

KOPA INSECTICIDAL SOAP

INSECTICIDE
COMMERCIAL
SOLUTION

WARNING - SKIN AND EYE IRRITANT

READ THE LABEL BEFORE USING

For control of aphids, earwigs, mealybugs, spider mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly, and for suppression of spotted lanternfly

For use indoors, outdoors and in greenhouses; fruit trees, vegetables, houseplants, cannabis (produced commercially indoors), ornamental and bedding plants, ornamental and shade trees.

ACTIVE INGREDIENT: Potassium salts of fatty acids 47.00%

REGISTRATION NO. 31433 PEST CONTROL PRODUCTS ACT

NET CONTENTS XXX L

W. Neudorff GmbH KG, An der Mühle 3,
31860 Emmerthal, Germany

Canadian Agent:
Neudorff North America
PO Box 178
Brentwood Bay, BC V8M 1R3
250-652-5888

DIRECTIONS FOR USE

Mix 8 L of product with 400 L of water. 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.

For field applications, apply the diluted solution at a rate of 700 to 1900 L/ha using ground spray equipment. For best results, commence treatment when infestation is first noticed. Thoroughly spray insect pests 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.

CUTTING DIPS

For use on greenhouse ornamentals to control whitefly nymphs.

Mix 0.5 – 2 L per 100 L water (0.5% - 2%). Use higher concentrations (e.g. 1% or 2%) when older instar nymphs are present. 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 applications are intended to be conducted prior to planting vegetative cuttings into rooting substrate.

The immersion process should be conducted as follows:

- Place unrooted cuttings in a mesh immersion tray with a lid.
- Ensure the cuttings are not packed too tightly to promote maximum surface area coverage.
- Immerse the tray completely, gently moving the tray around in the solution for at least 5 seconds to allow the solution to completely saturate all surfaces (solution must contact target pests to be effective).
- Verify that there are no dry surface areas after dipping.
- Agitate dip solution throughout use to keep product(s) in suspension.
- 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.

TANK MIXING

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Neudorff North America at info@neudorff.ca for information before applying any tank mix that is not specifically recommended on this label."

For tank mixing with companion pesticides, Kopa Insecticidal Soap should be used at a 1% formulation (1 L of concentrate to 100 L of water).

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, perform a Tank Mix Compatibility Test: Using a 2 L jar, add the proportionate amounts of the products (in the order recommended above) to 1 L water. After thorough mixing, let it stand for 5 minutes. If the combination remains 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 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 32°C.

Do not allow tank mixes to sit for long periods. Mix and spray as soon as possible. Kopa Insecticidal Soap alone only requires stirring prior to use. Tank mixes of Kopa Insecticidal Soap with other pesticides should continue to be stirred 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.

USE RESTRICTIONS

- Do not spray when plants are under stress.
- Use with care on new seedlings, transplants and blooms. Do not apply to new seedlings and transplants without determining sensitivity (phytotoxicity) first.
- Avoid spraying during full sun. Spray early in morning or evening or when overcast.
- Soap spray may cause marking of some 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 prior to treatment of larger areas.
- Do not apply to evergreens during drought and use caution when tender new foliage is present.
- Poinsettias may be sensitive; do not apply after coloring of bracts has begun.
- Do not use on sweet peas, nasturtiums, delicate ferns or Calmeria and Italia varieties of grapes.
- Use with care 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.

PESTS/SITES

Kopa Insecticidal Soap will control insect pests such as: aphids, mealybugs, mites, scale insects, sawfly larvae (e.g. pear and rose slugs), psyllids, earwigs and whitefly.

Crop	Pest
Fruit trees such as apples, apricots, cherries, nectarines, peaches, pears, plums, and prunes	aphids, mites, earwigs, mealybugs, psyllids, sawfly
Nut trees such as: walnuts and hazelnuts	larvae (pear slugs), scale insects, spider mites

Additional recommendations for this use:

- Use with care on pears after delayed dormant stage due to potential for fruit marking.
- Do not exceed a maximum rate of 950 L/ha on smooth skinned stone fruit up to fruit formation.
- Do not exceed a maximum rate of 1650 L/ha on peaches.
- Do not use on yellow skinned nectarines.

Crop	Pest
Small fruits such as grapes, strawberry, blueberry, raspberry, cranberry	aphids, mealybugs, mites, scale insects

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 (700 L/ha).

