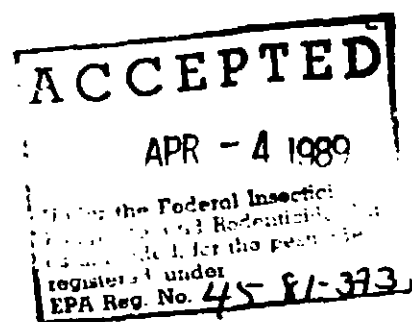



# MICROTHIOL SPECIAL

## Micronized Wettable Sulfur

ACTIVE INGREDIENT:	
Sulfur .....	80.0%
INERT INGREDIENTS .....	20.0%
TOTAL .....	100.0%



 **PENNWALT**  
CHEMICALS • EQUIPMENT  
HEALTH PRODUCTS

EPA Reg. No. 4581-373  
EPA Est. No. 44420-FR-1

**NET CONTENTS 55 LBS/25 KG**

Sold by  
**Pennwalt Corporation—Agchem Division**  
Philadelphia, PA 19102

Made and Printed in France

## **KEEP OUT OF REACH OF CHILDREN**

### **CAUTION**

#### **STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN**, wash with soap and water.

**IF IN EYES**, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**IF SWALLOWED**, give one or two glasses of water and induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person.

#### **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

#### **CAUTION**

May cause irritation of eyes. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by disposal of equipment washwater. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas.

#### **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 through any type of irrigation system.

#### **REENTRY STATEMENT**

Do not enter treated areas without protective clothing within 24 hours after application. Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long legged trousers, shoes and socks. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, such warnings shall be given in a language customarily understood by the workers. Oral warnings must be given when there is reason to believe that written warnings cannot be understood by the workers. Written warnings must include the following information: "CAUTION. Area treated with MICROTHIOL SPECIAL on (date of application). Do not enter without protective clothing within 24 hours after application. Protective clothing means, at least, a hat or other head covering, a long-sleeved shirt and long legged trousers, shoes and socks."

#### **APPLICATION INSTRUCTIONS**

Apply through any type of handheld, knapsack, mechanical or pneumatic spraying equipment.

**MIXING** Pour the required amount of MICROTHIOL SPECIAL into the indicated amount of water while stirring. MICROTHIOL SPECIAL disperses instantly.

##### **Dilute Application**

Ground. Specified rate in 20 to 60 gallons of water per acre.  
Orchard. Specified rate in 100 to 800 gallons of water per acre.

##### **Concentrated Application**

Ground. Specified rate in 5 to 10 gallons of water per acre.  
Orchard. Specified rate in 20 to 100 gallons of water per acre.

##### **Aerial Application**

Ground. Specified Rate in 3 to 20 gallons of water per acre.  
Orchard. Specified rate in 10 to 20 gallons of water per acre.

#### **COMPATIBILITY**

Microthiol Special is completely compatible with Bordeaux mixture, copper fungicides, liquid fertilizers and all organic fungicides, insecticides, acaricides and herbicides.

#### **USE INSTRUCTIONS**

Some crops may be damaged by sulfur under certain climatic conditions. Do not use on any crop unless sulfur has been shown to be safe in your locality. Do not allow spray to drift onto sensitive crops such as apricots, cranberries, spinach and Anjou pears. Sulfur may burn foliage when temperature is high. Do not apply at such times. Do not use within two weeks of an oil spray treatment. For citrus, do not apply within 21 days of an oil spray. When growing crops for processing, consult the processor before applying sulfur.

**NOTE:** The application rates specified for each crop are the maximum that should be applied. These amounts may be reduced if experience or local practice indicate that lesser amounts may be effective. Consult State Agriculture Experiment Station or State Extension Service specialist for rates recommended in your local area.

**GRAPES:** For control of powdery mildew, bud mite, blister mite and red spider mite.

**Mildew:** Apply throughout the season at 14 days intervals according to the stage of development of the vegetation and the intensity of the attack.

