

# EcoVia™ MT

## mosquito & tick control



**Kills and Repels Mosquitoes & Ticks**  
**Concentrated – 1 oz Makes Up To 3 Gals**  
**Pleasant Scent • Non-Irritating**  
**For Use in Compressed Air Sprayers,**  
**Mist-Blowers and Foggers**

Keep Out of Reach of Children

### CAUTION

Safe and Effective When Used and Stored as Directed  
National Organic Program Compliant

#### Active Ingredients:

Soybean oil.....	26.3%
Clove oil.....	13.2%
Citronella oil.....	10.5%
2-Phenylethyl propionate.....	10.5%
Lemongrass oil.....	7.9%

#### Inert Ingredients:

Ethyl lactate, Isopropyl myristate, Polyglyceryl oleate	
<b>Total.....</b>	<b>100.0%</b>

FIFRA 25(b) exempt product

Net Contents: 16 fl oz or 64 fl oz

Manufactured by:  **Rockwell Labs Ltd** North Kansas City, MO 64116  
creating the future of pest control [www.rockwelllabs.com](http://www.rockwelllabs.com)

#### DIRECTIONS FOR USE

READ ENTIRE LABEL — USE IN ACCORDANCE WITH LABEL INSTRUCTIONS

#### PRECAUTIONS AND NOTICES:

- May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Protective eyewear and nitrile or other chemical resistant gloves are recommended, particularly when handling concentrate. Applicator 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.
  - Do not use, pour, spill or store concentrate near heat or open flame.
  - Do not use product in conduits, junction boxes, or other electrical equipment because of possible shock hazard.
  - Product contains botanical oils that are inherently fragrant. When used in confined spaces, prolonged exposure to the scent may be objectionable to some individuals. Clean up residual product to diminish scent.
  - Product diluted per the label has not stained, discolored or caused damage to painted or varnished surfaces, fabrics, or other surfaces in testing. However, test treat a small non-visible area and allow to dry, to determine whether staining or discoloration will occur. If overspray lands on any sensitive surfaces (particularly plastics), simply rinse with water and wipe off with a clean cloth. Liquid soap may be used for clean up if needed. Concentrate will likely damage susceptible materials such as thin plastics.
  - Product has not shown phytotoxicity in testing when used as directed, but all plant types have not been tested, so if concerned about particular plant sensitivity, test treat a small area first and wait 48 hours to determine if burning occurs.
  - Do not apply product directly to surface water.
- Rockwell Labs Ltd represents that this product is exempt from registration pursuant to FIFRA 25(b). This product is not EPA registered.

**CONTROLS:** Mosquitoes, ticks and flies

**MIXING INSTRUCTIONS AND APPLICATION EQUIPMENT:** Shake well before using. Dilute product with water for application with a handed pressurized compressed air sprayer, backpack sprayer or mist blower, or power sprayer. For fogging applications, see instructions below. Clean spray equipment before use. Add approximately half of the required amount of water to the tank and then add the appropriate amount of product, agitate and add the remaining water. Product requires only light agitation in spray systems after concentrate has been diluted. When diluting with water, prepare only the amount needed for use within 12 hours and maintain light agitation during use. Do not store spray solution overnight. After applications, rinse the tank with clean water, pressurize the tank and flush the valve and hose. Product may also be applied as a space spray (water or oil dilutions) using ULV/cold fogging equipment and certain thermal fogging equipment (hand-held or truck-mounted). Contact us for supplemental labeling for appropriate fogging applications based on equipment type.

**MOSQUITO CONTROL:** To control adult mosquitoes, dilute product at the rate of 0.33-0.66 fl oz per gallon (or in sufficient water cover 1000 sq ft) and apply until area is thoroughly wet. May also be applied as a space spray, including over water. Contact us for supplemental labeling for fogging application and equipment. Treat areas such as shrubbery, other heavy or ground cover vegetation, and other areas that don't see sunlight, such as under porches/decks where mosquitoes may rest, harbor or breed. Treat any low areas where water has a tendency to pool. Vegetation around stagnant pools, marshy areas, ponds, shorelines and other areas that collect standing water may be treated. Apply deep into heavy vegetation, versus just over the top, and thoroughly treat the underside of leaves, where mosquitoes are most likely to harbor. May also be used to treat abandoned buildings, basements, sewers, storm drains, underground drainage pipes and other areas where adult mosquitoes find harborage. Apply every 30 days or as needed.

**TICK CONTROL:** Dilute product at the rate of 0.33 to 0.66 fl oz per gallon (or in sufficient water cover 1000 sq ft) for deer ticks and 0.66 to 1.0 fl oz per gallon (or in sufficient water cover 1000 sq ft) for Lone Star and larger ticks. Apply until area is thoroughly wet. Apply to grassy areas and under plants, bushes, shrubs trees and other shaded, damp areas. If there is a pet dog, also apply along the outer edges of lawns, under porches, and other areas where the dog travels or rests. Apply every 30 days or as needed.

