SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Essentria IC3 Insect Concentrate
Synonyms : 674610, 100208730, 100208930, 100532769

1.2. Recommended use and restrictions on use

Recommended use : Insecticide.
Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame. Do NOT take internally.

1.3. Supplier

Envincio, LLC
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173 - United States

1.4. Emergency telephone number

Emergency number : 1-800-248-7763
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Flammable liquids Category 4
Acute toxicity (oral) Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Skin sensitization, Category 1
Reproductive toxicity Category 1B
Specific target organ toxicity (single exposure) Category 3
Aspiration hazard Category 1

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

2.2. GHS Label elements, including precautionary statements

GHS-US labeling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :
Combustible liquid
Harmful if swallowed
May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye damage
May cause drowsiness or dizziness
May damage fertility or the unborn child

Precautionary statements (GHS-US) :
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
Avoid breathing fume, gas, mist, spray, vapors.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear Gloves.
If swallowed: Immediately call un centro de toxicología o a un médico
Essentria IC3 Insect Concentrate  
Safety Data Sheet

If swallowed: Call a physician immediately.  
If on skin: Wash with plenty of water  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If exposed or concerned: Get medical advice/attention. Immediately call a poison center or doctor.  
Rinse mouth.  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.  
Dispose of contents/container to in accordance with local/regional/national/international regulations

2.3. Other hazards which do not result in classification


2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosemary oil</td>
<td>(CAS-No.) 8000-25-7</td>
<td>10</td>
</tr>
<tr>
<td>Geraniol</td>
<td>(CAS-No.) 106-24-1</td>
<td>5</td>
</tr>
<tr>
<td>Peppermint Oil</td>
<td>(CAS-No.) 8030-01-1</td>
<td>2</td>
</tr>
<tr>
<td>Wintergreen Oil</td>
<td>(CAS-No.) 68917-75-9</td>
<td>37</td>
</tr>
<tr>
<td>Mineral oil, white</td>
<td>(CAS-No.) 8042-47-5</td>
<td>40</td>
</tr>
<tr>
<td>Vanillin</td>
<td>(CAS-No.) 121-33-5</td>
<td>3</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>(CAS-No.) N/A</td>
<td>Balance</td>
</tr>
</tbody>
</table>

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.  
First-aid measures after inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
First-aid measures after skin contact: IF ON SKIN: Wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. If eye irritation persists: Get medical advice and attention.  
First-aid measures after ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects: May cause drowsiness or dizziness.  
Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact: Serious damage to eyes.  
Symptoms/effects after ingestion: Aspiration Hazard - may be fatal if swallowed and enters airways. Harmful if swallowed.  
Chronic symptoms: May damage fertility or the unborn child.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.
SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media: Do not use water. May spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard: Combustible liquid. Containers may explode when heated. Liquid will float and may re-ignite on surface of water.
Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Do not allow fire fighting water to escape into waterways or sewers. Eliminate all ignition sources if safe to do so. Do not use direct stream of water. A direct stream of water may spread fire. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
Emergency procedures: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Wear appropriate personal protective equipment, avoid direct contact.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Compound</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil, white (8042-47-5)</td>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Vanillin (121-33-5)</td>
<td></td>
<td></td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Appropriate engineering controls

Appropriate engineering controls: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear chemically resistant protective gloves.

Eye protection:
Chemical goggles or face shield

Skin and body protection:
It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

Respiratory protection:
In case of insufficient ventilation, use NIOSH approved respiratory protection.

SECTION 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>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, light brown liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Faint, mint-like</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>145 °F (62.8 °C)</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.985 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Log Pow</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, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Excessive heat > 110° F. Keep away from fire. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Do not freeze.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May decompose upon heating to produce toxic vapors/gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 oral rat (mg/kg)</th>
<th>LD50 dermal rabbit (mg/kg)</th>
<th>LC50 inhalation rat (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE (Oral)</td>
<td>1841</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosemary oil (8000-25-7)</td>
<td>&gt; 5000</td>
<td>&gt; 10000</td>
<td></td>
</tr>
<tr>
<td>Geraniol (106-24-1)</td>
<td>3600</td>
<td>&gt; 5000</td>
<td></td>
</tr>
<tr>
<td>Wintergreen Oil (68917-75-9)</td>
<td>887</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral oil, white (8042-47-5)</td>
<td>&gt; 5000</td>
<td>&gt; 2000</td>
<td>&gt; 5 mg/l/4h</td>
</tr>
<tr>
<td>Vanillin (121-33-5)</td>
<td>1580</td>
<td>&gt; 5010</td>
<td></td>
</tr>
</tbody>
</table>

GHS-US Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Oral: Harmful if swallowed.</td>
</tr>
<tr>
<td>Skin corrosion/irrititation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cells mutagen</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>May damage fertility or the unborn child.</td>
</tr>
<tr>
<td>Specific target organ toxicant (single exposure)</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Specific target organ toxicant (repeated exposure)</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>
Potential health effects
Inhalation
Acute: May cause drowsiness and dizziness.

Skin
Acute: May cause an allergic reaction in individuals with a sensitivity to Wintergreen oil or Geraniol, Causes skin irritation.

Eye
Acute: May cause serious eye damage.

Ingestion
Acute: 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.

Reproductive Effects: Wintergreen causes birth defects and effects on reproduction.

SECTION 12: Ecological information
12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations
13.1. Disposal methods
Product/Packaging disposal recommendations: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th></th>
<th>UN number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA</td>
<td>UN3334</td>
<td>Aviation regulated liquid, n.o.s. (rosemary oil)</td>
<td>9</td>
<td>III</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information
15.1: US Federal regulations

Rosemary oil (8000-25-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Geraniol (106-24-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Essentria IC3 Insect Concentrate
Safety Data Sheet

<table>
<thead>
<tr>
<th>Substance</th>
<th>Inventory Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wintergreen Oil (68917-75-9)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Mineral oil, white (8042-47-5)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Vanillin (121-33-5)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

15.2. US State regulations
No additional information available

SECTION 16: Other information

Date of issue : 26 January 2015
Revision date : 18 January 2018
Supersedes : 08 December 2017

Indication of changes:
Revised Sec. 1. Revised Sec. 3.

SDS US (GHS HazCom 2012) - CGP

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