

EcoEXEMPT® IC²

Insecticide Concentrate

with EcoSMART BOTANICALS™,

a blend of plant oils, tested and proven to kill and control a broad spectrum of insects.

ACTIVE INGREDIENT:	Rosemary Oil.....	10.0%
	Peppermint Oil.....	2.0%
OTHER INGREDIENTS:	Oil of Wintergreen, Mineral Oil USP, Vanillin.....	88.0%
TOTAL.....		100.0%

- **New, softer fragrance**
- Provides rapid knockdown/kill and residual protection.
- Multi-purpose: For indoor, outdoor, fogging, turf and ornamental, on-animal and mosquito misting applications.
- Safe for use in and around sensitive accounts.
- Minimum risk pesticide.
- Safe around children and pets.

CAUTION

FIRST AID

IN EYES: Flush with plenty of water. Seek medical attention if irritation persists.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove exposed person(s) to fresh air.

IF SWALLOWED: Rinse mouth out with water. Do not induce vomiting. Seek medical attention if feeling sick or nauseous.

PRECAUTIONARY STATEMENTS

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

User 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour spill or store near heat or open flame. Store only in original container.

DIRECTIONS FOR USE

FOR BEST RESULTS AND TO IMPROVE COMPATIBILITY – MIX WITH AN ADJUVANT SUCH AS EcoADJUVANT. OTHER ADJUVANTS THAT CAN BE USED, (BUT NOT LIMITED TO) INCLUDE:

Thoroughbred, NO Foam A, Latron AG-44M, Latron AG-98, Prospeader Activator, Activator 90, Latron CS-7, EZ Mix, Penetrator +(plus), Freeway, Hyperactive, Induce, X-77, or Widespread

MIX ADJUVANT WITH EcoEXEMPT® IC² FIRST. Follow use directions on the individual labels. Use amount of adjuvant proportionate to the amount of EcoEXEMPT® IC² used (i.e. if using EcoEXEMPT® IC² at the higher rates, use the adjuvant at proportionately higher rates).

When using this product as a space spray in food processing plants, foods should be removed or covered 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.

SHAKE WELL BEFORE USING. Maintain agitation in all spray systems EcoEXEMPT® IC² 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 EcoEXEMPT® IC² 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.

EcoEXEMPT® IC² 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 Overnight¹. 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.

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 Floor 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, Termites, 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 .5 to 6 fluid ounces of EcoEXEMPT® IC² 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 EcoEXEMPT® IC² at a rate of 1 to 4 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 EcoEXEMPT® IC² 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), EcoEXEMPT® IC² 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 ounces of EcoEXEMPT® IC² insecticide 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 1000 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. For additional information call 1-888-326-7233.

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 ounces of EcoEXEMPT® IC² 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 1000 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, but not limited to, as 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 ounces of EcoEXEMPT® IC² 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 1000 square feet.)

Maintain agitation. Repeat as necessary.

MOUND DRENCH METHOD - FOR CONTROL OF FIRE ANTS AND OTHER MOUNDING ANTS: Dilute 2 to 4 ounces of EcoEXEMPT® IC² 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 EcoEXEMPT® IC² per gallon of water. Treat harborage areas such as shrubbery and vegetation where mosquitoes/flies may rest. Shrubby 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. ¹In automatic spraying systems like, but not limited to, misting systems used for mosquito and other biting insect control, solutions of EcoEXEMPT® IC² 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 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 EcoEXEMPT® IC² just prior to use at .5 to 3 ounces per gallon of water (Use lower dilution rates for preventative applications).

USE ON TURF AND GRASS: Used 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 ounces of EcoEXEMPT® IC² per gallon of water and apply at the rate of 2 to 4 gallons per 1000 square feet or until area is thoroughly wet. For power sprayers mix approximately 2 to 4 ounces per gallon of water and apply until area is sufficiently covered (usually min. 4 gallons per 1000 square feet with power sprayer). Exceeding rates may create potential phytotoxicity of turf surfaces.

