

FILE



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

JAN 28 1994

LINDA C. WATSON  
SOUTHERN CALIFORNIA CHEMICAL COMPANY INC.  
7322 SOUTHWEST FREEWAY  
SUITE 1400  
HOUSTON, TX 77074

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/15/93 In Response to PR Notice 93-7  
EPA Reg. No. 11435-3  
COPPER SULFATE LIQUID

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.

**BEST AVAILABLE COPY**



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

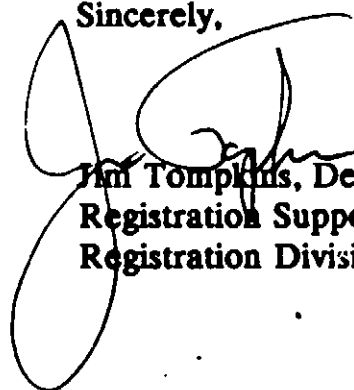
Submit the final printed labeling via the U.S. Postal Service to:

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

# COPPER SULFATE LIQUID DANGER-PELIGRO KEEP OUT OF REACH OF CHILDREN

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).

APPLY THIS PRODUCT ONLY AS SPECIFIED ON THE LABEL

## ACTIVE INGREDIENT

Copper Expressed as Metallic	6.0%
INERT INGREDIENTS	94.0%
<b>TOTAL</b>	<b>100.0%</b>

\* From Copper Sulfate Pentahydrate

Weight — 9.83 lb/gal

Contains 0.59 lb. metallic copper/gal. or 70.7 g/liter  
EPA Reg. No. 11435-3 EPA Est. No. 35896-IL-1

## 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 24 hours.

PPE required for 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.

1. **STATIC or MINIMAL FLOW SITUATIONS** (Reservoirs, Lakes and Ponds): Accurately determine the number of acre feet of water to be treated. An acre foot of water is equal to one acre of water one foot deep, 328,000 gallons, or 2,720,000 pounds of water.

For control of filamentous and planktonic algae, apply one gallon of LIQUID COPPER SULFATE per acre foot of water. This application rate will result in a copper concentration of 0.22 ppm in the treated water. Dilute the recommended amount with at least 20 parts of water and apply the mixture as a uniform surface spray. Break up floating algae mats prior to application. The most effective algae control is obtained under calm sunny conditions.

For control of bottom-attached algae (Chara and Najas), use 2 gallons per acre foot of water to be treated. Dilute the recommended amount of LIQUID COPPER SULFATE in 4 gallons of water and apply as a uniform surface spray.

2. **FLOWING WATER SITUATIONS** (Irrigation/Potable Water Conveyance Systems): Accurately determine the flow rate of water in Cubic Feet per Second (C.F.S.) or Gallons per Minute (Gal./Min.). One C.F.S. equals 450 Gal./Min. Apply 0.8 fluid ounces of LIQUID COPPER SULFATE per minute per C.F.S. by a gravity feed or similar drip system and maintain this drip rate for 45 minutes. This drip rate will maintain a copper concentration of 1 ppm in the flowing water for 45 minutes.

Make the application at a point of turbulence in the canal for good dispersion of the chemical. The distance of control depends upon the density of algae growth. For this reason, the application should be made as soon as the algae starts interfering noticeably with the flow of water.

This material undiluted is corrosive to metal and should not be allowed to remain in contact with metal dip apparatus or spray equipment. Rinse spray equipment thoroughly after use.

### 3. RICE FIELDS

**Algae in Rice Fields:** Apply 4 1/2-5 1/2 gallons Copper Sulfate Liquid per acre to the water surface as a surface spray. Application should be made when the algae has formed on the soil surface but prior to rising to the water surface. Apply higher rate (5 1/2 gallons) in water of 6 inches or greater.

**Rapidly Shyng Rice Fields:** Apply 2 1/4-4 1/2 gallons of Copper Sulfate Liquid per acre to the flooded field at any time the pest appears between planting time and until the seedlings are rooted and have emerged through the water surface. The lower rate should be used when the water depth and flow rate are minimal and higher rate should be used when the water depth and flow are at a maximum.

### 4. WOOD TREATMENT

**Green Pooled Posts:** To prevent fungus decay and/or rot, prepare a solution of 18.0 pounds of sodium chromate in each 26 gallons of water to be used and a separate second solution of 7 1/2 gallons of Copper Sulfate Liquid in each 24 gallons of water to be used. Soak the treated green posts, butt-end down first, in the copper sulfate solution for 3 days; then butt-end down in the sodium chromate solution for 2 days, and finally turn the posts upside down in the sodium chromate solution for 1 additional day. Remove and rinse the posts with clear water.

### NOTE

Areas treated with LIQUID COPPER SULFATE may be used for swimming or fishing immediately after treatment. Water from treated lakes or ponds may be used to irrigate turf, lawns, putting greens and ornamental plants.

Recommendations for use of this product are based upon tests believed to be reliable. Since aquatic field conditions vary widely, the user must determine the suitability of this product for his particular application. Necessary approval and/or permits should be obtained in states where required.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush with plenty of water. Call a physician.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. (NOTE TO PHYSICIAN: Probable mucousal damage may contraindicate use of gastric lavage.)

### PRECAUTIONARY STATEMENTS

#### DANGER-PELIGRO

Causes severe eye and skin irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with the skin, eyes, or clothing. Avoid breathing spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof 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.

### USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 pesticide is toxic to fish and aquatic organisms. Do not apply directly to water except as directed under the specific instructions section. Drift and runoff from treated terrestrial sites may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Direct application of copper sulfate to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not treat more than one-half of lake or pond at one time in order to avoid depletion of oxygen levels from decaying vegetation. Allow 1 to 2 weeks between treatment for oxygen levels to recover.

Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acid waters. However, fish toxicity generally decreases when the hardness of water increases. Do not contaminate water when disposing of equipment/washwaters. Consult your State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

### STORAGE AND DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinse is a violation of Federal Law. 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. Store in a cool, dry place.

**CONTAINER DISPOSAL:** 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.

### WARRANTY STATEMENT

SOUTHERN CALIFORNIA CHEMICAL CO., INC. warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

SOUTHERN CALIFORNIA CHEMICAL CO., INC.

Santa Fe Springs, CA 90670

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 28 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
11435-3