



**INSECTICIDE CONCENTRATE**

**KILLS:** Crawling and Flying Insect Pests

**FOR USE:** Indoors, Outdoors, Fogging, Turf and Ornamental, On Animal and Mosquito Misting Applications

**SPECIMEN LABEL**

**ACTIVE INGREDIENTS:**

- Rosemary Oil ..... 10%
- Geraniol ..... 5%
- Peppermint Oil ..... 2%

**OTHER INGREDIENTS\*:** ..... 83%

**TOTAL:** ..... 100%

\*Wintergreen Oil, White Mineral Oil, Vanillin, Polyglyceryl Oleate

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender ingles, o use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.) See inside label booklet for FIRST AID and PRECAUTIONARY STATEMENTS.

**FIFRA 25(b) Exemption  
Octopamine Blocker Technology**

**PRECAUTIONARY STATEMENTS**

**CAUTION** – May cause eye and skin irritation. Avoid contact with eyes, skin and clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Persons handling concentrate are recommended to wear:

- Protective eyewear
- Chemical resistant gloves made of neoprene, nitrile or natural rubber

**USER SAFETY RECOMMENDATIONS:** Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of the gloves before removing.

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a physician if irritation persists.</li> </ul>
<b>IF ON SKIN</b>	<ul style="list-style-type: none"> <li>• Wash exposed area thoroughly with soap and water.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move exposed person(s) to fresh air.</li> <li>• If breathing problems persist, get medical attention.</li> </ul>
<b>IF INGESTED</b>	<ul style="list-style-type: none"> <li>• Rinse mouth out with water.</li> <li>• Do not induce vomiting.</li> <li>• Obtain medical attention if feeling sick or nauseous.</li> </ul>
Seek medical attention if necessary.	

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use, pour, spill or store near heat or open flame. Store only in original container.

**DIRECTIONS FOR USE**

**READ ENTIRE LABEL. USE IN ACCORDANCE WITH LABEL INSTRUCTIONS.**

When using this product as a space spray in food processing plants, remove or cover foods during treatment. Do not apply as a space spray while food processing is underway. Food processing surfaces and equipment must be covered during treatment or cleaned with an effective detergent and rinsed with potable water before reuse. Food processing operations may continue when this product is applied as a surface spray with care and in accordance with the directions and precautions given below.

Maintain agitation in all spray systems. Essentria® IC-3 Insect Concentrate is intended for use in and around buildings and structures as well as modes of transport.

**INDOOR USE AREAS:** Includes, but is not limited to, apartment buildings, bakeries, beverage plants, bottling facilities, breweries, cafeterias, candy plants, canneries, cereal processing and manufacturing plants, dairy barns, poultry facilities, flour mills, food processing plants, frozen food plants, homes, hospitals, hotels, houses, industrial buildings, kennels, kitchens, laboratories, manufacturing facilities, mausoleums, meat processing and packaging plants, meat and vegetable canneries, motels, nursing homes, office buildings, restaurants, schools, stores, supermarkets, warehouses and similar structures.

**OUTDOOR AREAS:** Includes, but is not limited to, building foundations, dairy facilities, drive-in restaurants, drive-in theaters, golf courses, parks, playgrounds, poultry houses, recreational areas, schools, urban areas, lawns, landscape areas, trees, turf and zoos.

**MODES OF TRANSPORT:** Aircraft, buses, trucks, trailers, rail cars and marine vessels.

**NOTE:** For sensitive indoor/outdoor surfaces such as vinyl, plastic, fabric, wood floors, etc., test a small non-visible area first before spraying. This includes vinyl siding, outdoor furniture, storm doors and windows, etc. It is possible that Essentria® IC-3 Insect Concentrate may mar some sensitive surfaces. If spray gets on any sensitive surface that is listed, simply rinse with water and wipe off with clean cloth. Essentria® IC-3 Insect Concentrate may be diluted with water or oil and applied with conventional application equipment including, but not limited to, compressed air sprayers and power sprayers. When diluting with water, prepare only the amount needed for immediate use and maintain agitation during use. Do Not Store Spray Solution Overnight. For oil dilutions that are applied in food handling establishments, a deodorized petroleum oil which conforms to CFR 21 (especially Section 172.884) is required (such as Exxon Isopar M, Ashland Low Odor Base Solvent or the equivalents). Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label dosages may be exceeded. This product cannot be tank mixed with any product with label prohibitions against such mixing.

Most effective results are achieved when used as part of a treatment protocol that includes physical, environmental and other chemical pest control measures.

### INDOOR USE

Do not apply directly to house plants. Cover/avoid any pools or aquaria prior to spraying.