USE ON TREES AND SHRUBS: To control Mites, Scale Insects, Mealybugs, Aphids, Lace Bugs, Whiteflies, Tent Caterpillars,

Bagworms and Beetles, dilute up to 1 to 2 ounces of EcoEXEMPT® IC² 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

FOR TERMITE TREATMENT - TO CONTROL TERMITES, PARTICULARLY SWARMERS: Dilute 1 to 3 ounces of EcoEXEMPT® IC² per gallon of water and apply as a surface spray at the rate of 1 gallon per 750 square feet. Apply as a crack and crevice treatment to the locations from which the termites are emerging.

KEEP ALL PESTICIDES OUT OF THE REACH OF CHILDREN

STORAGE AND DISPOSAL

FOR CONTAINERS LARGER THAN ONE GALLON: Do not contaminate water, food, or feed by storage or disposal.

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.

Question or Comments: Call 1-888-326-7233 weekdays, 9 a.m. to 5 p.m. CST.

Chemical Safety Information: Call 1-800-535-5053 anytime (InfoTrac Chemical Response System)

Limitation of Liability: EcoSMART Technologies, Inc. makes no warranties of merchantability, or of fitness for a particular purpose, nor any other expressed or implied warranty except as stated above.

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LIVESTOCK USE DIRECTIONS:

Use	Insect	Dilution • EcoEXEMPT® IC ²	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 ounces per gal 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	1 to 3 ounces per gal of mineral oil USP	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 ounces per gal 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 min. prior to milking or after milking has been complete.
	Ticks and Lice	1 to 3 ounces per gal of mineral oil USP	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 ounces per gal 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 ounces per gal 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.
Pets	Fleas, Ticks	On animal applications: Use 1 to 3 ounces per gallon of mineral oil USP or water* Area Treatments: Use 1 to 8 ounces per gallon of water*	Thoroughly wet animal by dipping or spraying. For best results the kennel and/or animal quarters and bedding should be treated.

PREMISE USE DIRECTIONS FOR LIVESTOCK FACILITIES:

Use	Insect	Dilution • EcoEXEMPT® IC ² in Water* or Mineral Oil	Remarks
Residual Surface Spray	Flies, Gnats, Litter Beetles, Darkling Beetles (lesser meal worms) Mosquitoes, Spiders, Wasps	3 to 6 ounces per gal of water* or mineral oil USP	Apply 1 gallon of dilution per 500 - 1000 sq. ft. Thoroughly cover walls, ceilings or other areas where pests rest or congregate in dairy barns, horse barns, poultry houses, swine buildings, livestock sheds, and other farm buildings.
Larvicide	Maggots (fly larvae)	4 to 8 ounces per gal of water* or 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).

* When applying in water the use of an approved adjuvant, such as EcoADJUVANT, is required.

EcoEXEMPT IC-2

Residual Insecticide Concentrate



Container Size: 1 gal

Active Ingredient: 10.0% Rosemary Oil, 2% Peppermint Oil

Product Information:

- Quick knockdown & kill
- Residual protection
- Extremely versatile: for conventional, misting, and fogging equipment
- Non-staining
- No aquatic toxicity
- Interior & exterior use
- Soft botanical fragrance
- Exempt from EPA registration
- National Organic Program (NOP) compliant
- May be used as a crack/crevice or spot treatment in non-food handling areas of food establishments. In food handling areas may be applied as a spray only

Product Replaces:

- Cynoff EC
- Demand CS
- MicroCare CS
- Suspend SC
- Talstar F
- Tempo 2 EC
- Termidor

Product Application Tips:

A proper emulsion is critical to product performance. Below is the proper mixing directions:

