

SAF-T-SIDE®

Spray Oil Emulsion Fungicide, Insecticide and Miticide

ORNAMENTALS • VEGETABLES • CITRUS • SMALL FRUITS
• TREE FRUITS & NUTS

Controls Aphids, Mites, Scales, Whiteflies and
Other Soft-Bodied Insects

Year-Round Usage — Dormant and Growing Season

For use only in Home Fruit and Vegetable Gardens, Home
Greenhouses, Interior Plantscapes,
Ornamental Gardens, and Lawns

Active Ingredient:
Petroleum Oil80.0%
Other Ingredients:20.0%
Total:100.0%

Unulfonated Residue of Petroleum Oil 92.0% min.
®Trademark of Brandt Consolidated, Inc.

EPA Reg. No. 48813-1-54705

EPA Est. No. 48498-CA-1

NET CONTENTS: 1 Quart, 1 Pint, 1 Gallon

Manufactured For:
LAWN AND GARDEN PRODUCTS, INC.
P.O. Box 35000 • Fresno, CA 93745 • (559) 499-2100
info@montereylawnngarden.com

KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID | |
|--------------------------------|---|
| If Swallowed: | <ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give ANY liquid to the person. • Do not give anything by mouth to an unconscious person. |
| 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 for treatment advice. |
| If In Eyes: | <ul style="list-style-type: none"> • Hold eye 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 eye. • Call a poison control center or doctor for treatment advice. |
| If Inhaled: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth • Call a poison control center or doctor for further 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. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains petroleum distillate – do not induce vomiting since vomiting may pose aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing spray mists or vapors. Avoid contamination of feed or foodstuffs. Applicators should wear long-sleeved shirt and long pants; shoes plus socks and chemical resistant gloves (such as barrier laminate or nitrile rubber, neoprene rubber, or viton). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep all persons (other than applicator) and pets out of treated areas until sprays have dried.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

EPA Est. No. 48813-IL-1

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply this product only as specified on the label.

Do not allow people (other than applicator) or pets on treatment areas during application. Do not enter treatment areas until spray has dried.

GENERAL INFORMATION

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. As a fungicide it interferes with the attachment of the pathogen to the host and acts as a suffocant. Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves until wet without significant runoff. Most mature standard trees will require 3 to 4 gallons of spray solution per tree although citrus trees may require as much as 8 to 15 gallons of spray solution per tree. Fruits, vegetables, and ornamentals generally require 1 to 2 gallons of spray solution per 1,000 sq. ft.

SAF-T-SIDE® controls a wide range of mite and insect pests in the egg stage such as: spider and eriophyid mites, armored and soft scales, mealy bugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. SAF-T-SIDE® will kill other immature forms if spray covers the insect.

USE PRECAUTIONS:

All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. DO NOT apply during periods of drought or when plants exhibit moisture stress.

TIMING THE TREATMENT:

You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

MIXING DIRECTIONS:

SAF-T-SIDE® mixes readily with water. A pump up sprayer or trigger sprayer may be used. Fill the sprayer half full with water, add the

appropriate rate of SAF-T-SIDE® and continue filling the sprayer. For best results, spray formulation should be mixed well and often.

**RATE RECOMMENDATIONS
SHADE TREES, SHRUBS, ORNAMENTALS,
FLOWER AND FOLIAGE PLANTS**

| USE SITES | PEST | APPLICATION RATE | TIME OF APPLICATION |
|---|--|---|---------------------|
| Conifers Flower, Foliage and Bedding Plants Ornamentals* Shade Trees Shrubs | Aphids Black Spot Leaf Miners Mites Plant Bugs Powdery Mildew Psyllids Rust Sawfly Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

*ORNAMENTAL PLANTS — Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

HOME GREENHOUSE ORNAMENTALS

| USE SITES | PEST | APPLICATION RATE | TIME OF APPLICATION |
|--|---|---|---------------------|
| Azalea Camellia Carnation Fuchsia Gladiola Hibiscus Iris Lily Mums Orchids Poinsettia Rhododendron Rose Vines | Aphids Fungus Gnat Leaf Miners Mealy Bugs Mites Powdery Mildew Rust Scales Thrips Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