**FLY CONTROL:** Dilute product at the rate of 0.33-1.0 fl oz per gallon (or in sufficient water cover 1000 sq ft) and apply until area is thoroughly wet. Apply to areas where flies congregate, rest or breed. May also be applied as a space spray, including over water. Contact us for supplemental labeling for fogging application and equipment.

<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.	

**STORAGE & DISPOSAL**

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

**SPILL PROCEDURES:** In case of significant spill or leakage, soak up with an absorbent material such as purpose made socks or pads, or use sand, sawdust, corncob grit, soil, fuller's earth, etc. Dispose of with trash.

**STORAGE:** Store upright in original container in an area inaccessible to children and pets. Avoid exposure to extreme temperatures.

**CONTAINER DISPOSAL:** Do not reuse container. Dispose of in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public private partnership.

**Conditions of Warranty and Limitations of Liability**

**IMPORTANT: READ BEFORE USE** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:**The directions for use of this product are believed to be adequate and must be followed carefully.

However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Manufacturer. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:**To the extent consistent with applicable law, Manufacturer makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Manufacturer is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Manufacturer disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:**To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Manufacturer's election, the replacement of product.

**Manufactured by:** Rockwell Labs Ltd, 1257 Bedford Ave, North Kansas City, MO 64116 [www.rockwelllabs.com](http://www.rockwelllabs.com)

EcoVia™ MT Mosquito & Tick Killer

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## 1. PRODUCT IDENTIFICATION

### 1.1. Product Identifiers

Product name : EcoVia™ MT Mosquito & Tick Killer

### 1.2. Other Means of Identification

Product synonyms : none

### 1.3. Recommended Uses/Restrictions to Use

Uses : FIFRA 25(b) exempt “minimum risk” pesticide product for the control of various pest species per label

Restrictions : See product label for details

### 1.4. Supplier Details

Company : Rockwell Labs Ltd  
1257 Bedford Avenue  
North Kansas City, MO 64116-4308  
USA

Telephone : 1 816-283-3167

### 1.5. Emergency Contact

Outside normal business hours

Emergency Phone # : 1 800-424-9300 (USA & Canada)  
1 703-527-3887 (Outside USA & Canada)

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of Substance or Mixture

Flammable Liquid: Category 4

Skin Irritant: Category 2

Serious Eye Damage/Irritation: Category 1

Skin Sensitization: Category 1

Aspiration Hazard: Category 2

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

Pictogram(s)



Signal word : Danger

Hazard statement(s)

H227 : Combustible Liquid

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H305	May be harmful if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fume/gas/mist/vapours/spray.
P264	Wash exposed skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/or seek medical advice.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor or seek emergency medical treatment.
P321	Specific treatment (see supplemental first aid instructions on this label).
P331	Do not induce vomiting.
P332 + P313	If skin irritation occurs: get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403	Store in a well-ventilated place.
P405	Store locked up.
P501	Dispose of contents in accordance with local/state/federal regulations.

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

none

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Hazardous component(s) or components of note:

## EcoVia™ MT Mosquito &amp; Tick Killer

Chemical Identity	Contains (% w/w)	CAS-No.	Hazard Classification
Clove Oil	13.2	8000-34-8	Skin irritant (Cat. 2)
			Serious eye damage (Cat. 1) Acute Dermal Tox. (Cat. 5)
Citronella Oil	10.5	8000-29-1	Flammable Liquid (Cat. 4)
			Skin Sensitization (Cat. 1)
Lemongrass Oil	7.9	8007-02-1	Flammable Liquid (Cat. 4)

#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

###### General advice

Consult a physician or poison control center. Provide this safety data sheet to medical personnel. Move out of hazardous areas.

###### If inhaled

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

###### In case of skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

###### In case of eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

###### If swallowed

Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

##### 4.2. Most important symptoms and effects, both acute and delayed

No data available

##### 4.3. Indication of any immediate medical attention and special treatment needed, if necessary

None known

#### 5. FIRE FIGHTING MEASURES

##### 5.1. Extinguishing media

Suitable extinguishing media: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Oxides of carbon, nitrogen, and sulfur.

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

Wear self contained breathing apparatus for firefighting.

Additional information: none.

##### 5.4. Further information

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Avoid release of material to storm drains and open bodies of water.

## 6. ACCIDENTAL RELEASE MEASURES

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

Avoid contact with spilled product and contaminated surfaces. Evacuate personnel to safe areas during emergencies. For safe handling instructions see section 7. For proper PPE see section 8.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Product should not be applied directly to surface water.

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

Wipe up any spilled material and dispose of according to instructions in section 13. Wash contaminated surfaces with soap and water.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene practices. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if product gets inside. Wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of the gloves before removing. For additional precautions see section 2.2

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

Store upright in original container. Do not store where children or animals may gain access. Avoid exposure to extreme temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Components with workplace parameters

Component	CAS-No.	Value	Control parameters	Basis
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### 8.2. Appropriate engineering controls

Ensure relevant engineering controls are employed to prevent exceeding threshold values for the listed control parameters in section 8.1.

