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59639-7

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MAY 14 1990

Jackie DiMaggio
Valent U.S.A. Corporation
1333 N. California Blvd
Walnut Creek, CA 94596-8025

Subject: Amended Labeling: Additional Precautionary Statements
Valent Lime Sulfur Solution
EPA Registration No. 59639-9
Your Submission Dated December 5, 1989

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.

The Precautionary Review Section (PRS) has completed review of the above mentioned amendment and has the following comments:

1. - An acute toxicity data base does not exist for Valent Lime Sulfur Solution (EPA Reg. No. 56939-9). The following acute toxicity studies should be submitted to the Agency; conducted using Valent Lime Sulfur Solution:

Acute Oral Study
Acute Inhalation Toxicity Study
Primary Dermal Irritation Study

Acute Dermal Study
Primary Eye Irritation Study
A Dermal Sensitisation Study

55200:I:A-4:Lewis:R-11:05/11/90:06/10/90:ka:sw:vo:ka

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

2. A complete review of precautionary labeling for Valent Lime Sulfur Solution cannot be completed until receipt of the requested Acute Toxicity Studies.

Sincerely yours,

SL

Susan Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

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VALENT Lime Sulfur Solution
EPA Reg. No. 59639-9-AA
Date Submitted: 11/30/89

Copy A

Wash contaminated clothing before reuse. Discard contaminated footwear.

Copy B

For skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. See a doctor if irritation persists. If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. If inhaled, remove person from exposure area.

HAZARDS TO HUMANS & DOMESTIC ANIMALS
DANGER

Corrosive to eyes Concentrate causes eye damage and skin irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing spray mist.

STATEMENT OF PRACTICAL TREATMENT

In case of eye contact, immediately flush eyes with fresh water for 15 minutes and see a doctor. ~~Wash skin thoroughly with soap and water. If swallowed, give large quantities of water, induce vomiting, and see a doctor immediately.~~

Note to Physicians: Emergency Information call: 415 233 3737

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

MAY GIVE OFF HIGHLY TOXIC AND EXTREMELY FLAMMABLE
HYDROGEN SULFIDE GAS IF MIXED WITH ACIDS

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH
PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH
APPLICABLE STATE AND FEDERAL REGULATIONS

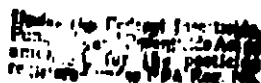
REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift

Do not enter treated areas without protective clothing until sprays have dried.

Certain states may require more restrictive reentry intervals. Consult your State Department of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

UNLESS OTHERWISE SPECIFIED - USE INDICATED AMOUNT
VALENT LIME-SULFUR SOLUTION TO MAKE 100 GALLONS
DILUTED SPRAY



Lime-Sulfur Solution

(FUNGICIDE-INSECTICIDE-MITICIDE)

Active Ingredient	By wt.
Calcium Polysulfide	29%
Inert Ingredients	71%
Density — Baume at 60 F.	31
Contains 6.5% calcium and 22.5% sulfur expressed as gypsum — 30 lbs. per gal. Other combined sulfur 1.9 lbs. per gal. Product Weight 10.59 lbs. per gal. at 68 F.	

ORTHORIX® — Reg. TM of Chevron Chemical Company for calcium polysulfide (fungicide-miticide).

KEEP OUT OF REACH OF CHILDREN
DANGER—PELIGRO
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

NET CONTENTS

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Walnut Creek CA 94596-0025

Product 92 Made in U.S.A.

Form 251 A

FPA Ref No: 52639 9 AM

DIRECTIONS

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

APPLES: Scab, Powdery Mildew—Use 4 to 5 gal. VALENT Lime-Sulfur Solution or 2 gals. VALENT Lime-Sulfur Solution plus 10 to 15 lbs. of Venable Sulfur. Apply at green tip stage. Aerial application: Green tip stage, use 10 to 8 gals. per acre. To make a foliar mist, use 15 to 20 gals. per acre. Concentrate Sprayer: Use 15 gals. in 60 to 100 gals. water per acre or 8 gals. VALENT Lime-Sulfur Solution plus 10 to 15 lbs. Wettable Sulfur.

