

PM 21 49832-3

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

JAN 10 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Linda C. Watson
SUNBELT CHEMICAL INC.
Highway 31 West
Atmore, AL 36502

Subject: Label Amendment Submission of 09/15/93 in Response to PR Notice 93-7
EPA Reg. No. 49832-3
MICROFINE SULFUR

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

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 listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



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

Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the 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 neither been reviewed nor 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:

Submit the required notification. Then 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 as amended

AND

- **WITHIN** one year from date of this acceptance.

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

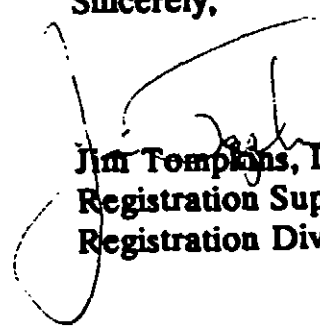
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Hand or courier deliveries of final labeling may be made to:

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

cc: Office of Compliance Monitoring

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Linda C Watson
SUNBELT CHEMICAL INC.
HIGHWAY 31 WEST
ATMORE AL 36502

Comment for: EPA Reg Nr.49832-3
MICROFINE SULFUR

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

Add the following User Safety Recommendation to the label
in the location shown in Section A on Part 1 of the Product
Worksheet in Supplement Three-A to PR Notice 93-7: "Remove
clothing immediately if pesticide gets inside. Then wash
thoroughly and put on clean clothing."

Add the following User Safety Recommendation to the label in
the location shown in Section A on Part I of the Product
Worksheet in Supplement Three-A to PR Notice 93-7: "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."

The eyewear requirement for "applicators and other handlers"
in the "Personal Protective Equipment" section on your
proposed labeling is missing or incorrect. Remove the
incorrect requirement (if any) and add "Protective Eyewear".

The exact location is shown in Section A and B on Part 1 of
the Product Worksheet in Supplement Three-A to PR Notice
93-7.

The eyewear requirement for early entry in the Agricultural
Use Requirements Box on your proposed labeling is missing or
incorrect. Remove the incorrect requirement (if any) and
add "Protective eyewear". The exact location is shown in
Sections F and G on Part 2 of the Product Worksheet in
Supplement Three-A to PR Notice 93-7.

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MICROFINE SULFUR
FOR SPRAYING FRUITS
VEGETABLES & ORNAMENTALS

ACTIVE INGREDIENT:

Sulfur..... 90.0%
INERT INGREDIENTS:..... 10.0%
TOTAL:..... 100.0%

FINENESS: Not Less than 93% Passing 325 Mesh.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash immediately with soap and water. Get medical attention.

IF IN EYES: Immediately flush eyes with plenty of clear water for at least 15 minutes. Call a physician if irritation persists.

See Side Panel For Additional Precautionary Statements.

EPA REG. NO. 49832-3

EPA EST. NO. 49832-AL-1

MANUFACTURED BY
SUNBELT CHEMICALS, INC.

P. O. BOX 5
ATMORE, AL 36504

NET CONTENTS: 30 LBS.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 10 1994

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

49832-3

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION

7 9 12

Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation of nose, throat, or skin. Causes moderate eye irritation. Avoid breathing spray mist and dust. Avoid contact with skin, eyes, or clothing. Do not contaminate feed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers other than mixers and loaders must wear: Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Mixers and loaders must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

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.

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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff conditions are likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks and flame. Do not smoke while applying this product.

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 of 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 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 and shoes plus socks.

Apply this product only as specified on this label.

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

Do not use this product for any uses other than those specified on this label.

SUNBELT MICROFINE SULFUR is formulated for use in water as a spray on fruit, vegetables and ornamental crops for the control of certain fungal diseases and mites. It may be combined in the spray tank with most of the commonly used fungicides and insecticides.

Pour the specific amount of this product on surface of water in spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear type spray equipment. Do not combine with emulsifiable liquids unless previous use of the mixture has proven physically compatible and safe to plants.