**GENERAL PEST CONTROL:** To control accessible, exposed stages of crawling insects including, but not limited to, ants, bed bugs, cockroaches, cadelles, cigarette beetles, dark mealworms, dried fruit beetles, drugstore beetles, confused flour beetles, fleas, grain mites, fowl mites, mites, nuisance beetles (such as lady beetles), red flour beetles, rice weevils, saw-toothed grain beetles, spiders, spider beetles, yellow mealworms in sites that include, but are not limited to, apartments, homes, restaurants, food processing plants, industrial installations and warehouses, dilute at the rate of up to 0.5 to 6 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rates for active infestations). Thoroughly spray non-visible areas where these insects are usually found with special attention to cracks and crevices, niches, dark corners, drains and other harborage sites. When treating for bed bugs, thoroughly clean, vacuum, and air mattresses and springs prior to treatment. Mix Essentria® IC-3 Insect Concentrate at a rate of 1 to 4 fluid ounces per gallon of water and apply as a spot treatment to cracks and crevices, around baseboards, floorboards, headboards, and walls. In hotels and other public lodging facilities, pay special attention to luggage stands and the adjacent area. On mattresses and springs, spot treat only areas that may harbor pests. Concentrate on tufts, seams, folds, and creases. Repeat as necessary. To prevent potential discoloring, do not spray on visible areas (i.e., baseboards, door frames, walls, etc.) and wipe away excess. Food processing operations may continue when Essentria® IC-3 Insect Concentrate is applied as a surface, spot or crack and crevice treatment in accordance with the directions and precautions given above.

**FOGGING:** To control crawling and flying insects (moths and flies, including house flies, horse flies, stable flies, horn flies, mosquitoes, gnats, fruit flies, phorid flies, etc) in sites that include, but are not limited to, food processing plants, (INCLUDING USDA INSPECTED FACILITIES), industrial installations, animal quarters (cattle barns, horse barns, poultry barns, swine houses, zoos) and warehouses, Essentria® IC-3 Insect Concentrate may be applied as a space spray through conventional fogging equipment misting systems (including mist sprayers and mist blowers), automated spray systems, and/or related application technologies. Cover or remove exposed food and cover food-handling surfaces in edible product areas of food handling establishments. Also cover sensitive surfaces (plastics, etc.). Close and shut off air conditioning or ventilating equipment. Mix 4 to 10 fluid ounces of Essentria® IC-3 Insect Concentrate with sufficient oil to equal 1 gallon of diluted spray. (It is recommended to use lower rates in most food facility applications). Apply at a rate of 1 to 3 fluid ounces per 1,000 cubic feet, filling the room with mist (or

fog, if thermal equipment is used). Keep area closed for at least 15 minutes. Vacate treated area. Ventilate before reoccupying. Fogging may create slippery conditions on painted floor surfaces. Retreat if reinfestation occurs.

The product does contain plant oils that are inherently fragrant. When used in confined spaces, prolonged exposure to the fragrance may be objectionable to some individuals.

### OUTDOOR USE

**PERIMETER TREATMENTS AND RECREATIONAL AREAS:** To control aphids, ants, bees, boxelder bugs, centipedes, cockroaches, crickets, darkling beetles, firebrats, fleas, ground beetles, fowl mites, mites, millipedes, pillbugs, silverfish, sowbugs, spiders, ticks and wasps. In compressed air sprayers, dilute 1 to 8 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rates for active infestations) and apply at the rate of 2 gallons per 1,000 square feet or until area is thoroughly wet. Also apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to buildings. Treat the building foundation to a height of 2 to 3 feet with sufficient water for coverage. Make special efforts to spray areas where pest species congregate such as, but not limited to, waste receptacles, dumpsters, unoccupied picnic tables, the exterior of food handling establishments, and food pavilions. Additionally, apply around potential entry areas such as, but not limited to, eaves, windows, doorways, porches, porch lights, and around utility boxes. For power sprayers, mix approximately 1 to 6 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water (use lower rate for maintenance service and higher rates for active infestations) and apply until area is sufficiently covered (usually min. 4 gallons per 1,000 square feet.). Maintain agitation. Repeat as necessary.

**MOUND DRENCH METHOD - FOR CONTROL OF FIRE ANTS AND OTHER MOUNDING ANTS:** Dilute 2 to 4 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water. Apply 1 to 2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12 inches. For best results, apply in cool weather, such as the early morning or late evening hours, but not in the heat of the day.

**MOSQUITO CONTROL AND OTHER BITING FLIES - OUTDOOR YARD OR BARRIER TREATMENT:** To control adult mosquitoes and other biting flies using ground application, dilute 1 to 3 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water. Treat harborage areas such as shrubbery and vegetation where mosquitoes/flies may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Repeat as necessary.

