

LACCO CopperOxyChloride Sulfate 50% Sprayable Fungicide contains copperoxychloride together with specially selected and stabilized mineral fillers and appropriate surface active agents. **LACCO CopperOxyChloride Sulfate 50% Sprayable Fungicide** is spray dried to produce a fine uniform sprayable powder that wets out and goes into suspension readily in water.

Do NOT apply as a dry powder. Fill the spray tank half full of water, begin agitation and add spray adjuvants if needed. As tank continues to full, add required amount of this product. Constant agitation during spraying operation is necessary to maintain adequate suspension.

This product is compatible with most other insecticides and/or fungicides EXCEPT lime sulfur and dithiocarbamates. When used in combination with oil, OBSERVE THE PRECAUTIONS ON THE OIL LABEL.

CopperOxyChloride Sulfate 50% Sprayable Fungicide is prepared for use against certain diseases of crops as listed below. Unless otherwise noted dosages are given in pounds of this product per 100 gallons of water to be applied as a full coverage spray with conventional spray equipment. Maximum dosages refer to pounds of this product per acre per application. When rates are given as ranges, use lower rates when disease conditions are light to moderate and higher rates when conditions are severe.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes eye [and skin] irritation. Do not get in eyes, skin, or on clothing. Harmful if swallowed. Wear goggles, face shield or safety glasses when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not apply after petal fall during the growing season or exposure of wastes. Do not apply when weather conditions favor drift from the areas treated. Do not apply where runoff is likely to occur. Apply this product only as specified on this label.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE: Keep product dry in closed container. Do not use empty container for any other purpose.

DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

FRUIT AND NUT CROPS

ALMONDS: Brown Rot - Apply 1 lbs. in pre-bloom and petal fall periods. Do not exceed 30 lbs. per acre. Shothole fungus - Apply 4 lbs. plus 2 gallons of an 80% dormant oil. Apply as a fall spray, in spring at bud swell and at petal fall.

California Only: To control Shothole Fungus - Apply 12 to 16 lbs. per acre as a dormant spray up to bud swell. To control Brown Rot and Shothole Fungus apply 12 to 16 lbs. per acre in pre-bloom and petal fall applications. Apply in a minimum of 30 gallons of water per acre by ground, or 20 gallons of water per acre by air.

APPLES: Fire Blight - Apply 1/2 lb. at full bloom, petal fall and late secondary bloom. Do not exceed 3 1/2 lbs. per acre.

APRICOT: Brown Rot - Apply 4 to 4 1/2 lbs. at red bud, early bloom and again at full bloom. Shothole Fungus - As a fall spray, apply 4 to 4 1/2 lbs. from November 15 to December 15. Do not apply after petal fall during the growing season or exceed 30 lbs. per acre.

California Only: To control Shothole Fungus apply 12 lbs. plus 6 gallons of a dormant flowable oil emulsion in a minimum of 20 gallons of water per acre by ground or 10 gallons of water per acre by air. Use as a dormant spray up to bud swell.

BLACKBERRY, RASPBERRY: Leaf and Cane Spot, Yellow Rust - Apply 1 1/2 to 1 3/4 lbs. when new laterals leaf out and again when flowers begin to open. After harvest, prune and remove old fruit wood and before fall rains apply 3 1/2 to 3 3/4 lbs. Do not exceed 5 1/2 lbs. per acre.

BOYSENBERRY, LOGANBERRY: Leaf Cane Spot - Apply 6 lbs. Apply when new laterals are leafing out, and repeat when flowers begin to open. A post harvest spray at 6 lbs. applied after pruning but prior to the fall rains is of benefit in controlling above diseases. For all treatments do not apply more than 6 lbs. per acre.

CHERRY: Brown Rot, Leaf Spot - Apply 1 to 1 1/2 lbs. at petal fall, full bloom and again at petal fall. Do not apply after petal fall or exceed 25 lbs. per acre.

California Only: To control Brown Rot and Leaf Spot - Apply 7 1/2 lbs. in 20 gallons of water per acre by ground or 7 gallons of water per acre by air. Apply at petal fall, full bloom and petal fall periods.

CITRUS: Brown Rot - Apply 1 to 1 1/2 lbs. as directed spray, applying 6 gallons per tree to the lower 3 to 4 feet of tree skirts and 2 to 4 gallons per tree to the trunk and soil or litter beneath the tree in November or December and again in January or February depending upon the amount of rain during this period. The addition of 1/2 to 1 1/2 lbs. of hydrated lime plus 4 oz. of sticker adjuvant may increase the effectiveness of this operation. Do not apply in areas where copper injury is known to occur or where fumigation with hydrogen cyanide gas is practiced.

GRAPES: Downy and Powdery Mildew, Black Rot - Use 3 1/2 lbs. plus 4 lbs. of hydrated lime in 125 gallons of water per acre. Spray thoroughly both upper and lower leaf surfaces. Begin when disease is first reported in the area and repeat at 7 to 10 day intervals or as required for effective control. For Black Rot control, apply when buds break and repeat when shoots are 10 inches long, when blossoms fall and berries reach size of BB shot.

