1. PRODUCT IDENTIFICATION

1.1. Product Identifiers

Product name: EcoVia™ WH Stinging Insect 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
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)

2. HAZARDS IDENTIFICATION

2.1. Classification of Substance or Mixture

Aerosol: Category 3
Gases Under Pressure: Compressed Gas
Skin Irritation: Category 3
Serious Eye Damage/Irritation: Category 2A
Skin Sensitization: Category 1

2.2. GHS label elements, including precautionary statements

Pictogram(s)

Signal word Warning

Hazard statement(s)

H229 Pressurized container: may burst if heated
H280   Contains gas under pressure; may explode if heated  
H316   Causes mild skin irritation  
H317   May cause an allergic skin reaction  
H319   Causes serious eye irritation  

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 ignitions sources. No smoking.  
P251   Do not pierce or burn, even after use.  
P261   Avoid breathing mist & spray.  
P264   Wash hands thoroughly after handling.  
P272   Contaminated work clothing should not be allowed out of the workplace.  
P280   Wear eye protection.  
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.  
P321   Specific treatment see first aid instructions on this label.  
P332 + P313   If skin irritation occurs: Get medical advice/attention.  
P333 + P313   If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313   If eye irritation persists: Get medical advice/attention.  
P362 + P364   Take off contaminated clothing and wash it before reuse.  
P410 + P403 + P412   Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501   Dispose of contents/container in accordance with local/state/federal/international regulations.  

2.3. Other hazards which do not result in classification  
none  

3. COMPOSITION/INFORMATION ON INGREDIENTS  
3.1. Substances  
No data available  
3.2. Mixtures  
Hazardous component(s) or components of note:  

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Contains (% w/w)</th>
<th>CAS-No.</th>
<th>Hazard Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clove Oil</td>
<td>1.0</td>
<td>8000-34-8</td>
<td>Skin Sensitizer (Cat. 1)</td>
</tr>
</tbody>
</table>
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 if deemed necessary.

Additional information: none.
5.4. Further information
No data available

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.

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. For additional precautions see section 2.2

7.2. Conditions for safe storage, including any incompatibilities
Store upright in original container. Store in cool areas out of direct sunlight. Do not store where children or animals may gain access.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1. Control parameters
Components with workplace parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>TWA</td>
<td>5000 ppm</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST</td>
<td>30000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5000 ppm</td>
<td>OSHA PEL</td>
</tr>
</tbody>
</table>

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**
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.

**Thermal hazards**
Pressurized container: may burst if heated.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Peppermint</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>5.62 (24 °C)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>79 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.01 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>&gt; 1000 g/L</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Similar to that of water</td>
</tr>
</tbody>
</table>

**9.2. Additional Information**
No data available

### 10. STABILITY AND REACTIVITY
10.1. Reactivity
No dangerous reactions known.

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. Keep out of direct sunlight.

Incompatible materials
Strong oxidizing agents. Strong reducing agents.

10.5. Hazardous decomposition products
Other decomposition products – no data available
In the event of a fire: see Section 5

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute Toxicity Estimate (ATE)
LD50 Oral – Rat – 7659 mg/kg
LD50 Dermal – Rat – 5922 mg/kg
LD50 Inhalation – Rat – no data available

Skin corrosion/irritation
No data available

Serious eye damage/irritation
No data available

Respiratory or skin sensitization
No data available

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.

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
EcoVia™ WH Stinging Insect Killer

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

11.2. Other information
No data available

12. ECOLOGICAL INFORMATION

12.1. Toxicity
Toxicity to fish
LC50 – Pimephales promelas (fathead minnow) – 453.86 mg/l (96 hr.)

Toxicity to daphnia and other aquatic invertebrates
EC50 – Daphnia magna (Water flea) – 127 mg/l (48 hr.)

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

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT
UN number: 1950 Class: 2.2 Packing Group: N/A
Proper shipping name: Aerosols, non-flammable (each not exceeding 1 L capacity), LTD QTY

IMDG
UN number: 1950 Class: 2.2 Packing Group: N/A
EcoVia™ WH Stinging Insect Killer

Proper shipping name: Aerosols, non-flammable (each not exceeding 1 L capacity), LTD QTY
IATA
UN number: 1950  Class: 2.2  Packing Group: N/A
Proper shipping name: Aerosols, non-flammable (each not exceeding 1 L capacity), LTD QTY

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

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

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute: Sudden Release of Pressure

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.

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
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
EcoVia™ WH Stinging Insect Killer

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
ST: Short Term

Hazard Rating System Crossover

<table>
<thead>
<tr>
<th>HMIS Rating</th>
<th>NFPA Rating</th>
<th>NFPA 30 Aerosol Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard:</td>
<td>1</td>
<td>Health Hazard:</td>
</tr>
<tr>
<td>Flammability:</td>
<td>0</td>
<td>Flammability:</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>0</td>
<td>Reactivity:</td>
</tr>
<tr>
<td>Level 1 Aerosol</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Preparation information

Prepared by: Rockwell Labs Ltd
Version: 1.1
Revision Date: July 12, 2018
Reason for revision: Added NFPA 30 Aerosol Classification

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