**MOSQUITO CONTROL AND OTHER BITING INSECTS - AUTOMATIC SPRAYING SYSTEMS:** Automatic spraying systems must not be programmed to release pesticides where food or feed is directly exposed. To control flies, house flies, horn flies, stable flies, horse flies, mosquitoes and gnats, add concentrate to tank and add water to obtain desired dilution. Agitate well while adding water and maintain thorough agitation while system is in use. In automatic spraying systems like, but not limited to, misting systems used for mosquito and other biting insect control, solutions of Essentria® IC-3 Insect Concentrate may be stored for extended periods of time, not to exceed one month, as long as the system has agitation and the appropriate quantity of adjuvant is used. Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver one fluid ounce liquid per minute. Locate nozzles to cover a maximum of 2,000 cubic feet of space per nozzle. Set timer to operate in accordance with equipment directions. Dilute Essentria® IC-3 Insect Concentrate just prior to use at 0.5 to 3 fluid ounces per gallon of water (Use lower dilution rates for preventative applications).

**TO CONTROL SPIDERS, FLYING INSECTS, AND OTHER NUISANCE PESTS ON AND AROUND BOAT DOCKS:** As an aid in the elimination of their harborage areas, dilute 2 to 8 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water and apply at the rate of 2 gallons per 1,000 square feet or until area is thoroughly wet. Since flying insects can migrate in and out of the treatment area, it is recommended to use this product as part of an Integrated Pest Management (IPM) program. This includes, but is not limited to, eliminating breeding and harborage sites.

**USE ON TURF AND GRASS: Use alone as a contact spray.** To control ants, armyworms, billbugs, chinch bugs, chiggers, crickets, cutworms, earwigs, fleas, grasshoppers, Hyperodes weevils (adults), Japanese beetles (adults), mole crickets, sod webworms and ticks, dilute in a compressed air sprayer (or backpack), 2 to 4 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water and apply at the rate of 2 to 4 gallons per 1,000 square feet or until area is thoroughly wet. For power sprayers, mix approximately 2 to 4 fluid ounces per gallon of water and apply until area is sufficiently covered (usually min. 4 gallons per 1,000 square feet with power sprayer). Exceeding rates may create potential phytotoxicity of turf surfaces.

**USE ON NON-BEARING TREES AND SHRUBS:** To control mites, scale insects, mealybugs, aphids, lace bugs, whiteflies, tent caterpillars, bagworms and beetles, dilute up to 1 to 2 fluid ounces of Essentria® IC-3 Insect Concentrate per gallon of water and apply using a compressed air sprayer or power sprayer until foliage is thoroughly wet. Maintain agitation.

Exceeding rates may create potential phytotoxicity on plant surfaces. Dilute with enough water to obtain thorough coverage.

### LIVESTOCK USE DIRECTIONS

USE	INSECT	DILUTION ESSENTRIA® IC-3 INSECT CONCENTRATE	REMARKS
Livestock Spray (Beef Cattle, Swine, Goats and Sheep)	To control flying insects including, but not limited to: Flies, House flies, Deer flies, Stable flies and aids in the control of Face flies	1 to 3 fluid ounces per gallon of mineral oil USP	Dilute in mineral oil USP as indicated and spray directly on the animal in sufficient amounts for proper coverage. There is no withholding period from last application to slaughter.
	Ticks and Lice		Apply as above
Livestock Spray (Lactating Dairy Cattle)	To control flying insects including, but not limited to: Flies, House flies, Deer flies, Stable flies and aids in the control of Face flies	1 to 3 fluid ounces per gallon of mineral oil USP	Dilute in mineral oil USP as indicated. Direct spray to cover thoroughly. Repeat as necessary. No milk discard is required. Care should be taken that the spray does not come in direct contact with the lactating cow's teats unless they are washed with an approved cleansing solution and dried before milking. Apply the spray at least 20 minutes prior to milking or after milking has been completed.
	Ticks and Lice		Apply as above
Horses	To control flying insects including, but not limited to: Flies, House flies, Deer flies, Stable flies and aids in the control of Face flies	1 to 3 fluid ounces per gallon of mineral oil USP	Dilute in mineral oil USP as indicated and spray directly on the animal in sufficient amounts for proper coverage.
Poultry	Poultry lice, Bed bugs and Mites	2 to 6 fluid ounces per gallon of mineral oil USP	Spray roosts, roost poles, walls (especially cracks in walls), and nests or cages thoroughly. It is not necessary to remove poultry from the housing unit during treatment. This should be followed by spraying over the birds with a fine mist.