CANEBERRIES (Boysenberries and Raspberries): Red Berry Trouble (Blackberry Mite) — Use 7 gals per 100 gals water by ground. Aerial Application: Delayed dormant use 7 gals per 15 to 20 gals water. Apply when leaf buds first start to open or as a delayed dormant. Make a fall application at the same rate of dilution after old canes have been removed from the field.

CITRUS: Red Spiders—2 gals Apply when the Spiders appear
Thrips—2 gals Apply as recommended by your State Agricultural
Experiment Stations

GRAPES (Dormant Only): Powdery Mildew, Mealybugs—2 to 5 gals to 100 gals water. Apply 200 gals dilute spray per acre.

GRAPES (Growing Season): Powdery Mildew. Eradication — Apply 2 to 4 qts plus 1 to 4 bs Wettable Sulfur, plus 1/2 pt OMORIX Foliage Spray (as a wetting agent) per 100 gal. water. Apply at the rate of 300 gals of spray mix per acre to thorough coverage. Do not apply after 5:00 a.m. or during the day when maximum temperatures are expected to exceed 35 F or sulfur burn may occur.

HIMALAYA BLACKBERRIES: Red Berry Trouble (Blackberry Mite)—
Use: 4 gals. Apply when the leaf buds begin to open. Follow in the
early summer with Avertable 5-1-1 or ORTHOL Summer Oil
Sprays.

ORANGES (Navel and Valencia) Flat Mite, Thrips, Light Infestations of Citricola Scale — Apply 4 to 5 gals. per 100 gals. water. Apply in winter between January 1 and March 15, but before new shoot exceed 1/2 inches in length. Do not apply where heavy copper residues are present.

PEACHES, NECTARINES: Leaf Curl, Brown Rot—c gals. Apply in late dormant period just before the buds begin to swell and in early winter after leaf fall. Concentrate Sprayer. Follow recommendations of State Agricultural Experiment Station.

PEARS: Bud Mite (Pacific Coast States)—5 gals. plus 2 gals. light medium summer oils. Apply in the fall after temperature falls but before the first frost at the time mites first penetrate under the bud scales. Pear Leaf Blister Mite—1 to 7 gals. Apply in dormant season up to time buds swell. May be combined with oil labeled for dormant use. S. & S. VALENTINE Lime Sulfur. Section on cracked Bud Stage and 2 to 3 qts. in Cluster Bud Stage. Concentrate Sprayer. Follow recommendations of State Agricultural Experiment Station.

**FOR PSOROPTIC AND SARCOPHTIC SCAB OF CATTLE.
FOR PSOROPTIC SCAB OF SHEEP.**
OFFICIAL REQUIREMENT—This product meets the standards set forth by the United States Department of Agriculture for the official dipping of Cattle and Sheep for Scabies (Psoroptic, Sarcoptic and Cheyletiotic varieties). We guarantee the contents of this solution to be of the same composition as the sample we submitted to the Department for examination and that when diluted according to the directions printed hereon for the treatment of Scabies (Psoroptic, Sarcoptic and Cheyletiotic varieties) on Cattle and Sheep will produce solutions of the composition required by the regulations of the Secretary of Agriculture relative to Scabies (Psoroptic, Sarcoptic and Cheyletiotic varieties) on Cattle and Sheep.

OFFICIAL DIS-
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Scabies (Pso)
and Sheep o
CAUTION:
Some fruits a
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of damage

PROHIBITION
Do not conduct
or cleaning of
Open dumping

STORAGE
Keep pest control
or dilute in a
shade
For help with
material, call

PESTICIDE
This product
pesticide spr
Law. If these
to label instr
mental Control
of the nature

CONTAIN
Triple-rinse can
be punctured
out by other
OPTIONAL
When drum
manufacturers

IMPORTANT: LIMITED WARRANTY that this product and its label and its use when used as directed, labeling, and use represent a true representation of the product specifically, for use as directed, and for use as directed.

OR FITNESS

2 Critical to prevent a fraud of this product, damage to product, complete or partial, and such risks of under overage and even that technology assumed by storage, and 3 Precautions and hazard