CAUTION: Do not use sulfur in combination with or within two weeks of an oil spray. On citrus, do not use within 60 days of an oil spray. Do not use sulfur on apples or other sensitive crops when shade temperatures exceed, or are likely to exceed 90°F. Do not apply or allow sulfur to drift to Cucurbits (cucumber, cantaloupe, melon, squash) or tung. To do so may result in severe fruit and leaf injury.

RECOMMENDATIONS:

Consult State Agriculture Experiment Stations or the State Agriculture Extension Service for additional information as the timing and number of applications needed will vary with local conditions.

All dosages given on this label are for dilute sprays (1x concentrations). For use in concentrate sprays, increase the amount of product by the concentrate factor. For example, if normal use is 5 lbs. per 100 gallons applied to one acre, the 5x concentrate rate will be 25 lbs. per 100 gallons applied to 5 acres. Spray often enough to keep new growth protected.

IMPORTANT: Use the higher dosage during periods of frequent and heavy rainfall. Spray often enough to keep susceptible growth covered. This may require weekly or bi-weekly applications during periods of rapid growth and frequent rainfall. When using Lead Arsenate with SUNBELT SULFACIDE 92 Sulfur, always add the same amount of Spray Lime, or other safener, as would be used when applying Lead Arsenate without sulfur. When using Zinc Sulfate and Spray Lime as a safener on peaches, always add Zinc Sulfate to the spray tank first, followed by Spray lime. Lead Arsenate and sulfur in order given.

When growing crops for processing, consult the processor before applying sulfur.

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FRUIT AND NUT CROPS

ALMONDS: Brown Rot, Powdery Mildew, Leaf Spot, Scab - 2 to 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom, petal fall and as a cover spray every 10-14 days or after a period of wet weather. Mites - Brown, Almond, European Red, Two-Spotted, Pacific, Strawberry (Atlantic) Silver, Flat - 2 to 6 lbs. per 100 gals. as needed when infestation is noted. Do not apply within two (2) weeks of an oil application.

APPLES: Scab, Powdery Mildew - 2 to 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom, petal fall, shuck and as a cover spray throughout the season. Mites - Blister, European Red, and Two-Spotted - 2 to 6 lbs. per 100 gals. as needed when infestation is noted.

Avocados: Brown Mite - 30 lbs. per acre as needed.

CANE FRUITS: Blackberries, Blueberries, Boysenberries, Currants, Dewberries, Gooseberries, Huckleberries, Loganberries, Raspberries; Powdery Mildew - Apply 1 to 3 lbs. per 100 gals. of water or 6 to 15 lbs. per acre when new shoots are 6 inches long and before blossoms open. Repeat at 10 day intervals as necessary.

CHERRIES: Brown Rot Blossom Blight, Powdery Mildew, Leaf Spot, Rust - 2 to 6 lbs. per 100 gals. of water - Apply pre-bloom, bloom petal fall and as a cover spray at 7 to 14 day intervals and as a post-harvest foliar treatment for leaf spot. Mites - Silver and Flat - 2 to 6 lbs. per 100 gals. as needed.

CITRUS: Rust Mites - Use 25 to 75 lbs. per acre, depending upon tree size, in sufficient water to cover. Begin application at first sign of damage and repeat as necessary. Rust mites should be controlled at all times of the year to prevent russetting of fruit and greasy spot of leaves.

FIGS: Fig Rust Mite - Apply 44 lbs. per acre when mites first appear. Since the effectiveness of sulfur varies in different localities, State Agricultural Experiment Stations should be consulted as to the effectiveness before application.

GRAPES: Powdery Mildew, Bud Mites, Blister Mites, Red Spider - 2 lbs. per 100 gals. of water or 2 to 5 lbs. per acre, preferably by ground equipment, beginning when shoots are 6-8 inches long and continuing at 7-10 day intervals. Concord and other Labrusa type grapes may be injured by sulfur.

MANGOES: Powdery Mildew - 10 to 30 lbs. per acre. Begin before bloom. Repeat in bloom, after fruit set and 3 weeks later or as necessary.

OLIVES: For control of Olive Mite - Apply 55 to 76 lbs. per acre. Do not use Sulfur in hot weather as damage may result to crop and foliage.

