KOPA™ INSECTICIDAL SOAP

Insecticide/Miticide/Fungicide

FOR ORGANIC PRODUCTION

ACTIVE INGREDIENT:	**BY WT.**
Potassium Salts of Fatty Acids	47%
OTHER INGREDIENTS:	53%
TOTAL:.	100%

Contains 4.07 lb Active Ingredient per Gallon

OMRI LISTED
For Organic Use - OMRI.org

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta busque para que se la explique a usted en detaile.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	• 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 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 for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the OHP, Inc. emergency phone, 24 hours a day, at 1-800-356-4647.	

See inside for Precautionary Statements and Directions for Use.

EPA REG. NO. 67702-11-59807 EPA EST. _____

ohp Partners with solutions

Manufactured for:
OHP INC
5151 MCCRIMMON PKWY STE 275
MORRISVILLE NC 27560-5425
(800) 356-4647

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NET CONTENTS: _____

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Wear protective clothing (coveralls over short-sleeved shirt and short pants, chemical-resistant footwear and socks), chemical-resistant gloves, and protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. After product is diluted in accordance with the directions for use, protective eyewear and gloves are not required.

Personal Protective Equipment (PPE) Requirements:
Handlers who may be exposed to the concentrate through mixing, loading, application, and other tasks must wear:

- protective eyewear (goggles, face shield or safety glasses);
- coveralls worn over short-sleeved shirt and short pants;
- chemical-resistant footwear and socks;
- chemical-resistant gloves, made of barrier laminate, butyl rubber $\geq$ 14mils, nitrile rubber $\geq$ 14mils, neoprene rubber $\geq$ 14mils, polyvinyl chloride $\geq$ 14mils, and viton $\geq$ 14mils;
- chemical-resistant headgear for overhead exposure; and
- chemical-resistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. When mixing and loading wear a chemical-resistant apron. When cleaning equipment add a chemical-resistant apron. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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 Hazards: This product may be hazardous to aquatic invertebrates. 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 washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all directions for use before applying.

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.

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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), restricted-entry interval, and notification to workers. 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 area during the restricted-entry interval 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 over short-sleeved shirt and short pants; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils or viton ≥ 14 mils, chemical-resistant footwear and socks; protective eyewear; and chemical-resistant headgear for overhead exposure.

Non-Agricultural Use Requirements

The requirements of this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural workers (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

DIRECTIONS FOR MIXING

For 2% formulation, mix 2 gal of product/100 gal of water (4.07 lb Tech/gal). Add sufficient water to the mixing tank to allow proper agitation by pump or paddles. Continue stirring while adding first the **KOPA INSECTICIDAL SOAP** then the remaining water.

Hard water in excess of 300 ppm should be conditioned to reduce its hardness prior to mixing with **KOPA INSECTICIDAL SOAP**.

TANK MIXING

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

KOPA INSECTICIDAL SOAP may be combined with other pesticides to broaden the target spectrum, improve the level of kill, provide residual kill and enhance coverage. When used as a tank-mix, observe all directions for use, crops, use rates, dilution ratios, precautions, and limitations, which appear on the tank mix product label. Do not mix this product with any other product that prohibits such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered. For tank mixing with companion pesticides, use **KOPA INSECTICIDAL SOAP** at a rate of 1% formulation (1 gallon of concentrate to 100 gallons of water). For example, certain caterpillars and leaf feeding beetles (e.g. Elm leaf beetle) can be controlled with tank mixes of 1 gallon of **KOPA INSECTICIDAL SOAP** per 100 gallons of water plus a standard pesticide.

ORDER OF TANK MIXING:

- water
- water conditioner (if needed)
- conventional pesticide - add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, ECs, and soluble materials such as fertilizers.
- **KOPA INSECTICIDAL SOAP**

Also, if appropriate, give a Tank Mix Compatibility Test: Using a 2 quart jar, add the proportionate amounts of the products (in the order recommended above) to 1 qt water. After thorough mixing, let it stand for 5 minutes. If the combination remains

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mixed or can be re-mixed readily, it is compatible. Once compatibility is proven, use the same procedure for adding required products to the spray tank.

Manzate and dithane products are incompatible with **KOPA INSECTICIDAL SOAP**.

