

SOL-OIL 97

A SOLUBLE OIL FOR USE IN WATER ON CITRUS

ACTIVE INGREDIENTS:

Mineral Oil*	97.2%
INERT INGREDIENTS	2.8%
TOTAL	100.0%

*Unsulfonated Residue – 96-98%.

*Contains petroleum distillates.

NOTE: This product not intended for greenhouse use.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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. Do not give any liquid to a person. Do not give anything to an unconscious or convulsing person.
IF INHALED:	<ul style="list-style-type: none"> Move victim to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
IF IN EYES:	<ul style="list-style-type: none"> 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.

NOTE TO PHYSICIAN: This product contains petroleum distillates and may pose an aspiration pneumonia hazard. Do not induce vomiting.

SEE INSIDE LEAFLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND COMPLETE DIRECTIONS FOR USE.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 when disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to 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 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.

STORAGE AND DISPOSAL

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

STORAGE: Keep container well sealed. Protect from excessive heat.

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: NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. **NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by State and local authorities. **REFILLABLE CONTAINER:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

AD 070610

EPA Reg. No. 5905-294

EPA Est. No. 5905-FL-001

Manufactured For

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

NET CONTENTS:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber or viton. If you want more options, follow the instructions for category *E* or an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves

See "ENGINEERING CONTROLS" for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

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.
- 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.

ENVIRONMENTAL CONTROLS

Pilots must use enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 when disposing of equipment washwaters or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

CHEMIGATION PROHIBITION

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

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.

STORAGE AND DISPOSAL

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

STORAGE: Keep container well sealed. Protect from excessive heat.

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:

NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by State and local authorities.

(continued)

STORAGE A

CONTAINER DISPOSAL:

NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS): Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water. Replace and drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by State and local authorities.

REFILLABLE CONTAINER: Refill this container with the container before final disposal is the responsibility of the refiller. To clean the container before application equipment or a mix tank. Fill the container at the pump for 2 minutes. Pour or pump rinsate into application equipment or a mix tank. Repeat this procedure two more times.

AGRICULTURE

Use this product only in accordance with its labeling and any other requirements for the protection of agriculture and agricultural pesticides. It contains requirements for training and restricted-entry interval. The requirements in this section are minimum requirements. For more information, see the label.

Do not enter or allow worker entry into treated areas until the spray has dried.

PPE required for early entry to treated areas that is permitted by the label and that is in addition to the PPE required for normal entry from the time of application until the spray has dried.

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

SPRAY D

A variety of factors including weather conditions (e.g., wind speed, temperature, humidity) can influence the application of this product. Appropriate adjustments when applying this product. The size of the droplets and the amount of application permitted.

Wind Speed: Do not apply at wind speeds greater than 10 mph.

Temperature Inversions: If applying at wind speeds less than 3 mph, do not apply if there is a temperature inversion exist, or b) stable atmospheric conditions exist that may cause temperature inversions.

Droplet Size: Apply as a medium or coarser spray (400 to 600 microns) using spinning atomizer nozzles.

Ground Spray Applications: Apply using a nozzle height of 18 to 24 inches.

Airblast Equipment Application: Turn off outward airblast. When using airblast equipment, spray must be directed downwind.

Aerial Applications: Do not release spray at a height greater than 100 feet.

Boom Length: The boom length must not exceed 75% of the swath width.

Swath Adjustment: When applications are made crosswind, adjust the boom height and the boom angle to compensate for this displacement at the downward edge of the application. The boom height must be adjusted so that the spray is applied to the downwind edge of the treated field.

NT (PPE)

nitrile rubber, neoprene rubber or viton. If you require a category selection chart.

For washables exist, use detergent and hot water. Rinse thoroughly with water. Rinse contaminated with the product's concentrate. Do not reuse.

IONS

Wash clean clothing before reuse. Remove pesticide residue as soon as possible, wash thoroughly.

S

Use only on agricultural pesticides [40 CFR 170.240(d)(6)].

S

Do not use in or near intertidal areas below the low tide mark or in or near fresh water.

ARDS**N**

Do not apply to citrus or through drift. Only protected handlers and applicators should apply. For more information, consult the agency responsible for pesticide registration.

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Do not use on site or at an approved waste disposal site.

Do not reuse or refill this container. Triple rinse remaining contents into application equipment or a mix tank. Rinse for 10 seconds after use or disposal. Drain for 10 seconds after use or disposal. Pour or pump rinsate into a sanitary landfill, or by other procedures approved by State and local authorities. (continued)

STORAGE AND DISPOSAL (cont.)**CONTAINER DISPOSAL:**

NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS): Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by State and local authorities.

REFILLABLE CONTAINER: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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 12 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
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (ground, aerial, or airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. The restrictions pertaining to wind speed, temperature inversions and droplet size apply to all of the methods of application permitted for this product.

Wind Speed: Do not apply at wind speeds greater than 15 mph at the application site.

Temperature Inversions: If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions.

Droplet Size: Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

Ground Spray Applications: Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

Airblast Equipment Application: Turn off outward pointing nozzles at row ends when spraying outer row. To minimize spray loss over the top in citrus applications spray must be directed into canopy.

Aerial Applications: Do not release spray at a height greater than 10 feet above the ground, top of crop, or above the canopy in citrus.