PEACHES AND NECTARINES: Brown Rot Blossom Blight, Coryneum Blight, Rust, Powdery Mildew, Scab - 2 to 6 lbs. per 100 gals. of water pre-bloom, bloom, petal-fall and in cover sprays at 7-14 day intervals. Peach Silver Mites - 2 to 6 lbs. per 100 gals. of water as needed when infestations appear.

PEARS: Scab, Powdery Mildew - 2 to 6 lbs. per 100 gals. of water - Pre-Bloom, petal fall, shuck and as a cover spray throughout the season. Mites - Blister, European Red, Two-Spotted - 2 to 6 lbs. per 100 gals. of water as needed. Sensitive varieties such as D'Anjou and Comice may be injured by sulfur under certain climatic conditions.

PISTACHIOS: Citrus Flat Mite - 55 lbs. per acre. Apply when mites first appear and repeat as necessary. May be applied by ground or air.

PLUMS AND PRUNES: Brown Rot Blossom Blight, Scab, Powdery Mildew, Rust, Leaf Spot - 2 to 6 lbs. per 100 gals. of water pre-bloom, bloom, petal fall and as a cover spray at 7 to 10 day intervals. Silver Mites, - 2 to 6 lbs. per 100 gals. of water as needed.

QUINCE: Brown Rot, Powdery Mildew, Scab - Apply 38 to 65 lbs. per acre. Begin before diseases are expected to appear. Repeat at 7 to 10 day intervals or as necessary.

STRAWBERRIES: Powdery Mildew - 1 to 3 lbs. per 100 gals. of water or 5 to 10 lbs. per acre. Sulfur may injure strawberries under certain climatic conditions.

WALNUTS: Mites - European Red, Pacific, Almond, Two-Spotted - 2 to 4 lbs. per 100 gals. of water. Apply with miticide sprays to increase effectiveness. Certain varieties of walnuts are sensitive to sulfur. Do not apply unless the variety is known to be sulfur tolerant.

VEGETABLE CROPS

ARTICHOKES: Leaf Spot - Apply 27 to 38 lbs. per acre. Begin when disease first appears and repeat at 7 to 10 day intervals as necessary.

ASPARAGUS: Rust - Apply 10 to 20 lbs. per acre after cutting stops, and at 7 to 10 day intervals through the season, during the fern period, apply at 2 to 3 week intervals or with a regular insect program. For Two-Spotted and Brown Mites - Use 4 to 6 lbs. per acre as necessary.

BEAN AND PEAS: Powdery Mildew, Rust, and Leaf Spot - 3 to 6 lbs. per acre at first sign of infection and every 7 to 14 days as necessary. Mites - Two-Spotted, Pacific, Strawberry (Atlantic) - 3 to 6 lbs. per acre as necessary.

CARROTS: Powdery Mildew - 5 to 10 lbs. per acre. Begin at first sign of disease and repeat at 7 to 10 day intervals.

COLE CROPS: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens, Rutabagas, Turnips - Powdery Mildew - 3 to 5 lbs. per acre beginning in early leaf stage and repeating every 10 to 14 days as needed, or immediately after rain. Mites - Two-Spotted, Pacific, Strawberry (Atlantic) - 3 to 5 lbs. per acre as necessary.

EGGPLANTS: Powdery Mildew - Apply 22 to 38 lbs. per acre. Begin when first true leaves appear. Repeat at weekly intervals.

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ONIONS AND GARLIC: Powdery Mildew - 5 to 10 lbs. per acre. Begin before disease is expected to appear and repeat as necessary.

PEPPERMINT AND SPEARMINT: Powdery Mildew - Apply 4 to 5 lbs. per acre when mint is 5 to 6 inches tall or when disease appears. Repeat twice, at 30 day intervals. Do not apply within 30 days of harvest.

PEPPERS: Powdery Mildew, Leaf Spot - 3 to 5 lbs. per acre beginning in the early leaf stage and repeating every 10 to 14 days as necessary.

POTATOES: Powdery Mildew, Leaf Spot - 3 to 5 lbs. per acre. Apply when disease first appears and repeat at 3 to 4 week intervals. Two-Spotted Mites - 3 to 5 lbs. per acre as necessary.