Combining this product with sulfur or applying this product within 3 days of sulfur application may increase the plant damage caused by sulfur on sensitive plants (e.g., grape). Do not tank mix **KOPA INSECTICIDAL SOAP** with sulfur when temperatures are higher than 90°F.

Do not allow tank mixes to sit for longer than 24 hours. Mix and spray as soon as possible.

KOPA INSECTICIDAL SOAP alone only requires stirring prior to use. Continue to stir tank mixes of **KOPA INSECTICIDAL SOAP** with other pesticides throughout use. If using equipment without pump or paddle, shake often during use. Flush fluid in sprayer hose lines back into the tank if stirring is interrupted.

APPLICATION INSTRUCTIONS

For field applications apply 2% formulation, 2 gal of product/100 gal of water (4.07 lb Tech/gal), at a rate of 75 to 200 gal/acre (6.10 to 16.26 lbs ai/acre) using ground spray equipment. For best results commence treatment when infestation is first noticed. Thoroughly spray insect pests or powdery mildew on plants with diluted product to wetting. Minimize run-off to reduce plant injury on sensitive plants. **KOPA INSECTICIDAL SOAP** is a contact spray and is effective in its liquid state. Pests need to be contacted with spray solution to be effective. Efforts should be made to thoroughly reach all plant parts including undersides of leaves.

Repeat treatment every one to two weeks as needed. Apply to a maximum of three consecutive applications to ensure plant injury does not occur. Additional applications may be possible if previous experience with repeat applications of the product under the same conditions have not produced plant injury.

May be used on edible crops up to and including day of harvest after a minimum spray interval of 12 hours.

Cutting Dips: Mix a 0.5% solution (3 fl oz in 5 gallons water). Do not use without determining crop sensitivity (phytotoxicity) first. Use a clean dipping tank and equipment. Stir solution thoroughly. Prepare as-needed; do not allow dip solution to sit for long periods prior to use. Dip whole-unrooted or bare root cuttings or the foliage of rooted cuttings (individually or in bunches) in the solution. Ensure the cuttings are not packed too tightly to promote maximum surface area coverage. Immerse for 5-10 seconds immediately before planting or transplanting. Prepare a new dip solution regularly to avoid potential accumulation of plant pathogens. Disinfect the dipping tank and equipment before a new dip solution is prepared. Avoid exposing dipped cuttings to full sun. Do not use on stressed/wilting cuttings.

PESTS/SITES

KOPA INSECTICIDAL SOAP will control powdery mildew and listed insect pests such as: adelgids (woolly aphids), aphids, lacebugs, mealybugs, mites, leafhoppers, scale insects, plant bugs, sawfly larvae (e.g. pear and rose slugs), psyllids, tent caterpillars, thrips, spider mites, earwigs, whitefly.

CROP	PEST
Pome fruits (such as: apple, crabapple, pear and quince) Stone Fruits (such as: apricot, cherry, nectarine, peach, plum and prune) Nut trees (such as: pecans, almonds, chestnut, filbert, pistachio, black and English walnut)	aphids, mites, plant bugs, leafhoppers, earwigs, mealybugs, psyllids, sawfly larvae (pear slugs), scale insects, spider mites, tent caterpillars
Citrus (such as: citron, grapefruit, kumquat, lemon, lime, tangelo, and tangerine)	aphids, mealybugs, mites, scale insects
Olives	aphids, scale insects, spider mites

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Additional restrictions for this use:

- Do not exceed a maximum spray volume of 400 gal/acre on apples.
- Do not exceed a maximum rate of 100 gal/acre on smooth skinned stone fruit up to fruit formation.
- Do not exceed a maximum rate of 175 gal/acre on peaches.

Additional recommendations for this use:

- For tent caterpillars apply at a rate of 3% formulation (3 gal of product/100 gal of water) directly on larvae.
- Use with care on pears after delayed dormant stage due to potential for fruit marking.
- Do not use on yellow skinned nectarines.
- If sooty mold is present on citrus, application of product may result in fruit marking.

CROP	PEST
Small fruits (such as: grapes, strawberry, blueberry, raspberry, cranberry, blackberry, cane berries, currants, boysenberry, and olallieberry)	aphids, mealybugs, mites, scale insects, leafhoppers, plant bugs, powdery mildew

Additional recommendations for this use:

- Do not use on table grapes once they become 6-7 mm in diameter (removes waxy bloom) or use at lowest recommended rate (75 gal/acre).