Crop	Pest
Ornamental and shade trees such as flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores	aphids, mealybugs, mites, psyllids, sawfly larvae, spider mites, whiteflies
Flowering, foliage, bedding plants and houseplants - greenhouse and outdoors	aphids, mites, scale insects, spider mites, whiteflies, sawfly larvae (rose slugs), earwigs
Alfalfa, canola, soybeans, wheat	aphids, mites, whiteflies
Corn (field, sweet)	aphids
Sugar beets	mites, aphids
Vegetables - field and greenhouse (e.g. asparagus, beans, beets, broccoli, Brussel sprouts, cabbage, cauliflower, celery, collards, corn, cucurbits, eggplant, kale, lettuce, lima beans, melon, mustard greens, peas, potatoes, peppers, radishes, spinach, squash, tomatoes, turnips)	aphids, mites, whiteflies
Herbs and spices, mint – field and greenhouse	aphids, mites, whiteflies
Hops	aphids, spider mites
Cannabis (marihuana) that is produced commercially indoors	Aphids, spider mites, whiteflies

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than W. Neudorff GmbH KG (Neudorff) under the User Requested Minor Use Label Expansion program. For these uses, Neudorff has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

SPOTTED LANTERNFLY

For suppression of spotted lanternfly nymphs, mix 4-8 L of product with 400 L of water. Use the higher concentration for larger nymphs.

Crops	Pest
Fruit trees such as apples, apricots, cherries, nectarines, peaches, pears, plums, and prunes	Spotted lanternfly nymphs (suppression)
Grapes	
Ornamental and shade trees such as flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores	
Outdoor flowering, foliage, and bedding plants	

Refer to the main DIRECTIONS FOR USE section of this label for additional details and instructions.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Causes eye and/or skin irritation. **DO NOT** get in eyes or on skin and clothing. Use only in well ventilated areas. Wear long sleeved shirt and long pants, chemical resistant gloves, shoes, and goggles or face shield during mixing, loading, clean up and repair. Wear long sleeved shirt and long pants during spray application. For cutting dip application, wear chemical resistant gloves.

ENVIRONMENTAL PRECAUTIONS

This product is toxic to aquatic organisms. Do not allow wastewater, effluent or runoff containing this product to enter lakes, streams, ponds or other waters. Avoid direct application to ponds, streams and lakes.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca

TOXICOLOGICAL INFORMATION

Treat symptomatically.

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. Call a poison control centre 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 centre or doctor for treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

STORAGE

To prevent contamination store this product away from food or feed.

DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product contact the manufacturer or provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.
6. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

OPTIONAL STATEMENTS

- insecticidal soap
- insecticide/Miticide
- insect spray
- roses and flowers
- houseplants and gardens
- fruits and vegetables

- rose and flower insecticide
- kills bugs on contact
- kills insects on contact
- insect killer
- indoor-outdoor
- houseplants and gardens
- May be used up to day of harvest
- Can be used until day of harvest
- Does not persist in the environment
- from plants for plants
- contact insecticide
- Kopa Insecticidal Soap is a contact spray and pests must be sprayed directly to achieve control
- For use on vegetables, fruit trees, ornamentals, shrubs, flowers, and trees in homes, gardens and greenhouses
- Can be used in vegetable gardens
- May be applied to edibles up to day of harvest
- Patent Pending
- Read Entire Container Label Before Using This Product
- Controls: aphids, earwigs, mealybugs, mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly
- Controls spider mites, aphids, mealybugs, soft brown scale, and whitefly
- Kills: aphids, earwigs, mealybugs, mites, psyllids, pear and rose slugs (sawfly larvae), soft brown scale, and whitefly
- Kills spider mites, aphids, mealybugs, soft brown scale, and whitefly
- Do not spray when plants are under stress
- Kopa Insecticidal Soap is a contact killer for both insect and mite pests
- Sold under a license of W. Neudorff GmbH KG



This pest control product contains only substances that appear on the Organic Production Systems Permitted Substances Lists and may be suitable for use in organic agriculture; please consult your authorized organic Certification Body for further information.

KOPA™ INSECTICIDAL SOAP

EPA Registration Number: 67702-11-59807

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Kopa™ Insecticidal Soap

EPA Registration No. 67702-11-59807

Details of the supplier of the safety data sheet

Company information OHP, Inc.
PO Box 746
Bluffton, SC 29910-0746
(800) 659-6745

Emergency telephone number

FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT:

(24 hours a day) call Chemtrec: 1-800-424-9300

FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT (24 hours a day) and

Product Information call 1-800-356-4647

SDS Information or

Request ohp.com

2. HAZARD(S) IDENTIFICATION

Signal Word Warning

Hazard Statements:

H315 Causes skin irritation

H320 Causes eye irritation

H333 May be harmful if inhaled

Pictograms:



Precautionary Statements (Prevention):

P281 Wear protective gloves

Precautionary Statements (Response):

P303 + P352 If on skin (or hair): Wash with plenty of soap and water.