### PREMISE USE DIRECTIONS FOR LIVESTOCK FACILITIES

USE	INSECT	DILUTION ESSENTRIA® IC-3 INSECT CONCENTRATE	REMARKS
Residual Surface Spray	Flies, Gnats, Litter beetles, Darkling beetles (Lesser mealworms) Mosquitoes, Spiders, Wasps	1 to 3 fluid ounces per gallon of mineral oil USP	Apply 1 gallon of dilution per 500-1,000 sq ft. Thoroughly cover walls, ceilings or other areas where pests rest or congregate in dairy barns, poultry houses, swine buildings, livestock sheds, and other farm buildings.
Larvicide	Maggots (Fly larvae)	1 to 3 fluid ounces per gallon of mineral oil USP	Apply 1 gallon of dilution per 100 sq ft of droppings as a coarse spray. Repeat at 7-10 day intervals until droppings begin to cone up, then treat only "hot spots" (small areas found to have large number of maggots).

### USE RATES FOR ANY PLANTS GROWN INDOORS OR IN GREENHOUSES, SHADEHOUSES, INTERIORSCAPES, AND NURSERIES

PEST	OZ/100 GALLONS	RECOMMENDATIONS
APHIDS, such as: Green peach aphids, Pea aphids, Cotton aphids, Rose aphids	10	Spray when pests first appear. Repeat application every 5-7 days.
BETTERLES, such as: Bark beetles, Flea beetles, Japanese beetles, Leaf beetles	20	Spray when pests first appear. Repeat as needed.
CATERPILLARS, such as: Armyworms, Bagworms, Cutworms, Leafrollers, Loopers, Spruce budworms, Webworms	16	Spray when pests first appear.

PEST	OZ/100 GALLONS	RECOMMENDATIONS
<b>CONTINUED</b>		
FLIES, such as: Fungus gnats, Shore flies	32	Add at least 1 pint of mixture per gallon pot as soil drench. Repeat application every 7 days for 3 weeks. For poinsettias, lilies and bedding plants, also make one application 10 to 15 days prior to shipping plants to prevent adult emergence.
LACEWINGS, such as: Azalea lacewings	10	Spray when pests first appear.
LEAFHOPPERS, such as: Grape leafhoppers, Potato leafhoppers	16	Repeat application every 5-7 days.
LEAFMINERS, such as: Azalea leafminers, Citrus leafminers, Blotch leafminers, Boxwood leafminers	16	Make 2 applications in rotation with adulticides such as pyrethroids.
MEALYBUGS, such as: Citrus mealybugs, Long-tailed mealybugs	16	Spray when pests first appear. Repeat every 5 to 7 days.
MITES, such as: Two-spotted spider mites, Broad mites, Citrus budmites, Cyclamen mites, Rust mites	16	Spray when pests first appear. Repeat every 5 to 7 days.
SOFT SCALES	20	Use in sufficient water to cover twigs and leaves.
THRIPS, such as: Western flower thrips	10	Spray when pests first appear. Repeat every 5 to 7 days.
WEEVILS, such as: Black vine weevils, Strawberry vine weevils	16	Make foliar applications to deter adult feeding. Make soil drench applications during spring and fall periods to control larvae. Make at least 3 to 4 applications 10 days apart.
WHITEFLIES, such as: Greenhouse whiteflies, Silverleaf whiteflies	10	Ensure good coverage to top and bottom of leaves against larvae and pupae.