PEACHES, NECTARINES: Peach Leaf Curl, Peach Blight - As a fall spray, apply 1 to 4 1/2 lbs. from November 14 to December 15. If this application cannot be made, make applications just before bud swell. Peach Blight, Brown Rot - Apply 1 to 1 1/2 lbs. at pink bud. Do not apply after pink bud during the growing season. Do not exceed 18 lbs. per acre on peaches or 25 lbs. per acre on nectarines.

California Only: Peaches, Nectarines - To control Peach Blight and Leaf Curl, use 12 to 16 lbs. in a minimum of 30 gallons of water per acre by ground or a minimum of 20 gallons of water by air applications. Apply as a dormant spray up to bud swell.

PEAR: Fire Blight - Apply 1/2 lbs. at 10% bloom, repeat every 5 days until late bloom is over. If rain occurs during this period, shorten intervals to 3 days. If rain is forecast, and no spray was applied within the last 72 hours, apply immediately. Do not apply to d'Anjou or Comice varieties or exceed 5 1/2 lbs. per acre.

California Only: To control Pear Blight use 2 to 3 lbs. per acre in a minimum of 10 gallons of water per acre by ground or a minimum of 20 gallons of water per acre by air. Apply during bloom and other periods favorable to Blight infections.

PLUMS, PLUMS: Brown Rot - Apply 1/2 to 3/4 lbs. at petal fall and full bloom. Do not apply after petal fall or exceed 4 1/2 lbs. per acre. Use as a dormant spray up to bud swell.

California Only: Plums - Apply 6 lbs. in 40 gallons of water per acre by ground or in 10 gallons of water per acre by air. Apply in pre-blossom and petal fall periods.

WALNUT: Walnut Blight - Apply 2 1/2 to 3 1/2 lbs. at 1% pistillate bloom and again at 10 to 20% pistillate bloom. Do not exceed 45 lbs. per acre.

California Only: To control Walnut Blight apply 12 to 16 lbs. in sufficient water to cover one acre. By air, apply in a minimum of 20 gallons of water per acre. By ground, apply in a minimum of 40 gallons of water per acre. Apply in pre-bloom, bloom and post-bloom periods.

FIELD AND ROW CROPS

For disease control on the following crops, use 3 to 4 lbs. **LACCO CopperOxyChloride Sulfate 50% Sprayable Fungicide** per acre (unless otherwise indicated) in 25 to 100 gallons of water per acre at 7 to 10 day intervals to protect new growth throughout the growing season.

BEANS: Downy and Mildew Spot.

BEETS: Blight, Leaf Spot - Apply 2 1/2 lbs. per acre. Begin before disease appears. Repeat at 7 to 14 day intervals during growing season.

EPA REG. NO. 962-

EPA EST. NO. 962

Lacco

**COPPER OXY CHLORIDE
SPRAYABLE FUNG
FOR:
FRUIT-NUT-FIELD & RO
AND ORNAMENT**

ACTIVE INGREDIENT:

Copper* expressed as metallic

INERT INGREDIENTS:

*Copper as metallic derived from Copperoxychloride
copper as metallic derived from basic copper sulf

KEEP OUT OF REACH

WARNING

HARMFUL IF SWALLOWED, DO NOT

See Additional Warnings on

PRACTICAL TREATMENT:

WARNING

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting. Do not induce vomiting or give anything by mouth if unconscious.

IF ON SKIN: Flush with water. Remove and wash contaminated clothing.

IF IN EYES: Immediately flush with large quantity of water. Seek medical attention if irritation persists.

LOT NUMBER

LOS ANGELES CHEMICAL COMPANY, 4545 A

NOTICE: Recommendations for the use of this product are based upon information believed to be reliable at time of printing. The use of this product being beyond the control of THE ANGELES CHEMICAL COMPANY, no guarantee, expressed or implied is made as to the effects of such use. The results to be obtained if not used in accordance with directions or established safe and sound practice. **THE BUYER** must assume all responsibility, including injury or damage, resulting from its misuse as such or in combination with other products.

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Los Angeles Chemical Co.
4545 Ardine Street
South Gate, CA 90280

Attention: R. M. Chavez

Gentlemen:

Subject: Lacco Copper Oxy Chloride Sulfate 50%
EPA Registration No. 962-342
Your letter dated February 4, 1983

The studies submitted on the above date have been reviewed by our scientific staff. All the studies except the Acute Oral Study are acceptable to support the conditional registration of this product. However, for future submissions, note the following:

1. In the Acute Dermal Study, individual necropsy reports for each animal must be submitted.
2. In the Eye Irritation Study, nine animals/six with treated unwashed eyes and three with treated washed eyes must be used.

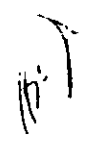
The Acute Oral Study is core supplementary data and therefore unacceptable to support this registration because LD₅₀'s and 95% confidence limits for males and females were not submitted. The study will be acceptable when these data are submitted.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable. A stamped copy is enclosed for your records.

At the next printing, add the following Pesticide Disposal Statement to the Storage and Disposal Section:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.

Sincerely,



Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (15-7670)