VEGETABLES

| CROP | PEST | APPLICATION RATE | TIME OF APPLICATION |
|---|--|---|---------------------|
| Asparagus Bean Cucumber Eggplant Melon Peanut Pepper Pumpkin Radish Squash Tomato | Aphids Beetle larvae Leafhoppers Leaf Miners Mites Thrips Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

| | | | |
|--|--|---|-----------|
| Cabbage Cauliflower Celery Cole Crops Lettuce Onion | Aphids Leafhoppers Leaf Miners Loopers Mites Plant Bugs Thrips Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Corn (Sweet) Popcorn | Aphids Leaf Miners Mites Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Potato Sweet Potato | Aphids Leaf Miners Mites Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

TREE FRUITS & NUTS

| CROP | PEST | APPLICATION RATE | TIME OF APPLICATION |
|--|--|---|---------------------|
| Almond Apricot Cherry Plum Prune | Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Apple (all varieties) | Aphids Bugs (including Apple Red Bug) Fruit Tree Leaf Roller Mites (including European Red Mite) Powdery Mildew Scales (Hard, Soft, Scurfy) Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Avocado Bananas Cocoa Coffee Macadamia Papaya | Bugs Leafhoppers Scales Sigatoka Leafroller Thrips | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Citrus * | Blackfly Greasy Spot Mites Scales (Glover, Chaff, Purple, Yellow, Red, Snow, Brown and California Red) Sooty Mold Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Nectarines Peach Pecan | Aphids Fruit Tree Leaf Roller Mites Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

| | | | |
|--|--|---|-----------|
| Pear (all varieties) | Aphids Fruit Tree Leaf Roller Mites (including Pear leaf Blister Mite) Pear Psylla Powdery Mildew Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Fig Kiwi Olive Pistachio Walnut ** | Aphids Mites Scales | 2.5 – 5.0 Tablespoons per Gallon of Water | As Needed |

handling. Because the time, place, rate of applications and other conditions of use are beyond seller's control, seller's liability from storage, handling and use of this product is limited to replacement of product or refund of purchase price.

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* Citrus — Oils applied after October may increase cold damage to trees; applied in August and September may affect solids content, retard color.

** Walnut — Apply late spring to mid-summer only. Do not apply after husk split.

SMALL FRUITS

| CROP | PEST | APPLICATION RATE | TIME OF APPLICATION |
|--|--|---|---------------------|
| Bushberries (Blueberry, Currant, Elderberry, Gooseberry, Huckleberry) Caneberries (Blackberry, Loganberry, Raspberry) Strawberry | Aphids Mites Powdery Mildew Rust Sawfly Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |
| Grape | Botrytis Leafhoppers Leaf Miners Mealybugs Mites Powdery Mildew Scales Whiteflies | 2.5-5.0 Tablespoons per Gallon of Water | As Needed |

STORAGE AND DISPOSAL

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

STORAGE: Store in a secure locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

CONTAINER/PESTICIDE DISPOSAL: **If Empty:** Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **If Partially Filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONDITIONS OF SALE

Seller's guarantee shall be limited to contents and merchantability of the product and the terms of the label and subject thereto. The buyer assumes any risks to persons or property arising out of use or

MATERIAL SAFETY DATA SHEET

SAF-T-SIDE™

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Issue Date: 10/99

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

SAF-T-SIDE™

EPA Reg. No. 48813-1-54705

Common Name:

Chemical Description: Spray oil petroleum oil mixture.

TSCA/CAS No.: The primary CAS No. is 64641-88-4.

