OLIN CORPORATION
8110 GATEHOUSE ROAD
SUITE 600
FALLS CHURCH, VA. 22042

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 03/24/94 in Response to PR Notice 93-7
EPA Reg. No. 1258-427
HTH DRY CHLORINATOR

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 Soy/Canola Ink on paper that
contains at least 50% recycled fiber

Page 2

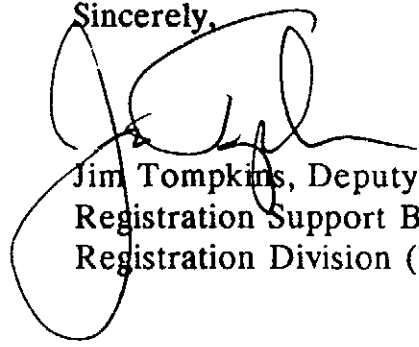
Submit the final printed labeling via the U.S. Postal Service to:

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,

A handwritten signature in black ink, appearing to read 'Jim Tompkins', is written over the typed name and title.

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

Attachment

389
A. Hale Vandermer
Olin Corporation

Comments for EPA REG NO: 1258-427
HTH DRY Chlorinator

The following specific comments pertain to your WPS labeling submission for the product cited above:

The Statement: "Agricultural Use Requirements:

Use this product only in accordance with labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard."

must appear on the container label and must either be placed in a clearly separate box or printed on the label in a contrasting color from surrounding text.

The Agricultural Use Requirements section on your supplemental label must either be placed in a clearly separate box or printed on the label in a contrasting color from surrounding text.

The Non-Agricultural Use Requirement box in the Directions for Use section or your labeling contains the statements: "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." This statement should be followed by any statements from your original label about entry restrictions that apply to the non-agricultural uses on your product. If there were no statements on your original label about entry restrictions that apply to the non-agricultural uses on your product then you should delete the Non-Agricultural Use Requirement box in the Directions for Use section. Please refer to the instructions for creating a Non-Agricultural Use Requirements box starting on page 45 of Supplement three to PR Notice 93-7.

Add the following statement on your proposed label: "Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. The exact location is shown in Section A on Part 1 of the Product Worksheet.

489

HTH DRY
CHLORINATOR GRANULAR
FOR SWIMMING POOLS

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.)

CONTAMINATION MAY CAUSE FIRE
MIX ONLY INTO WATER
SEE PRECAUTIONARY STATEMENTS ON BACK PANEL

ACTIVE INGREDIENT:
CALCIUM HYPOCHLORITE.....68%
INERT INGREDIENTS.....32%
TOTAL.....100%

AVAILABLE CHLORINE..68%

EPA Reg. # 1258-427

EPA Est. # 1258-TN-1

FIRST AID (PRACTICAL TREATMENT): IF ON SKIN: brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

IF INHALED: Remove person to fresh air. Call a physician immediately.

IF IN EYES: Flush with cold water for at least 15 minutes. Call a physician immediately.

IF SWALLOWED: Drink large quantities of water. Do not induce vomiting. Call a physician immediately.

Kills bacteria, Controls algae, Destroys organic
contaminants, No need to predissolve

Net Wt. 100#

OLIN CORP.
120 LONG RIDGE RD.
STAMFORD, CT. 06904

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 15 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1258-427

(Supplemental Labeling for Agricultural Use)

"Agricultural Use Requirements:

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for use section for information about this standard."

Directions for Use: It is a violation of Federal law to use this product in a manner inconsistent with its 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 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 over long-sleeved shirt and long pants.
- *Waterproof gloves
- *Chemical-resistant footwear plus socks
- *Protective eyewear
- *Chemical-resistant headgear for overhead exposure

MUSHROOMS: To control bacterial blotch (*Pseudomonas tolaasii*), use a 100 to 200 ppm solution prior to watering mushroom production surfaces. This solution may be made by mixing 0.2 to 0.4 ounces of this product with 10 gallons of water. First application should begin when pins form, and thereafter, between breaks on a need basis depending on the occurrence of bacterial blotch. This product may be applied directly to pins to control small infection foci. Apply 1.5 to 2.0 oz. per square foot of growing space.

(labelver\wps.doc)

Precautionary Statements

Hazards to Humans and Domestic Animals: Danger. Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Irritating to nose and throat.

Personal Protective Equipment

Mixers and Loaders of the concentrate 68% calcium hypochlorite product must wear:

1. Coveralls over long-sleeved shirt and long pants.
2. Waterproof gloves.
3. Chemical-resistant footwear plus socks.
4. Protective eye wear.
5. Chemical-resistant headgear for overhead exposure.
6. Chemical-resistant apron when cleaning equipment, mixing or loading.
7. Dust/mist filtering respirator (MSHA/NIOSH....D/M approval number prefix TC-21C).

Applicators and other handlers of the diluted (100-200 ppm solution) must wear:

1. Coveralls over long-sleeved shirt and long pants.
2. Waterproof gloves.
3. Chemical-resistant footwear plus socks.
4. Protective eye wear.
5. Chemical-resistant headgear for overhead exposure.

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 Hazard: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

Chemical Hazards: Danger. Strong oxidizing agent. Mix only into water. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion. Avoid any contact with flame or burning material, such as a lighted cigarette. Do not contaminate with moisture, garbage, dirt, chemicals.