- Shake container well before using
- Fill spray tank with ½ gallon of water and measured amount of EcoADJUVANT or other suitable tank mix per label instructions.
- Mix thoroughly
- Add EcoEXEMPT IC-2 and mix thoroughly
- Finish filling tank with water and mix thoroughly again
- Because EcoEXEMPT IC-2 is an oil based concentrate, an adjuvant/emulsifier **MUST** be used when mixing with water
- EcoADJUVANT is the recommended adjuvant/emulsifier. Other approved adjuvants/emulsifiers are listed on the label
- When EcoEXEMPT IC-2 is mixed with mineral oil, an adjuvant/emulsifier is **NOT** required
- Constant agitation during use is recommended in all spray equipment
- Re-agitate tank mix (that includes adjuvant) if left standing more than 30 minutes
- As a normal insecticide application precaution, test an inconspicuous area when treating vinyl or painted surfaces
- To reduce fragrance for indoor applications, add 1 ounce of a d-limonene product (i.e. OrangeGard, Orange TKO, etc) to one finished gallon of solution
- An IGR product may be mixed in the finished solution to enhance performance
- Clean/rinse equipment daily

EcoEXEMPT Products: Insecticide Concentrates

Product Application Tips:

- Recommended Dilution rates:
 - General Pest Control Treatments: Mix 3 oz. EcoEXEMPT IC-2 and 1 oz Adjuvant per gallon
 - Bed Bug and Tick Treatments: Mix 6 oz. EcoEXEMPT IC-2 and 2 oz. Adjuvant per gallon
 - Backpack Fogging: Mix 6 oz. EcoEXEMPT IC-2 and 2 oz. Adjuvant per gallon
 - Stinging Insect Treatments: Mix 8 oz. EcoEXEMPT IC-2 and 3 oz. Adjuvant per gallon
 - Power Spraying for Mosquitos: Mix 1.5 oz. EcoEXEMPT IC-2 and .5 oz. Adjuvant per gallon
 - Power Spraying Dams for Spiders: Mix 8 oz. EcoEXEMPT IC-2 and 3 oz. Adjuvant per gallon

- EcoEXEMPT IC-2 Sample Dilution Calculation

EcoExempt IC-2 contains 10% rosemary oil and 2% peppermint oil. If you put 4 oz of IC-2 in one gallon of water, what is the rosemary concentration and the peppermint in the final mixture?

There are 128 oz in a gallon. Thus 4 oz in 1 gallon represents a 4 in 128 (or a 1 in 32) dilution factor or $4/128 \times 100 = 3.125\%$ formula. Therefore starting from a conc. of 10% (rosemary) we now have 10% of 4/128 (3.125) = 0.3125% rosemary in the finished mix. Plus a conc. of 2% (peppermint) we now have 2% of 4/128 (3.125) = 0.06% peppermint in the finished mix.

Ounce(s) of formulation per gallon of water ^A	% concentration of AI in final solution rosemary (10%)	peppermint (2%)
1	0.08	0.02
2	0.16	0.03
3	0.23	0.05
4	0.31	0.06
5	0.39	0.08
6	0.47	0.90
7	0.55	0.11
8	0.63	0.13
9	0.70	0.14
10	0.78	0.16

^A For a formulation containing 12% AI

Troubleshooting Guide

Problem:	Possible Causes/Solutions:
Not effective	<ul style="list-style-type: none"> • Thoroughly shake the container before using • Thoroughly mix dilution as outlined in the label instructions • Maintain constant agitation, or re-agitate the tank mix if left standing every hour
Lingering fragrance	<ul style="list-style-type: none"> • Explain to customer fragrance is from natural plant oils (not harmful) • Avoid applications in damp areas • Overspray the area with Febreze[®]* (odor eliminator) * registered trademark of Proctor & Gamble
Possible staining	<ul style="list-style-type: none"> • It is recommended to test a small inconspicuous area first if in doubt • Thoroughly mix dilution as outlined in the label instructions • Maintain constant agitation, or re-agitate the tank mix if left standing every hour • If stain detected, wash area with warm soapy water • Porous surfaces may require time (often several days) to dissipate
Clogged sprayer	<ul style="list-style-type: none"> • Spray equipment should be thoroughly cleaned and rinsed daily • Thoroughly mix dilution as outlined in the application tips section above • Maintain constant agitation, or re-agitate the tank mix if left standing every hour
Spray equipment seals fail/leak/swell	<ul style="list-style-type: none"> • If necessary, replace seals with Teflon seals • Contact company for information on equipment component compatibility