### 8.3. Individual protection measures, such as personal protective equipment

In normal use and handling conditions refer to the product label for required PPE. In all other cases the following recommendations would apply.

#### Eye/face protection

Safety glasses or other similar eye protection conforming to ANSI Z87.1 standards recommended when handling product.

#### Skin protection

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Chemical resistant nitrile rubber or similarly compatible gloves recommended when handling product. Dispose of contaminated gloves after use in accordance with applicable local and state regulations. Wash exposed skin with soap and water immediately. Wash all contaminated clothing prior to reuse.

**Respiratory protection**

Not required under normal use conditions. Chemical cartridge respirator with organic vapor cartridge recommended when risk assessment shows need for air-purifying respirators.

**Thermal hazards**

None known

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance;	Translucent yellow/greenish liquid
Odor;	Botanical
Odor threshold;	No data available
pH;	No data available
Melting point/freezing point;	< - 20 °C
Initial boiling point and boiling range;	No data available
Flash point;	141 °F (61 °C)
Evaporation rate;	No data available
Flammability (solid, gas);	No data available
Upper/lower flammability or explosive limits;	No data available
Vapor pressure;	No data available
Vapor density;	No data available
Relative density;	0.96 g/ml
Solubility;	Soluble in water at dilutions rates listed. Soluble in nonaqueous materials
Partition coefficient: n-octanol/water;	No data available
Auto-ignition temperature;	No data available
Decomposition temperature;	No data available

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Viscosity;

Similar to that of water

**9.2. Additional Information**

No data available

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**10. STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**10.5. Incompatible materials**

Strong oxidizing agents. Strong reducing agents.

**Hazardous decomposition products**

Other decomposition products – no data available

In the event of a fire: see section 5

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**11. TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute Toxicity Estimate (ATE)**

LD50 Oral – Rat – >6369 mg/kg

LD50 Dermal – Rat – > 3384 mg/kg

LD50 Inhalation – no data available

**Skin corrosion/irritation**

Irritating to skin.

**Serious eye damage/irritation**

Damaging to eyes.

**Respiratory or skin sensitization**

Potential skin sensitizer.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.



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OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

Potential aspiration hazard.

**11.2. Other information**

No data available

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**12. ECOLOGICAL INFORMATION**

**12.1. Toxicity Estimate**

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS**

**13.1. Disposal Methods.**

The best disposal method is to use the entire quantity per label directions. If it is necessary to dispose of unused material then follow the label instructions and relevant local, state and federal waste disposal guidelines.

Product Disposal:

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

Packaging Disposal:

If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

See section 8 for proper PPE and precautionary handling measures.

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**14. TRANSPORT INFORMATION**

**DOT**

EcoVia™ MT Mosquito & Tick Killer

NA number: 1993      Class: 3      Packing Group: III  
Proper shipping name: Combustible liquid, n.o.s. (Lemongrass Oil, Citronella Oil)  
Reportable Quantity (RQ): no

**IMDG**

UN number: 1993      Class: 3      Packing Group: III  
Proper shipping name: Flammable liquids, n.o.s., (Lemongrass Oil, Citronella Oil)

**IATA**

UN number: 1993      Class: 3      Packing Group: III  
Proper shipping name: Flammable liquids, n.o.s., (Lemongrass Oil, Citronella Oil)

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## 15. REGULATORY INFORMATION

This chemical is a FIFRA 25(b) Exempt pesticide product that is not registered by the Environmental Protection Agency but is subject to certain labeling requirements under various state pesticide laws. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313: none

**SARA 311/312 Hazards**

Immediate (Acute) Health Hazard, Fire Hazard

**California Proposition 65 Components**

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or reproductive harm.

**TSCA**

All components of this product are listed, exempted, or excluded from listing on the U.S. Toxic Substances Control Act chemical substance inventory.

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## 16. OTHER INFORMATION

**Acronyms and abbreviations used**

LD50	Lethal Dose, 50%
OECD	Organization for Economic Cooperation and Development
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Industrial Hygienists
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
DOT	Department of Transportation

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IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act
CAS-No.	Chemical Abstract Services - Number
PPE	Personal Protective Equipment
HMIS	Hazardous Materials Identification System
NFPA	National Fire Protection Association
PPM	Parts Per Million
ANSI	American National Standards Institute
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
LC50	Lethal Concentration, 50%
EC50	Effective concentration, half maximal
ST	Short Term

**Hazard Rating System Crossover**

HMIS Rating

Health Hazard:	2
Flammability:	1
Reactivity:	0

NFPA Rating

Health Hazard:	2
Flammability:	1
Reactivity:	0

**Preparation information**

Prepared by:	Rockwell Labs Ltd
Version:	1.0
Revision Date:	March 23, 2018
Reason for revision:	Updated Transportation Information section.

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