

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 $\frac{1}{2}$ 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) <p>* registered trademark of Proctor & Gamble</p>
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