Boom Length: The boom length must not exceed 75% of the wingspan or 90% of the rotor blade's diameter.

Swath Adjustment: When applications are made crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downward edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

USE RESTRICTIONS AND PRECAUTIONS

Do not apply this product in undiluted form. Do not use this material if it does not mix with water.

Do not apply oil sprays when trees are wilting or near wilting.

Allow a period of 3 weeks or more between application of sulfur or lime and application of an oil spray.

Do not apply oil sprays during periods of excessively high temperature (over 90°F). Do not apply this product when weather reports indicate or predict freezing temperatures.

Oil sprays applied after October 1 increase the susceptibility of trees to cold-related injury and may reduce the crop in the following year.

Oil sprays applied to fruit-bearing trees during August and September may seriously reduce the solids content of the juice and retard coloring. Oil sprays applied when fruit is between 3/4 inch and 1-1/2 in diameter may cause oil blotch.

MIXING INSTRUCTIONS

1. Add enough water to the mixing tank for proper agitation.
2. Add micronutrients and other desired pesticides. If dry pesticide products are used, mix the materials with water thoroughly so that they are completely dispersed in the mixing tank. DO NOT add **SOL-OIL 97** before a uniform mixture of pesticide and water is obtained.
3. Maintain agitation of the mix until the spray is applied. Flush any spray mix remaining in hoses back into the tank if the solution stands for more than 20 minutes.
4. Ensure that spray equipment is thoroughly clean so that residues from other applications do not remain.

For scallides to be effective, complete coverage is essential, necessitating a thorough inside and outside tree application.

ASPARGUS, BEANS, BEETS, CORN, SQUASH, TOMATOES, CUCURBITS & PEPPERS: To control aphids, mites, beetle larvae, leaf miners, and caterpillars, use 1 to 2 gallons of **SOL-OIL 97** in 100 gallons of water.

CITRUS: To control spider mites, whiteflies, and loosening sooty mold, use 5 gallons of product per acre. To control scale insects, greasy spot, and citrus rust mites, use 10 gallons of product per acre. Mix product in sufficient water to ensure thorough coverage of leaves, twigs and fruit. For controlling scale insects, complete coverage is essential. A thorough inside- and outside-tree application is needed.

Do not exceed a maximum of 159 pounds of active ingredient (in a maximum volume of 1,500 gallons of spray mix) per acre when treating citrus in Florida and Texas. Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2,000 gallons of spray mix) per acre when treating citrus in California.

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. To the extent permitted by applicable laws, the Company makes no other warranties of any kind, expressed or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose.

To the extent permitted by applicable laws, 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.

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SOL-

A SOLUBLE OIL FOR

ACTIVE INGREDIENTS:

Mineral Oil*

INERT INGREDIENTS

TOTAL

*Unsulfonated Residue - 96-98%.

*Contains petroleum distillates.

NOTE: This product **not** intended for greenhouse use.

KEEP OUT OF

CA

PRECAUTIONS HAZARDS TO HUMANS

Harmful if absorbed through skin. Avoid contact with eyes. Allergic reactions in some individuals.

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water. • Call a poison control center or doctor for more treatment if symptoms develop.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment if symptoms develop. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to a person who is unconscious.
IF INHALED:	<ul style="list-style-type: none"> • Move victim to fresh air. • If not breathing, call 911 or an ambulance.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eyelid open and rinse slowly and gently with water for at least 15 minutes. • Remove contact lenses, if present and easy to do. • Call a poison control center or doctor for more treatment if symptoms develop.

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

NOTE TO PHYSICIAN: This product contains petroleum distillates. Vomiting may occur.

SEE INSIDE LEAFLET FOR ADDITIONAL PRECAUTIONS

EPA Reg. No. 5905-294
EPA Est. No. 5905-FL-001

HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 100
MARIETTA, GA 30067

Job #55861

CTIONS

h water.

f an oil spray.
 it apply this product when weather reports
 / and may reduce the crop in the following

se the solids content of the juice and retard
 se oil blotch.

mix the materials with water thoroughly so
 e a uniform mixture of pesticide and water

in hoses back into the tank if the solution

ns do not remain.

side and outside tree application.

PERS: To control aphids, mites, beetle lar-
 er.

product per acre. To control scale insects,
 dent water to ensure thorough coverage of
 rough inside- and outside-tree application

1,500 gallons of pray mix) per acre when
 edient (in a maximum volume of 2,000 gal-

**ARRANTY
 REMEDIES**

**ies before using this product. If the
 price will be refunded.**

nsufficient control of pests and/or injury to
 r unusual weather conditions or the failure
 control of Helena Chemical Company (the
 ps, animals, man or the environment. The
 id is reasonably fit for the purpose referred
 ol of the Company. To the extent permitted
 oled, concerning the product, including no

ry for any cause of action relating to the
 tion, one of the following:

ainst the Company are waived for special,
 ot limited to, loss of profits or income. The
 foregoing conditions of sale and limitation

SOL-OIL 97

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TOTAL 100.0%

*Unulfonated Residue – 96-98%.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

**IF ON SKIN OR
 CLOTHING:**

- 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.
- Do not give **any** liquid to a person.
- Do not give anything to an unconscious or convulsing person.

IF INHALED:

- Move victim to fresh air.
- If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

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.

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HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017