Manufactured For

Lawn and Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

| CHEMICAL | CAS NO. | % | TLV OR PEL | RQ (lbs) |
|-------------------------------|------------|------|------------|----------|
| Refined paraffinic distillate | 64641-88-4 | 80.0 | N.A.* | N.P.* |

* N.A. - Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

White liquid with ammonia odor. Avoid contact with strong oxidizers. May generate carbon monoxide if burned. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 1 ENVIRONMENT: 1
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Do not rub eyes. If irritation persists get medical attention.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

| | |
|---|--|
| Flash Point: | > 200°F. |
| Test Method: | Not available. |
| LEL Flammable Limits: | Not available. |
| UEL Flammable Limits: | Not available. |
| Autoignition Temperature: | 650°F. |
| Flammability Classification: | Combustible. |
| Known Hazardous Products of Combustion: | None. |
| Properties that Initiate/Contribute to Intensity of Fire: | None. |
| Potential For Dust Explosion: | None. |
| Reactions that Release Flammable Gases or Vapors: | Not known. |
| Potential For Release of Flammable Vapors: | None. |
| Unusual Fire & Explosion Hazards: | The oil in this product is a Class III B combustible liquid with a flash point of 340°F. |
| Extinguishing Media: | Foam, CO ₂ , dry chemical, water fog. |
| Special Firefighting Procedures: | Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff. |

SECTION 6. SPILLS AND LEAKS

| | |
|--------------|--|
| Containment: | Prevent product spillage from entering drinking water supplies or streams. |
| Clean Up: | Collect liquid or absorb onto absorbent material and package for disposal. |
| Evacuation: | Not necessary. |

SECTION 7. STORAGE AND HANDLING

| | |
|--------------------------|---|
| Storage: | Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high. |
| Transfer Equipment: | Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc. |
| Work/Hygienic Practices: | Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with water after handling. |

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

| | |
|--------------|--|
| Eyes: | Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. |
| Skin: | Impervious gloves and clothes. |
| Respiratory: | Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710). |
| Ventilation: | Recommended but no TLV established. |

SECTION 9. PHYSICAL AND CHEMICAL DATA

| | |
|--------------------------------------|----------------|
| Appearance: | White liquid. |
| Odor: | Ammonia. |
| pH: | 7.1 |
| Vapor Pressure: | Not available. |
| Vapor Density (Air = 1): | Not available. |
| Boiling Point: | Not available. |
| Freezing Point: | Not available. |
| Water Solubility: | Not available. |
| Density: | 7.42 lbs./gal. |
| Evaporation Rate: | Not available. |
| Viscosity: | Not available. |
| % Volatile: | Not available. |
| Octanol/Water Partition Coefficient: | Not available. |
| Saturated Vapor Concentration: | Not available. |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability: | Stable. |
| Conditions To Avoid: | Not available. |
| Incompatibility: | Avoid strong oxidizers. |
| Hazardous Decomposition Products: | Burning may result in formation of carbon monoxide. |
| Hazardous Polymerization: | Will not occur. |

SECTION 11. POTENTIAL HEALTH EFFECTS

| | |
|----------------------------|---|
| <u>Acute Effects:</u> | This description of toxicological properties is based on experimental results and experience with the product. |
| Eyes: | May cause temporary irritation. No permanent damage expected. |
| Skin: | Mild irritant, especially from prolonged exposure. Causes redness, drying and cracking. |
| Ingestion: | Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and vomiting occurs. LD ₅₀ (Rat) > 30 g/kg. |
| Inhalation: | Excessive exposure may cause temporary irritation to nose, throat, eyes. No acute effects expected at twice the exposure limit. |
| <u>Subchronic Effects:</u> | None known. |
| <u>Chronic Effects:</u> | None known. |

SECTION 12. ECOLOGICAL INFORMATION

| | |
|-------------------------------------|------------|
| Algal/Lemna Growth Inhibition: | Not known. |
| Toxicity to Fish and Invertebrates: | Not known. |
| Toxicity to Plants: | Not known. |
| Toxicity in Birds: | Not known. |

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

| | |
|-----------------------------|---|
| D.O.T.: | Not D.O.T. Regulated. |
| Other Shipping Description: | Insecticides or Fungicides, Liquid. NMFC Item 102120, LTL Class 60 |

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

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