Emergency Handling: In case of contamination or decomposition, if possible, isolate container in open and well-ventilated area. Flood with large volumes of water to dissolve all materials. Dispose of contaminated material in an approved landfill area.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to users of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR 170). The WPS applies when this product is used to produce agricultural plants, on farms, forests, nurseries, or greenhouses.

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER. Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Do not handle with bare hands. Wear goggles or face shield and use rubber gloves and only thoroughly clean dry utensils when handling. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before reuse.

CHEMICAL HAZARDS: DANGER. Strong oxidizing agent. Mix only into water. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion. Avoid any contact with flame or burning material, such as a lighted cigarette. Do not contaminate with moisture, garbage, dirt, chemicals including other pool chemicals, pool chlorinating compounds, household products, cyanuric acid pool stabilizers, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags or any other foreign matter.

EMERGENCY HANDLING: In case of contamination or decomposition, if possible, isolate container in open and well-ventilated area. Flood with large volumes of water to dissolve all materials. Dispose of contaminated material in an approved landfill area.

ENVIRONMENTAL HAZARD: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling. This product is a concentrated chlorinating agent in a dry, free-flowing form which controls growth of algae, kills bacteria, and destroys organic contaminants in pools, spas and hot tubs .

READ THE PRECAUTIONARY STATEMENTS BEFORE USE.

METHOD OF APPLICATION: Measure only with the clean, dry cup provided. Do not use the cup for any other purpose. Add the recommended dosages of this product during evening hours while the filter pump is running. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool.

ROUTINE CHLORINATION: Throughout the pool season, adjust pH to 7.2-7.6 and add 6 to 8 oz. of this product per 10,000 gallons pool water daily or as often as needed to maintain chlorine residual at 1-3 ppm. If you have stabilized your pool using HTH Stabilizer/Conditioner (or similar product), add 3 to 4 oz. per 10,000 gallons every other day or as often as needed to maintain chlorine residual at 1-3 ppm. Follow "Method of Application" above.

As a preventative treatment, you should shock treat your pool once per week to prevent pool problems. In addition to weekly shock treatment, you should shock treat to remedy problems which may occur when bathing loads are high, water appears hazy or dull, unpleasant odors or eye irritation occur, after heavy wind and rainstorms, or if algae does develop with resulting green color and slimy feeling.

SHOCK TREATMENT: Adjust pH to 7.2 - 7.4 with HTH pH Plus or HTH pH Minus. Follow label directions. Add 1 lb. (16 oz.) of this product per 10,000 gallons of water (to provide a dosage of 7.5 ppm free available chlorine). Follow 'Method of Application' above. Do not reenter pool until chlorine residual is 1.0 to 3.0 ppm.

ALGAE CONTROL: If the sides or bottom develop algae spots, direct this product as close to the algae as possible. Follow shock treatment directions above. Note: Prolonged contact with pool surfaces may cause staining or bleaching. Immediately after treatment, thoroughly clean pool by scrubbing surface of algae growth, vacuum and cycle through filter. If necessary, repeat the treatment. Pool should not be entered until the chlorine residual is 1 to 3 ppm.

979

OPENING YOUR POOL: Follow 'Shock Treatment' directions above. Allow 30 minutes for product to disperse and test chlorine residual with a pool test kit. Repeat dosage, as needed, until chlorine residual is 1 to 3 ppm.

WINTERIZING:

While the water is still clear and clean, prepare for long periods of disuse by gradually applying 30 oz. of this product per 10,000 gallons of pool water (to provide a dosage of 15 ppm free available chlorine). Follow 'Method of Application' above. Run the filter until completely dissolved. Cover the pool with a plastic pool cover and prepare the heater, pump and filter components for winterizing by following manufacturers directions.

WATER BALANCE:

To provide optimum product performance, swimmer comfort and crystal clear water, always maintain pH in the 7.2-7.6 range, total alkalinity in the 60-100 parts per million (ppm) range and calcium hardness above 200 ppm. Use a reliable test kit that measures all these ranges. Make necessary adjustments with the appropriate HTH Pool Care Products. Follow label directions for these products.

TO DETERMINE YOUR POOL CAPACITY IN U.S. GALLONS, USE THE APPROPRIATE FORMULA BELOW:

<u>POOL SHAPE</u>	<u>FORMULA (Use measurements in feet only)</u>
RECTANGULAR	LENGTH X WIDTH X AVERAGE DEPTH X 7.5 = TOTAL GALLONS
ROUND	DIAMETER X DIAMETER X AVERAGE DEPTH X 5.9 = TOTAL GALLONS
OVAL	MAXIMUM LENGTH X MAXIMUM WIDTH X AVERAGE DEPTH X 5.9 = TOTAL GALLONS
FREEFORM	SURFACE AREA (SQ. FEET) X AVERAGE DEPTH X 7.5 = TOTAL GALLONS

STORAGE & DISPOSAL

Keep this product dry in a tightly closed container when not in use. Store in a cool, dry, wellventilated area away from heat or open flame. In case of decomposition isolate container (if possible) and flood area with large amounts of water to dissolve all materials before discarding this container. Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage or disposal or cleaning of equipment.