### USE RATES FOR OUTDOOR PLANTS INCLUDING TREES, TURFGRASS, NURSERY, AND ALL OUTDOOR ORNAMENTAL PLANTS

PEST	OZ/100 GALLONS	RECOMMENDATIONS
APHIDS, such as: Green peach aphids, Pea aphids, Cotton aphids, Potato aphids, Rose aphids	12	Spray when pests first appear. Repeat application every 5-7 days.
BETTERLES, such as: Bark beetles, Colorado potato beetles, Flea beetles, Japanese beetles, Leaf beetles, Mexican bean beetles, Rose chafers, Twig girdlers	32	Spray when pests first appear. Repeat application after 7 to 10 days.
BORERS, such as: Dogwood borers, Cranberry borers, Peachtree borers, Peach twig Borers	32	Spray soon after eggs hatch.
BUGS, such as: Boxelder bugs, Chinch bugs, Lygus bugs, Spittlebugs, Stink bugs	12	Spray nymphs early.
CATERPILLARS, such as: Armyworms, Bagworms, Budworms, Cankerworms, Casebearers, Caseworms, Corn earworms, Cutworms, Fruitworms, Gypsy moths, Hornworms, Leafrollers, Navel orange worms, Pine tip moths, Sod webworms, Tent caterpillars, Tobacco budworms, Tussock moths	16	Spray when pests first appear. Repeat application after 5 to 7 days.
FLIES, such as: Cherry maggots, Crane flies, Midges	20	Drench soil to kill larvae.
LEAFHOPPERS, such as: Variegated leafhoppers	32	Spray when pests first appear. Repeat application after 5-7 days.
LEAFMINERS, such as: Azalea leafminers, Citrus leafminers, Blotch leafminers, Boxwood leafminers	16	Spray early. Make 2 applications in rotation with adulticides such as pyrethroids.
MEALYBUGS, such as: Apple mealybugs, Citrus mealybugs, Grape mealybugs	16	Use in sufficient water to cover twigs and leaves.
MITES, such as: Two-spotted spider mites, Broad mites, Citrus budmites, Cyclamen mites, Rust mites	16	Spray when pests first appear. Repeat application after 7-10 days. Use in sufficient water to cover undersides of leaves.
PSYLLIDS, such as: Pear psyllids	16	Spray when pests first appear. Repeat application after 7-10 days. Use in sufficient water to cover undersides of leaves.
SAWFLIES, such as: European pine sawflies, Pear sawflies, Red-headed pine sawflies, Yellow-headed pine sawflies	16	Treat larvae early.
SCALES, such as: Black scales, Brown soft scales, California red scales, Coffee scales, Olive scales, San Jose scales	16	Use in sufficient water to cover twigs and leaves.
THRIPS, such as: Citrus thrips, Onion thrips, Western flower thrips	16	Spray when pests first appear. Repeat every 5 to 7 days.
WEEVILS, such as: Black vine weevils, Strawberry vine weevils	16	Make foliar applications to repel adults. Make soil drench applications
WHITEFLIES, such as: Greenhouse whiteflies, Silverleaf whiteflies, Woolly whiteflies	16	Use in sufficient water to cover undersides of leaves.

**FOR CHEMICAL SPILL, LEAK, OR FIRE, CALL: CHEMTREC 1-800-424-9300**  
**FOR MEDICAL EMERGENCIES, CALL: 1-800-248-7763**  
**KEEP ALL INSECTICIDES OUT OF REACH OF CHILDREN**

### STORAGE AND DISPOSAL

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

**FOR CONTAINERS LARGER THAN ONE GALLON: PESTICIDE STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with trash.

**CONTAINER DISPOSAL:** Triple rinse or its equivalent, then offer for recycling or reconditioning, or puncture and dispose of with ordinary trash.

#### **FOR CONTAINERS ONE GALLON AND SMALLER:**

**STORAGE:** Store in original container in a dry, cool place inaccessible to children and pets.

**DISPOSAL:** Do not reuse container. Discard in trash.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product.

Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Central Garden & Pet Company or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Central Garden & Pet Company and Seller harmless for any claims relating to such factors.

Central Garden & Pet Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Central Garden & Pet Company, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, CENTRAL GARDEN & PET COMPANY MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Central Garden & Pet Company or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CENTRAL GARDEN & PET COMPANY AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CENTRAL GARDEN & PET COMPANY OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Central Garden & Pet Company and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Central Garden & Pet Company.



Central Garden & Pet Company, 1501 East Woodfield Road, 200W, Schaumburg, Illinois 60173

**NOTE:** This specimen label is for informational purposes only. All uses may not be approved in all states. See product labeling for use directions.

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# Essentria IC3 Insect Concentrate

## Safety Data Sheet

Date of issue: 01/26/2015

Revision date: 01/18/2018

Supersedes: 12/08/2017

Version: 1.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Essentria IC3 Insect Concentrate  
Synonyms : 674610, 100208730, 100208930, 100532769

#### 1.2. Recommended use and restrictions on use

Recommended use : Insecticide.  
Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame. Do NOT take internally.

#### 1.3. Supplier

Envincio, LLC  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173 - United States

#### 1.4. Emergency telephone number

Emergency number : 1-800-248-7763  
1-800-424-9300 - CHEMTREC  
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 4	Combustible liquid
Acute toxicity (oral) Category 4	Harmful if swallowed
Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 1	Causes serious eye damage
Skin sensitization, Category 1	May cause an allergic skin reaction
Reproductive toxicity Category 1B	May damage fertility or the unborn child
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Combustible liquid  
Harmful if swallowed  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye damage  
May cause drowsiness or dizziness  
May damage fertility or the unborn child

Precautionary statements (GHS-US) :

