



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.

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



Section 1: Identification

Product identifier

Product Name • **Essentria IC3 Insect Concentrate**

Synonyms • 100208730; 100208930; 674610

Product Description • Clear, light brown liquid.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Insecticide.

Restrictions on use •
KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame. Do not take internally. When used indoors, ensure adequate ventilation.

Details of the supplier of the safety data sheet

Manufacturer • Central Garden & Pet Company
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

www.central.com

Emergency telephone number

Manufacturer • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Manufacturer • 1-800-424-9300 - CHEMTREC

Manufacturer • 1-800-248-7763

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Acute Toxicity Oral 4
Aspiration 1
Flammable Liquids 4
Reproductive Toxicity 1B
Serious Eye Damage 1
Skin Irritation 2
Skin Sensitization 1
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

Label elements

OSHA HCS 2012

DANGER



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

Precautionary statements

- Prevention** • Wash thoroughly after handling.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 Avoid contact during pregnancy/while nursing.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.

- Response** • IF ON SKIN: Wash with plenty of soap and water.
 Specific treatment, see supplemental first aid information.
 If skin irritation occurs: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
 IF exposed or concerned: Get medical advice/attention.
 In case of fire: Use appropriate media CO2, Dry chemical, Foam for extinction.

- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%

Rosemary oil	CAS:8000-25-7	10%
Geraniol	CAS:106-24-1	5%
Wintergreen Oil	CAS:68917-75-9	37%
White mineral oil	CAS:8042-47-5	40%
Vanillin	CAS:121-33-5	3%
Other ingredients	NDA	5%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor for further treatment advice.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

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

- IF SWALLOWED: Immediately call a poison control center or doctor. Aspiration hazard - if swallowed, do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

- Aspiration hazard; eye irritant, skin irritant, may cause an allergic skin reaction in individuals with a sensitivity to Wintergreen Oil or Geraniol, harmful if swallowed, may damage fertility or the unborn child. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media • Do not use water. May spread fire.

Firefighting Procedures • Do not allow fire fighting water to escape into waterways or sewers. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray. Do not use direct stream of water. A direct stream of water may spread fire. Eliminate ignition sources.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Combustible liquid. Containers may explode when heated. Liquid will float and may re-ignite on surface of water.

Hazardous Combustion Products

- Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons and terpenes.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- Ventilate enclosed areas. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep all sources of ignition away.

Emergency Procedures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering.

Environmental precautions

- No data available

Methods and material for containment and cleaning up**Containment/Clean-up Measures**

- Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

Section 7 - Handling and Storage**Precautions for safe handling****Handling**

- Keep away from fire - No Smoking. Avoid breathing fumes. Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact.

Conditions for safe storage, including any incompatibilities**Storage**

- Store locked up. Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Incompatible Materials or Ignition Sources

- Heat, sparks, open flame. Oxidizing agents.

Section 8 - Exposure Controls/Personal Protection**Control parameters****Exposure Limits/Guidelines**

- No data available.

Exposure controls**Engineering Measures/Controls**

- Use adequate ventilation to remove vapors (fumes, dust, etc.)

Personal Protective Equipment**Pictograms**

- 

- Respiratory**
 - In case of insufficient ventilation, wear suitable respiratory equipment.
- Eye/Face**
 - Wear chemical splash safety goggles.
- Hands**
 - Wear appropriate gloves.
- Skin/Body**
 - Wear full body suit.
- Environmental Exposure Controls**
 - While specific data regarding toxicity to fish or other aquatic organisms is not available for this product, care should always be taken to prevent pesticides from entering aquifers.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear, light brown liquid.
Color	Light brown.	Odor	Faint minty.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	0.985g/ml	Density	No data available
Water Solubility	Not soluble	Viscosity	No data available
Critical Temperature	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	145 °F(62.7778 °C)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Direct sunlight. Do not freeze. Excessive heat >110°F. Heat, sparks, open flame, other ignition sources, and oxidizing conditions.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons and terpenes.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral 4
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	OSHA HCS 2012 • Serious Eye Damage 1
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 1B
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause drowsiness and dizziness.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • May cause an allergic reaction in individuals with a sensitivity to Wintergreen oil or Geraniol. Causes skin irritation.
- Chronic (Delayed)** • No data available

Eye

- Acute (Immediate)** • Causes serious eye damage.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • 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.
- Chronic (Delayed)** • No data available

Mutagenic Effects

- Not classified.

- Carcinogenic Effects** • Not classified.
- Reproductive Effects** • Laboratory experiments have shown teratogenic effects.

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available

Other adverse effects

- Potential Environmental Effects** • No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water by disposal.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	UN3334	Aviation regulated liquid, n.o.s. (rosemary oil)	9	III	Not Applicable

- Special precautions for user** • None specified.

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

Other information

IMO/IMDG • No data available

IATA/CAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic

Inventory		
Component	CAS	TSCA
Geraniol	106-24-1	Yes
Rosemary oil	8000-25-7	Yes
Vanillin	121-33-5	Yes
White mineral oil	8042-47-5	Yes
Wintergreen Oil	68917-75-9	Yes

Section 16 - Other Information

Revision Summary		
Revision Date	MSDS Number	Changes
01/September/2016		• Section 1 changed - Material Name Added

Revision Date • 01/September/2016

Last Revision Date • 26/January/2015

Preparation Date • 26/January/2015

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