

17545-1

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MAR 5 2004

Lynn P. Georges  
Regulatory Affairs Manager  
Monterey Chemical Company  
P.O. Box 35000  
Fresno, CA 93745-5000

Subject: Zinc-Copper Spray 25%-25%  
EPA Reg. No. 17545-7  
Your amendment dated October 10, 2003

Dear Ms Georges:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. In the First Aid block next to "If in eyes", add the following: "Call a poison control center or doctor for treatment advice."
2. Under the section "Hazards to Humans and Domestic Animals," replace the sentence "May cause skin sensitization reactions in certain individuals" with "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
3. In the section "Personal Protective Equipment (PPE), replace "Waterproof gloves" with "Chemical resistant gloves made of any waterproof material."
4. In the "Agricultural Use Requirements" block, replace "Waterproof gloves" with "Chemical resistant gloves made of any waterproof material."

One copy of the label stamped "Accepted with comments" is enclosed for your records. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at [westin.robert@epa.gov](mailto:westin.robert@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to be "CJ" or similar initials, written over a horizontal line.

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosure



MONTEREY  
CHEMICAL  
COMPANY

# ZINC-COPPER SPRAY 25%-25%

For control of certain diseases of citrus  
and various deciduous fruit and nut crops

**Active Ingredient:**

Basic copper sulfate\* ..... 47.1%

**Other Ingredients:** ..... 52.9%

**Total:** ..... 100.0%

\* Metallic copper equivalent = 25%

Metallic zinc equivalent = 25%; derived from zinc oxysulfate.

EPA Reg. No. 17545-7

EPA Est. No. 48498-CA-1

Manufactured for:

**MONTEREY CHEMICAL COMPANY**

P.O. Box 35000 • Fresno, CA 93745-5000 • (559) 499-2100

www.montereychemical.com

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

If in eyes:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
If swallowed:	<ul style="list-style-type: none"> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing:	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May cause temporary eye irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with the eyes, skin or clothing. Avoid breathing dust or mist.

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are given, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements: 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

This product is toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. 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. 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 workers entry into treated areas during the restricted entry interval (REI) of 24 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
- Protective eyewear

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

**DIRECTIONS FOR DILUTION:**

**Dilute Applications:** Apply the recommended rate for deciduous tree crops and citrus crops in at least 400 gallons per acre.

**Concentrate Applications:** Apply the recommended rate in at least 50 gallons per acre.

**Aerial Applications:** Apply the recommended rate in at least 10 gallons per acre.

**NOTE:** MAINTAIN ADEQUATE AGITATION AT ALL TIMES.

**RATE RECOMMENDATIONS**

For all recommendations listed below, unless otherwise noted, use the high rate when rainfall is heavy and/or disease pressure is high.

**ALMONDS, APRICOTS, CHERRIES, PLUMS & PRUNES:** For control of Bacterial Blast (*Pseudomonas*), Brown Rot Blossom Blight and Coryneum Blight (Shothole), use 32-40 lbs. per acre in dormant and/or delayed-dormant bud sprays through popcorn stage. Apply the higher rate in dormant sprays through bud swelling and the lower rate at popcorn stage.

**APPLES:** To control Fire Blight, apply 4-5 lbs. per acre at 10% bloom and repeat at 5-7 day intervals through late bloom. For control of Anthracnose (except in California), annually apply 12-16 lbs. per acre to foliage after harvest for red varieties and once every 2 to 3 years for yellow varieties.

**CITRUS:** To control Brown Rot and Septoria Leaf / Fruit Spot (California only), apply 10-20 lbs. per acre at first indications of fall rains or disease appearance. Repeat as needed during wet weather.

**NECTARINES & PEACHES:** For control of Bacterial Spot, Brown Rot Blossom Blight, Peach Blight (*Coryneum*) and/or Leaf Curl, apply 32-40 lbs. per acre as a dormant spray before fall rains, before bud swell, and again at full pink bud. To control Leaf Curl, application must be made before the foliage buds swell. Note: Applications made after pink bud will result in injury.

**PEARS & QUINCE:** Do not use on D'Anjou, Comice or Seckel pear varieties. To control Fire Blight, apply 4-5 lbs. per acre at 10% bloom. Repeat at 5-7 day intervals through bloom. To control *Pseudomonas* Blight, apply 18-32 lbs. per acre before fall rains, while dormant, and again before spring growth occurs. Excessive dosages may result in russetting.

**WALNUTS:** To control Walnut Blight, apply 32-40 lbs. per acre at early pre-bloom and again at 10-20% pistillate bloom. Use 3-5 additional sprays during the growing season, if needed.

**CAUTION:** Certain varieties of almonds, nectarines, peaches, pears and plums may be sensitive to foliar applications of ZINC-COPPER SPRAY 25%-25%. Test application to part of several trees is suggested to assess potential undesirable effects under specific use conditions.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Keep in original bag. Do not reuse empty bag. Store in cool, dry place.

**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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE AND WARRANTY**

Monterey Chemical Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Monterey Chemical Company neither makes, nor authorizes any agent or representative to make, any other warranties, express or implied, including fitness or merchantability.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather, and plant conditions, presence of other materials, or other influencing factors, all of which are beyond the control of Monterey Chemical Company and Seller. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material not in strict accordance with directions given herewith. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.

NET WEIGHT: \_\_\_ LBS / \_\_\_ KG

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
MAR 5 2004

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

17545-7