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, open flames, sparks. - No smoking.  
Avoid breathing fume, gas, mist, spray, vapors.  
Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace  
Wear Gloves.  
If swallowed: Immediately call un centro de toxicología o a un médico

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

If swallowed: Call un centro de toxicología o a un médico if you feel unwell  
If on skin: Wash with plenty of water  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If exposed or concerned: Get medical advice/attention.  
Immediately call a poison center or doctor.  
Rinse mouth.  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.  
Store locked up.  
Dispose of contents/container to in accordance with local/regional/national/international regulations

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Rosemary oil	(CAS-No.) 8000-25-7	10
Geraniol	(CAS-No.) 106-24-1	5
Peppermint Oil	(CAS-No.) 8030-01-1	2
Wintergreen Oil	(CAS-No.) 68917-75-9	37
Mineral oil, white	(CAS-No.) 8042-47-5	40
Vanillin	(CAS-No.) 121-33-5	3
Other ingredients	(CAS-No.) N/A	Balance

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. If eye irritation persists: Get medical advice and attention.  
First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.  
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Aspiration Hazard - may be fatal if swallowed and enters airways. Harmful if swallowed.  
Chronic symptoms : May damage fertility or the unborn child.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use water. May spread fire.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid. Containers may explode when heated. Liquid will float and may re-ignite on surface of water.  
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Do not allow fire fighting water to escape into waterways or sewers. Eliminate all ignition sources if safe to do so. Do not use direct stream of water. A direct stream of water may spread fire. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.  
Emergency procedures : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

- Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Wear appropriate personal protective equipment, avoid direct contact.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Incompatible materials : Heat, sparks, open flame. Strong oxidizers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Mineral oil, white (8042-47-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Vanillin (121-33-5)		
AIHA	WEEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear chemically resistant protective gloves.

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

#### Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, light brown liquid
Color	: Light brown
Odor	: Faint, mint-like
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 145 °F (62.8 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.985 g/ml
Solubility	: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

### 9.2. Other information

No additional information available



# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Excessive heat > 110° F. Keep away from fire. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Do not freeze.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May decompose upon heating to produce toxic vapors/gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Essentria IC3 Insect Concentrate	
ATE (Oral)	1841 mg/kg body weight
Rosemary oil (8000-25-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	(No data available)
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	(No data available)
Wintergreen Oil (68917-75-9)	
LD50 oral rat	887 mg/kg
LD50 dermal	(No data available)
LC50 inhalation rat (mg/l)	(No data available)
Mineral oil, white (8042-47-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
Vanillin (121-33-5)	
LD50 oral rat	1580 mg/kg
LD50 dermal rabbit	> 5010 mg/kg
LD50 dermal	(No data available)

GHS-US Properties	Classification
Acute toxicity	Oral: Harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicant (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### Potential health effects

#### Inhalation

Acute : May cause drowsiness and dizziness.

#### Skin

Acute : May cause an allergic reaction in individuals with a sensitivity to Wintergreen oil or Geraniol, Causes skin irritation.

#### Eye

Acute : May cause serious eye damage.

#### Ingestion

Acute : Aspiration hazard - small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema, Harmful if swallowed.

**Reproductive Effects** : Wintergreen causes birth defects and effects on reproduction.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
<b>DOT</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>IMDG</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>IATA</b>	UN3334	Aviation regulated liquid, n.o.s. (rosemary oil)	9	III	Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Rosemary oil (8000-25-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Geraniol (106-24-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### Wintergreen Oil (68917-75-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Mineral oil, white (8042-47-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Vanillin (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. US State regulations

No additional information available

## SECTION 16: Other information

Date of issue : 26 January 2015  
Revision date : 18 January 2018  
Supersedes : 08 December 2017

Indication of changes:

Revised Sec. 1. Revised Sec. 3.

SDS US (GHS HazCom 2012) - CGP

*The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.*

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

Date of issue: 01/26/2015

Revision date: 01/18/2018

Supersedes: 12/08/2017

Version: 1.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Essentria IC3 Insect Concentrate  
Synonyms : 674610, 100208730, 100208930, 100532769

#### 1.2. Recommended use and restrictions on use

Recommended use : Insecticide.  
Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame. Do NOT take internally.