**Before flowering:** Apply a maximum of 5 lbs per acre.

**After flowering:** Apply a maximum of 6 lbs per acre.

**Mites:** Apply a maximum of 10 lbs per acre at budburst, making sure to wet thoroughly.

**Note:** Concord and other labrusca type grapes may be injured.

#### **SMALL FRUITS AND BERRIES:**

**RASPBERRIES:** For control of powdery mildew. Apply a maximum of 15 lbs per acre each week from first bloom to fruit set.

**STRAWBERRIES:** For control of powdery mildew and red spider mite. Apply a maximum of 10 lbs per acre at early leaf stage and continue as necessary.

**BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, BLUEBERRIES, GOOSEBERRIES, HUCKLEBERRIES AND CURRANTS:** For control of powdery mildew. Apply a maximum of 15 lbs per acre before blossom and continue at 10 day intervals as necessary.

#### **ORCHARDS:**

**APPLES AND PEARS:** For control of powdery mildew, scab, blister mite and red spider mite. **Before flowering:** Apply a maximum of 30 lbs per acre. **After flowering:** Apply a maximum of 15 lbs per acre.

**CITRUS:** For control of red spider mite, flat mite, rust mite and silver mite. Apply a maximum of 20 lbs per acre as necessary.

**PEACHES, PLUMS, CHERRIES, ALMONDS, NECTARINES, PRUNES:** For control of powdery mildew (except on almonds), brown rot, leaf spot, silver mite, flat mite and red spider mite. Apply a maximum of 30 lbs per acre at bloom and repeat as necessary at intervals of 12 days.

**AVOCADOS:** For control of brown mite. Apply a maximum of 30 lbs per acre as needed.

**MANGOES:** For control of powdery mildew. Apply a maximum of 30 lbs per acre before flowering and continue at intervals of 20 days.

**WALNUTS:** For control of pacific mite, almond mite, twospotted mite and red spider mite. Apply a maximum of 20 lbs per acre as required.

**PEANUTS:** For control of powdery mildew, leaf spot and red spider mite. Apply a maximum of 5 lbs per acre at early leaf stage and repeat at 18 day intervals.

**SUGAR BEETS:** For control of powdery mildew and red spider mite. Apply 4 lbs per acre as required at 18 days intervals.

**COTTON:** For control of red spider mite. Apply a maximum of 5 lbs per acre as necessary.

**CEREALS:** Corn, wheat, barley, oats, rye, sorghum. For control of red spider mite, twospotted mite, pacific mite and atlantic mite. Apply a maximum of 15 lbs per acre when mites first appear and continue as necessary.

#### **VEGETABLES:**

**BEANS:** For control of leaf spot and powdery mildew. Apply a maximum of 7 lbs per acre at early leaf stage and repeat every 14 days as necessary.

**SOYBEANS:** For control of leaf spot and powdery mildew. Apply a maximum of 12.5 lbs per acre at early leaf stage and repeat every 14 days as necessary.

**CARROTS:** For control of powdery mildew and Petrobia mite. Apply 10 lbs per acre at early leaf stage and repeat every 14 days as necessary.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, RUTABAGAS, PEPPERS, TURNIPS:** For control of powdery mildew and red spider mite. Apply 5 lbs per acre at early leaf stage and repeat every 14 days as necessary.

**ONIONS AND GARLIC:** For control of powdery mildew and Petrobia mite. Apply 6 lbs per acre when disease first appears and repeat as necessary.

**TOMATOES:** For control of russet mite. Apply a maximum of 3 lbs per acre as necessary. Thorough coverage is required.

**CUCURBITS:** Melons, cucumbers, squash. For control of powdery mildew. Apply a maximum of 25 lbs per acre when disease first appears and continue as necessary.

**ORNAMENTALS AND ROSES:** For control of powdery mildew and leaf spot. Apply a maximum of 5.6 lbs in 100 gallons of water when disease first appears and repeat at 10 day intervals as required.

### **STORAGE AND DISPOSAL**

**STORAGE INSTRUCTIONS:** Store in a closed package in a cool, dry place. Do not store near flammable materials. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions below.

**PESTICIDE DISPOSAL INSTRUCTIONS:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL INSTRUCTIONS:** Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of bag in a sanitary landfill, by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### **WARRANTY AND DISCLAIMER**

Pennwalt Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL PENNWALT OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS' LABOR COST OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

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