P333 +P311 If skin irritation or rash occurs: Call a Poison Center or doctor/physician.

P305 + P351 If on eye: Rinse cautiously with water for several minutes.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous to special waste collection point.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous Components			
Components	CAS Number	% (w/w)	Hazard Information
Potassium Salts of Fatty Acid	67701-09-1	47	Eye Irritant

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion. Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

Most important symptoms and effects, both acute and delayed No further relevant information available

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media. Regular foam, carbon dioxide, dry chemical, water.

KOPA™ INSECTICIDAL SOAP

EPA Registration Number: 67702-11-59807

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions: Avoid run off to waterways and sewers

Methods and material for containment and cleaning up

Containment/Clean-Up

Measures: Stop leak if can do it without risk. Absorb or cover with dry earth, sand or other absorbent materials and transfer to containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: No special precautions are necessary if used correctly.

Conditions for safe storage, including any incompatibilities

Storage: Store in ambient temperature, well-ventilated place away from excessive heat. Keep container closed when not in use. Keep away from incompatible materials.

Incompatible Materials: Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Components with limited values that require monitoring at the workplace: Not required.

Exposure controls

Personal Protective Equipment

Pictograms:   

Respiratory: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 26 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face: Wear safety goggles

Hands: Wear protective gloves

Skin/Body: Where extensive dermal exposure may be expected, either a chemical suit or a chemical apron will be needed.

General Industrial Hygiene

Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, or drinking. Safety shower and eye wash should be available close to work areas.

Environmental Exposure

Controls: Follow best practice for site management and disposal of waste. Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber liquid

Odor: Soap odor

pH: 8.60 ± 0.15

Boiling Point: Not determined

Melting Point: Not determined

Flash Point: Non combustible

Flammability: Product is not flammable

Decomposition

Temperature: Not determined

Heat of Decomposition: Not determined

Danger of Explosion: Product does not present an explosion hazard

Upper explosion limits: Not determined

Lower explosion limits: Not determined

Vapor Pressure: Not applicable

Vapor Density: Not applicable

KOPA™ INSECTICIDAL SOAP

EPA Registration Number: 67702-11-59807

Evaporation Rate: Not applicable
Density @ 20°C (68°F): 1.04 ± 0.03 g/mL
Water Solubility: Soluble
Partition coefficient (n-octanol/water): Not determined
Viscosity: Not available.

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions: No dangerous reactions known.
Conditions to avoid: Exposure to excessive heat.
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Carbon dioxide may form upon burning.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: LD₅₀ (oral) (rat) > 5000 mg/kg;
 LD₅₀ (dermal) > 5000 mg/kg
Routes of Entry
Skin: May cause severe skin irritation
Eyes: May cause moderate to severe eye irritation (reversible)
Ingestion: None identified.
Inhalation: May cause irritation.
Carcinogenic Categories
IARC (International Agency for Research on Cancer): Substance is not listed
NTP (National Toxicology Program): Substance is not listed

12. ECOLOGICAL INFORMATION

Toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Mobility in Soil: No further relevant information available.
Other Adverse Effects: No studies have been found

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Product Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations
Packaging Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

14. TRANSPORTATION INFORMATION

DOT Classification: Not regulated by US DOT Highway regulations.
U.S. Surface Freight Classification: NMFC item 155050, LTL Class 70 Insecticide
UN Number: Non-Hazardous. Not regulated.
IMDG Class (sea): Non-Hazardous. Not regulated.
IATA Class (air): Non-Hazardous. Not regulated.
Marine Pollutant: No
Packing Group: Not regulated.
Hazard Label(s): Non-Hazardous. Not regulated.
ADR Class (road): Not regulated.
Proper Shipping Name(s): Not regulated.
Reportable Quantity: None

KOPA™ INSECTICIDAL SOAP**EPA Registration Number: 67702-11-59807****15. REGULATORY INFORMATION****Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture****SARA** : N/A**Section 355 (Extremely Hazardous Substance)** . . . : Substance is not listed.**Section 313 (Specific Toxic Chemical Listings)** : Substance is not listed.**TSCA (Toxic Substance Control Act)** : Substance is not listed.**Proposition 65****Chemicals Known to Cause Cancer** : Substance is not listed.**Chemicals Known to Cause Reproductive Toxicity for Females** : Substance is not listed.**Chemicals Known to Cause Reproductive Toxicity for Males** : Substance is not listed.**Chemicals Known to Cause Developmental Toxicity** : Substance is not listed.**National Regulations** : Substance is not listed.**State Right to Know** : Substance is not listed**Labeling requirements under FIFRA**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, 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 equipment washwaters.

16. OTHER INFORMATION**Last Revision Date** : February 16, 2017**Disclaimer/Statement of**

Liability : The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.