CROP	PEST
Ornamental and shade trees (flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores)	aphids, lacebugs, mealybugs, mites, plant bugs, psyllids, sawfly larvae, leafhoppers, spider mites, whiteflies, woolly aphids (adelgids), tent caterpillars, powdery mildew
Flowering, foliage, bedding plants and houseplants – greenhouse and outdoors	aphids, lacebugs, mites, scale insects, spider mites, leafhoppers, whiteflies, sawfly larvae (rose slugs), earwigs, powdery mildew

Additional recommendations for this use:

- For tent caterpillars apply at a rate of 3% formulation (3 gal of product/100 gal of water) directly on larvae.
- For Cooley spruce gall adelgids apply at a rate of 4% formulation (4 gal of product/100 gal of water). Test for tree sensitivity before applying at this rate. Applications in early spring before bud break or in the fall on hardened off foliage is recommended.

CROP	PEST
Alfalfa, canola, cotton, peanuts, soybeans, tobacco, wheat	aphids, fleahoppers, mites, plant bugs, whiteflies
Corn (such as: field, sweet)	aphids
Sugar beets	mites, aphids
Vegetables - field and greenhouse (such as: Artichoke*, Asparagus, Brassica (cole)), (such as: bok choy, broccoli, broccoli raab, Brussels sprout, cabbage, cauliflower, Chinese broccoli, Chinese cabbage, collard greens, kale, kohlrabi, mustard greens, napa cabbage and Swiss chard), Bulb (such as: green onion, leeks, garlic and onion),	aphids, mites, plant bugs, whiteflies, powdery mildew

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Cucurbit (such as: cucumber, melon, pumpkin and summer squash), Fruiting (such as: eggplant, pepper and tomato), Leafy (such as: celery, endive, escarole, lettuce and spinach), Legume (such as: bean, lima beans, pea and soybean), Root and tuber (such as: beet, carrot, horseradish, potato, radish, turnips, rutabaga, shallot, sugarbeet, potato, radish and yam), Watercress*	
Herbs and spices: (such as: basil, chive, dill, marjoram, parsley and sage)	aphids, mites, plant bugs, whiteflies, powdery mildew
Hemp* (field and greenhouse)	aphids, leafhoppers, mealybugs, mites, plant bugs, scale, exposed thrips, whiteflies, powdery mildew
Hops, banana, pineapple, coffee*	aphids, leafhoppers, mealybugs, spider mites, plant bugs, scale insects and whiteflies

* Not approved for use in California

Additional recommendations for this use:

- To control green peach aphid, tank mixing with another pesticide is necessary.
- When applications are made in less than 25 gallons of water per acre, use 2 quarts of product per acre.

USE RECOMMENDATIONS

Do not spray when plants are under stress. Do not apply to new seedlings and transplants without determining sensitivity (phytotoxicity) first. Do not spray during full sun. Spray early in morning or evening or when overcast. Do not apply to evergreens during drought and use caution when tender new foliage is present. If concerned about sensitivity of plants, apply to individual plants or small areas and wait a couple days to determine if plant damage occurs prior to treatment of larger areas. Do not use on sweet peas, nasturtiums, delicate ferns or Calmeria and Italia varieties of grapes.

Use with care when used on azaleas, bleeding heart, camellia, corn, euphorbia, fuchsia, gardenia, geraniums, impatiens, hawthorn, horse chestnut, jade plant, Japanese maple, lantana, mountain ash, ornamental ivy, palms, succulents. Sensitivity varies with plant varieties. If concerned about sensitivity of plants, apply to individual plants or small areas of plants and wait to determine if plant damage (phytotoxicity) occurs before treating larger areas.

Use with care on blooms. Determine sensitivity before spraying.

Poinsettias may be sensitive. Do not apply after coloring of bracts has begun.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

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

CONTAINER HANDLING: Nonrefillable container. Do not re-use 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

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the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE TO BUYER

To the extent consistent with applicable law, seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. To the extent consistent with applicable law, buyer assumes all risk of any such use. To the extent consistent with applicable law, seller makes no other warranties, either expressed or implied.

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