SPINACH: Powdery Mildew, Rust - Apply 9 to 33 lbs. per acre. Apply when diseases first appear. Repeat at 7 to 10 day intervals.

TOMATOES: Tomato Russet Mite - 2 to 5 lbs. per acre in sufficient water to assure thorough coverage. Begin when infestation first occurs and repeat as necessary, or with the regularly scheduled insect program.

FIELD CROPS

ALFALFA: Lygus Mites, Pacific Mites, Strawberry Mites - 3 to 5 lbs. per acre as necessary. Repeat at two week intervals.

CLOVER: Powdery Mildew, Spider Mites: Apply 16 to 27 lbs. per acre. Apply at first sign of disease or infestation and repeat at 7-10 day intervals as needed to maintain control.

CORN AND SORGHUM: Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites - 3 to 5 lbs. per acre when infestation first appears, repeating as necessary.

COTTON: Strawberry (Atlantic) Mites, Lygus Mites - 6 to 9 lbs. per acre beginning when infestation first occurs and every 7 to 14 days as necessary.

COWPEAS: Rust - Apply 6 to 27 lbs. per acre. Begin soon after seedlings emerge. Repeat at 7 to 10 day intervals through the season.

FLAX: Powdery Mildew - Apply 22 to 33 lbs. per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals or as necessary.

GRASS SEED CROPS: Timothy Mite - Apply 33 lbs. per acre. Begin when infestation first occurs and repeat at 7-10 day intervals as needed to maintain control.

HOPS: Mite Suppression - Apply 33 to 44 lbs. per acre. Begin when infestation first occurs and repeat at 7-10 day intervals as needed to maintain control.

PEANUTS: Rust, Powdery Mildew, Leaf Spot - 3 to 5 lbs. per acre beginning in early leaf stage and repeating every 10 to 24 days as necessary.

SMALL GRAINS: Barley, Oats, Rye, Wheat: Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 5 lbs. per acre as necessary.

SOYBEANS: Powdery Mildew - 3 to 5 lbs. per acre. Apply when disease appears and repeat as necessary. Two-Spotted Mites, Pacific Mites, Strawberry (Atlantic) Mites - 3 to 5 lbs. per acre beginning when infestation is first noted, repeating as necessary.

SUGAR BEETS: Powdery Mildew - 3 to 5 lbs. per acre beginning when disease first appears, repeating at 3 to 4 week intervals.

VETCH: Rust - Apply 27 to 44 lbs. per acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals.

FLOWERS AND ORNAMENTALS

APPLICATION: To control the diseases and red spiders listed below, use **SUNBELT MICROFINE SULFUR** as a dust or spray using 6 lbs. per 100 gals. of water. Applications should be made at 5 to 7 day intervals, beginning when the disease or mites first appear and continuing until all danger from the disease is past. During periods of humid or rainy weather it may be necessary to make applications as often as every 2 to 3 days.

POWDERY MILDEW: Aster, Chrysanthemum, Cosmos, Dahlia, Daisy, Delphinium, Dogwood, Euonymus, Golden Pleece, Hibiscus, Honeysuckle, Hydrangea, Lady's Mantle, Ligustrum, Lilac, Crepe Myrtle, Phlox, Poplar, Silver Vine, Rose, Spiraea, Sunflower, Verbena, Willow and Zinnia.

LEAF SPOT: Calendula, Cherry Laurel, Clematis, Columbine, English Ivy, Foxglove, Hydrangea, Petunia, Phlox, Sage, Smilax and Snapdragon.

BLACK SPOT: Rose. **POWDERY MILDEW:** Rose.

BOTRYTIS BLIGHT: Hydrangea.

RED SPIDERS: Arbovitae, Carnation, Cedars, Chrysanthemums, Clematis, Hydrangea, Rose, Snapdragon and Sweetpeas.

STORAGE AND DISPOSAL

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

STORAGE: Store in a 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.

WARRANTY STATEMENT

SUNBELT CHEMICALS, INC. warrants that this product in its unopened package 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 on the crops specified. There are no other warranties, expressed or implied concerning the use of this product other than indicated on the label. 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.