



United States  
Environmental Protection Agency  
Washington, DC 20460

|                                     |              |
|-------------------------------------|--------------|
| <input type="checkbox"/>            | Registration |
| <input type="checkbox"/>            | Amendment    |
| <input checked="" type="checkbox"/> | Other        |

OPP Identifier Number

**Application for Pesticide - Section I**

|                                                                                                                                                                                                                  |                                                                                                                                                                                      |                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>5905-437                                                                                                                                                                            | 2. EPA Product Manager                                                                                                                                                               | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Helena Liquid Sulfur Six                                                                                                                                                            | PM#                                                                                                                                                                                  |                                                                                                            |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Helena Chemical Company<br>225 Schilling Boulevard, Suite 300<br>Collierville, Tennessee 38017<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                            |

**Section - II**

|                                                                                |                                                                                        |                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ | <b>NOTIFICATION</b><br><br>MAR 11 2005 |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |                                        |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.                                        |                                        |

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Other Revisions  
Notification of Other Revisions per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:

|                                                                                                     |                                                                                          |                                                                                                   |                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | 2. Type of Container<br><input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| * Certification must be submitted                                                                   |                                                                                          | If "Yes" Unit Packaging wgt. No. per container                                                    | If "Yes" Package wgt. No. per container                                                                                                                                                                                     |

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container

5. Location of Label Directions  
 On Label

6. Manner in Which Label is Affixed to Product  
Self Adhesive  Lithograph Paper glued  Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

|                         |                                          |                                                     |
|-------------------------|------------------------------------------|-----------------------------------------------------|
| Name<br>Mandy K. Styles | Title<br>Product Registration Supervisor | Telephone No. (Include Area Code)<br>(901) 752-4420 |
|-------------------------|------------------------------------------|-----------------------------------------------------|

**Certification**  
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature  
*Mandy K. Styles*

3. Title  
Product Registration Supervisor

4. Typed Name  
Mandy K. Styles

5. Date  
3/1/2005

6. Late Application Received (Stamped)

# LIQUID SULFUR SIX

## ACTIVE INGREDIENT:

Sulfur ..... 52.00%

INERT INGREDIENTS: ..... 48.00%

TOTAL ..... 100.00%

This product contains 6 lbs. of Sulfur per gallon.

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

### FIRST AID

#### IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor immediately for treatment advice.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- Do not give anything to an unconscious or convulsing person.

#### IF IN EYES:

- Hold eyelid open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor immediately for treatment advice.

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency, call ChemTrec at 1-800-424-9300.

### SEE INSIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO.: 5905-437

EPA EST. NO.: 49668-TX-1

NET CONTENTS: 5 gal (18.92 L)

SN 0299H/0603

### MANUFACTURED FOR

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300

COLLIERVILLE, TENNESSEE 38017

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

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.

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.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

### 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.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

### PHYSICAL OR CHEMICAL HAZARDS

Keep away from heat, sparks, or 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 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 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal.

**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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PRODUCT INFORMATION**  
**Liquid Sulfur Six** is a flowable sulfur formulation that can be mixed with liquid fertilizers or water and applied by ground or air application. Consult your state or local extension specialist for additional treatment information.

Sulfur may cause injury if used improperly or under unfavorable weather conditions. During periods of high temperature Sulfur may burn foliage. Do not make Sulfur applications at such times.

**NOTE:** Sulfur will cause severe fruit and leaf injury to sulfur-sensitive crops. Do not apply or allow to drift to apricots, d'Anjou and Comice pears, cranberries, cucurbits (cucumber, cantaloupes, melons, squash), filberts, spinach, tung trees, walnuts or other sensitive plants.

**DO NOT USE WITHIN FOUR (4) WEEKS OF AN OIL SPRAYING. SULFUR IS HIGHLY CORROSIVE, AND EQUIPMENT SHOULD BE CLEANED THOROUGHLY AFTER EACH DAY'S SPRAYING.**

**DIRECTIONS FOR MIXING BEFORE USING, STIR UNTIL SMOOTH**  
Pour recommended amount in partially filled spray tank. Keep agitator running during filling and spraying operation. **DO NOT ALLOW MIXTURE TO STAND.** Failure to maintain agitation will cause **Liquid Sulfur Six** to settle and may necessitate manual stirring to redisperse.

**RECOMMENDATIONS: WHEN GROWING CROPS FOR PROCESSING, CONSULT THE PROCESSOR BEFORE APPLYING SULFUR.**  
Unless otherwise specified for specific crops, dosage rates are given as pints of **Liquid Sulfur Six** per 100 gallons water for use in a thorough coverage spray. The total amount of **Liquid Sulfur Six** per acre should be 2 to 4 gallons depending on the size of trees. Because of variations in the types of spray equipment used, a range of low and high rates is listed. For high volume sprayers (output 800 to 1000 gallons spray per acre) use the low rate; for low volume sprayers (output 20 to 300 gallons spray per acre) use the high rate.

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

- APPLE, PEAR:**  
**Scab:**  
Pre-bloom through calyx sprays ..... 1½ to 3½ pints  
Cover Sprays ..... ¾ to 2 pints
- Powdery Mildew:**  
Pre-bloom through calyx sprays ..... 3 pints  
Cover Sprays ..... 2 pints

- ALMOND, CHERRY, PLUM AND PRUNE:**  
**Brown Rot, Leafspot:**  
Pink and Bloom Sprays ..... 1½ to 3½ pints  
Petal fall, shuck & cover sprays ..... 2/3 to 1¾ pints

**AVOCADOS:**  
**Brown Mite:** Use 3-5 pints. Apply in a minimum of 8 gallons of water by air.

**BEANS, PEAS, COLE CROPS, PEPPERS:**  
**Powdery Mildew, Red Spider Spp.** - Use 3-4 pints in 8 gallons of water by air. Apply at first sign of infection and repeat at 3 week intervals.