#### 1.3. Supplier

Envincio, LLC  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173 - United States

#### 1.4. Emergency telephone number

Emergency number : 1-800-248-7763  
1-800-424-9300 - CHEMTREC  
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 4	Combustible liquid
Acute toxicity (oral) Category 4	Harmful if swallowed
Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 1	Causes serious eye damage
Skin sensitization, Category 1	May cause an allergic skin reaction
Reproductive toxicity Category 1B	May damage fertility or the unborn child
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Combustible liquid  
Harmful if swallowed  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye damage  
May cause drowsiness or dizziness  
May damage fertility or the unborn child

Precautionary statements (GHS-US) :

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, open flames, sparks. - No smoking.  
Avoid breathing fume, gas, mist, spray, vapors.  
Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace  
Wear Gloves.  
If swallowed: Immediately call un centro de toxicología o a un médico

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

If swallowed: Call un centro de toxicología o a un médico if you feel unwell  
If on skin: Wash with plenty of water  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If exposed or concerned: Get medical advice/attention.  
Immediately call a poison center or doctor.  
Rinse mouth.  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.  
Store locked up.  
Dispose of contents/container to in accordance with local/regional/national/international regulations

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Rosemary oil	(CAS-No.) 8000-25-7	10
Geraniol	(CAS-No.) 106-24-1	5
Peppermint Oil	(CAS-No.) 8030-01-1	2
Wintergreen Oil	(CAS-No.) 68917-75-9	37
Mineral oil, white	(CAS-No.) 8042-47-5	40
Vanillin	(CAS-No.) 121-33-5	3
Other ingredients	(CAS-No.) N/A	Balance

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. If eye irritation persists: Get medical advice and attention.  
First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.  
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Aspiration Hazard - may be fatal if swallowed and enters airways. Harmful if swallowed.  
Chronic symptoms : May damage fertility or the unborn child.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use water. May spread fire.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid. Containers may explode when heated. Liquid will float and may re-ignite on surface of water.  
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Do not allow fire fighting water to escape into waterways or sewers. Eliminate all ignition sources if safe to do so. Do not use direct stream of water. A direct stream of water may spread fire. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.  
Emergency procedures : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Wear appropriate personal protective equipment, avoid direct contact.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Incompatible materials : Heat, sparks, open flame. Strong oxidizers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Mineral oil, white (8042-47-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Vanillin (121-33-5)		
AIHA	WEEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear chemically resistant protective gloves.

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

#### Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, light brown liquid
Color	: Light brown
Odor	: Faint, mint-like
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 145 °F (62.8 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.985 g/ml
Solubility	: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

### 9.2. Other information

No additional information available

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Excessive heat > 110° F. Keep away from fire. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Do not freeze.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May decompose upon heating to produce toxic vapors/gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Essentria IC3 Insect Concentrate	
ATE (Oral)	1841 mg/kg body weight
Rosemary oil (8000-25-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	(No data available)
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	(No data available)
Wintergreen Oil (68917-75-9)	
LD50 oral rat	887 mg/kg
LD50 dermal	(No data available)
LC50 inhalation rat (mg/l)	(No data available)
Mineral oil, white (8042-47-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
Vanillin (121-33-5)	
LD50 oral rat	1580 mg/kg
LD50 dermal rabbit	> 5010 mg/kg
LD50 dermal	(No data available)

GHS-US Properties	Classification
Acute toxicity	Oral: Harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicant (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.



# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### Potential health effects

#### Inhalation

Acute : May cause drowsiness and dizziness.

#### Skin

Acute : May cause an allergic reaction in individuals with a sensitivity to Wintergreen oil or Geraniol, Causes skin irritation.

#### Eye

Acute : May cause serious eye damage.

#### Ingestion

Acute : Aspiration hazard - small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema, Harmful if swallowed.

**Reproductive Effects** : Wintergreen causes birth defects and effects on reproduction.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
<b>DOT</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>IMDG</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>IATA</b>	UN3334	Aviation regulated liquid, n.o.s. (rosemary oil)	9	III	Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Rosemary oil (8000-25-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Geraniol (106-24-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

# Essentria IC3 Insect Concentrate

## Safety Data Sheet

### Wintergreen Oil (68917-75-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Mineral oil, white (8042-47-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Vanillin (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. US State regulations

No additional information available

## SECTION 16: Other information

Date of issue : 26 January 2015  
Revision date : 18 January 2018  
Supersedes : 08 December 2017

Indication of changes:

Revised Sec. 1. Revised Sec. 3.

SDS US (GHS HazCom 2012) - CGP

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**INSECTICIDE CONCENTRATE**

## Broad-Spectrum Insect Control With No Compromises. Naturally.

**What makes Essentria™ IC<sup>3</sup> work so well?** Our most flexible, broad-spectrum EPA FIFRA 25(b) exempt product has gotten even better with three big improvements. There is no need for separate adjuvants, and we've added a fragrance modifier for a non-intrusive botanical fragrance. A convenient new quart size means you have an option for any sized job, even near or over water. Plus, our proprietary Octopamine Blocker<sup>SM</sup> technology uses natural botanical compounds to provide fast, complete knockdown with residual control. Essentria IC<sup>3</sup> takes EPA FIFRA 25(b) exempt, organic-compliant insect control to a new level of efficacy and convenience with no compromises.