**CITRUS: ORANGES, LIME, GRAPEFRUIT, LEMONS, TANGELOS, AND TANGERINES:**  
To control **Rust Mites, Clover Mite** - Use ¾ to 4½ pints. Apply spray November thru May.  
**Thrips** (early spring treatment for the reduction of **Thrips** population) - Apply 1 to 2 gallons per acre in sufficient water for thorough coverage. Make application after spring flush has made 3 to 4 inch growth. Repeat if necessary. Do not apply within 21 days of an oil application.

**PEACH, NECTARINE:**  
To control **Powdery Mildew, Brown Rot, Scabs** - Use 1½ to 3½ pints per 100 gallons of water applied at pink and bloom. Use 2/3 to 2¾ pints per 100 gallons of water at petal fall, shuck split, shuck fall and at 10 to 14 day intervals as long as necessary. For **Brown Rot** of fruit, apply when fruit starts to ripen. Application to mature nectarines may cause discoloration.

**FIELD AND VINE CROPS**  
Unless otherwise specified for specific crops, dosage rates are given as pints of **Liquid Sulfur Six** per acre. This product should be applied by ground equipment or aircraft in sufficient water to provide thorough coverage.

**COTTON:**  
**Atlantic Mite** - 2 pints for early season control and up to 1 gallon for mid to late season control. Do not apply when temperature exceeds 90°F.

**GRAPES:**  
**Powdery Mildew Control** - Use 1-2 pints per 100 gallons of water, maximum of 8 pints **Liquid Sulfur Six** in spring and summer. Applications in California, use 2-3 quarts per acre in enough water for thorough coverage or per 100 gallons of water in spring and summer applications. Make the first application when shoots are 6-8 inches long, the second when shoots are 12-15 inches long and the third at about bloom stage. Timing, rates, and number of applications vary with local conditions. Consult your state Agricultural Extension Service for specific recommendations.

**PEANUTS:**  
**For Rust** - Use 2 to 4 pints per acre of **Liquid Sulfur Six** in enough water for good coverage. Apply when disease threatens. Repeat at 7 to 10 day intervals as necessary.

**POTATOES:**  
**Powdery Mildew** - Use 3 to 4 pints in 8 gallons of water per acre by air. Apply at the first sign of infection and repeat at 3 week intervals.

**SUGAR BEETS:**

**Powdery Mildew Control** - Apply 2-4 quarts, depending on disease pressure, for 2-4 applications at 2 week intervals when disease symptoms first appear. For aerial application, use sufficient water to obtain adequate coverage.

**STRAWBERRIES:**

**Powdery Mildew** - Use 2 pints. Apply at first sign of infection and repeat at 3 week intervals. For Strawberries that will be canned, discontinue application of sulfur well before harvest in accordance with local canners' recommendations.

**TOMATOES:**

**Tomato Russet Mite** - Use 1/2 to 1 gallon per acre depending upon size of plants. Use full coverage sprays.

**CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**

**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.



HELENA CHEMICAL COMPANY  
225 Schilling Blvd., Suite 300  
Collierville, Tennessee 38017  
Telephone: 901/761-0050

March 1, 2005

U.S. Environmental Protection Agency  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
1801 South Bell Street  
Crystal Mall #2, Room 266A  
Arlington, VA 22202-4501

RE: Notification to Add Other Revisions

To Whom It May Concern,

Enclosed, you will find Helena Chemical Company's Notification for numerous products. Helena has updated the copyright company name, all trademarks, and registered trademarks from Helena Chemical Company to Helena Holding Company. This has been done on the following products:

- Helena Wettable Sulphur 5905-289
- Fyfanon 25WP 5905-293
- Sol Oil 97 5905-294
- Sol Oil Plus 5905-302
- Helena Citrusperse Sulfur 5905-350
- Omni Supreme Spray 5905-368
- Helena 90% Sulfur Dust 5905-422
- Helena Liquid Sulfur Six 5905-437
- 6lb. Sodium Chlorate Defoliant Desiccant 5905-461
- Atrazine 4L 5905-470
- Helena Bravo S 5905-472
- Helena 4.8lb. Diuron Flowable Herbicide 5905-482
- Helena 3..5lb. Liquid Copper Concentrate 5905-483
- Copper Z 4/4 Algicide/Herbicide 5905-486
- Dimethoate 4EC 5905-493
- Setre Fluometuron 80WP Herbicide 5905-494
- Setre Prowl Herbicide + Propanil 5905-495
- Setre 1.5lb. Benfluralin EC 5905-496
- 5lb. Dimethoate Systemic Insecticide 5905-497
- Brush Rhap Low Volatile 4-D Herbicide 5905-498

This should also be noted on all alternate brand names of the master labels.

In support of these Notifications, you will find the following:

EPA Form 8570-1  
1 copy of the revised label highlighted

If you have any questions, do not hesitate to call me at (901) 752-4420 or by fax at (901) 758-1694. Thank you for your assistance in this matter.

Sincerely,

Mandy K. Styles  
Product Registration Supervisor