### Key Performance Benefits

Fast knockdown and kill of flying and crawling insects

Safe and effective for misting and fogging applications as well as crack and crevice, broadcast and spot treatments

Broad label with university proven and field tested performance

An excellent choice for sensitive accounts and interior applications for residential and commercial accounts

No aquatic setback requirements allows for treatment near or over open water

National Organics Program (NOP) compliant

Essentria™ IC<sup>3</sup>  
contains  
all-natural  
Rosemary and  
Peppermint oils.

#### Active Ingredients

Rosemary Oil (10.0%)  
Geraniol 600 (5.0%)  
Peppermint Oil (2.0%)

#### Competitive Alternatives

Suspend® (Deltamethrin)  
Demand® (Lambda  
Cyhalothrin)  
Talstar® (Bifenthrin)  
Tempo® (Beta-cyfluthrin)  
Cy-Kick® (Cyfluthrin)

#### Formulation

Emulsifiable Concentrate

#### Chemical Family

Botanical

#### Mode of Action

Octopamine Blocker

#### Restricted Use

No

#### Signal Word

Caution

#### Packaging Information

10 x 1 qt  
4 x 1 gal jug

Scan this code to your smartphone  
to get more info online.



Download a free  
QR code reader app online.



**Unique Mode of Action:** Essentria IC3's Octopamine Blocker Technology provides fast knockdown and kill across a broad spectrum of flying and crawling insects. The essential oils that comprise the active ingredients in Essentria products work by disrupting the neurotransmitter function in target insects. In invertebrates, with their simpler nervous systems, a multi-functional chemical known as octopamine handles many of these functions. By targeting octopamine receptors, these essential oils provide insecticidal activity with a much wider margin of safety than other products. Because vertebrates like birds, fish, dogs and people don't have octopamine receptors; they are not affected by this unique mode of action. Visit [www.envincio.com](http://www.envincio.com) to learn more about Octopamine Blocker Technology.

**Sensitive Accounts:** Because IC3 is based on botanical actives and is a 25(b) minimum risk insecticide, it does not require a re-entry period, making it perfect for treating accounts with a lot of human activity such as schools, day care facilities and commercial establishments. IC3 can also be used in many areas where efficacy cannot be compromised, while treatments must be made in the most chemically sensitive way possible. Zoos, animal clinics, educational facilities, government buildings, healthcare facilities and interior treatments of residential accounts are a few examples of such sites. Food processing facilities also directly benefit because Essentria IC3 applications may be made while the plant is in operation.



**Organic Programs:** Essentria IC3 is NOP (National Organic Program) compliant which makes it the product of choice for operators everywhere who are treating organic facilities of all types. This includes food processing facilities, restaurants, and retail establishments where organic produce is sold. This feature also makes Essentria IC3 the "Gold Standard" product for all Green Pest Management accounts.

**No Aquatic Setback Requirements:** Essentria IC3 has no aquatic toxicity, therefore, applications may be made near or over open water. This allows for the mitigation of spiders around boat docks and marinas. This also allows for thorough mosquito abatement treatments in areas where foliage runs adjacent to and over bodies of water.



## Labeled Uses

Indoor Use: Fogging, General Pest Control

Outdoor Use: Boat Docks, Mound Drench, Perimeter Treatments, Recreational Areas, Trees and Shrubs, Turf and Grass

Livestock Use: On or Around Beef Cattle, Goats, Horses, Dairy Cattle, Poultry, Swine

## Insects Controlled

### Turf and Ornamental

- Ants
- Aphids
- Armyworms
- Bagworms
- Beetles
- Billbugs
- Chinch bugs
- Chiggers
- Crickets
- Cutworms
- Earwigs
- Fleas
- Grasshoppers
- Hyperodes weevils (*adults*)
- Japanese beetles (*adults*)
- Lace bugs
- Mealybugs
- Mites
- Mole crickets
- Scale insects
- Sod webworms
- Tent caterpillars
- Ticks
- Whiteflies

### Livestock

- Bedbugs
- Darkling beetles (*lesser meal worms*)
- Flies (*Deer, Face, House*)
- Gnats
- Lice
- Litter beetles
- Maggots (*fly larvae*)
- Mites
- Mosquitoes
- Poultry lice
- Spiders
- Stable lice
- Ticks
- Wasps



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Please visit  
[www.envincio.com](http://www.envincio.com)  
 to download  
 a specimen label.