Section 1: Product and Company Identification

Growers Trust
6671 W. Indiantown Rd
STE: 50-309
Jupiter, FL 33458

Product Name: Spider Mite Killer
Generic Name: Essential oil mixture
Synonyms: NA

Product Description: Plant treatment
CAS #: NA – mixture

Section 2: Hazard Identification

Emergency Overview: Colorless fragrant liquid. May be irritating to skin, eyes and respiratory system.

OSHA Regulatory Status: This material is not considered hazardous under the OSHA standard.

WHMIS Classification: Not controlled

Potential Health Effects:
Inhalation: May irritate the respiratory tract.
Ingestion: May irritate the digestive tract.
Skin Contact: May cause irritation.
Eye Contact: Liquid and vapor may cause eye irritation.
Chronic Exposure: No information found.
Aggravation of Pre-existing Conditions: No information found.
Target Organs: Skin, eyes, respiratory system.

Section 3: Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Common Names, Synonyms</th>
<th>CAS #</th>
<th>EINECS</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil of geranium</td>
<td></td>
<td>8000-46-2</td>
<td>90082-46-5</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Oil of citronella</td>
<td></td>
<td>8000-29-1</td>
<td>289-753--6</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Oil of rosemary</td>
<td></td>
<td>8000-25-7</td>
<td>283-291-9</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

Non-hazardous components may or may not be listed. Carcinogens are listed when present at 0.1% or more; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or more. This is not intended to be complete compositional disclosure. See Section 15 for applicable states right to know and other regulatory information.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.
Skin: Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.
Note to Physician: Not applicable

Section 5: Fire Fighting Measures

Fire: Flash point: Not flammable
Explosion: Not considered an explosion hazard.
Extinguishing Media: Dry chemical, alcohol foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool.
Special Precautions: None.
NFPA Rating: Health - 0  Flammability - 0  Reactivity - 0  Other - NA

Section 6: Accidental Release Measures
Ventilate area of leak or spill. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container.

Section 7: Handling and Storage
Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage and moisture. Isolate from any source of heat or ignition. Separate from incompatibles, combustibles, organic or other readily oxidizable materials. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Section 8: Exposure Control / Personal Protection
Exposure Guidelines:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil of geranium</td>
<td>8000-46-2</td>
<td>None established</td>
<td>None established</td>
<td>None established</td>
</tr>
<tr>
<td>Oil of citronella</td>
<td>8000-29-1</td>
<td>None established</td>
<td>None established</td>
<td>None established</td>
</tr>
<tr>
<td>Oil of rosemary</td>
<td>8000-25-7</td>
<td>None established</td>
<td>None established</td>
<td>None established</td>
</tr>
</tbody>
</table>

Personal Protective Equipment:

- **Skin Contact**: Wear impervious gloves, as appropriate, to prevent unintentional skin contact.
- **Eye Contact**: Use chemical safety goggles where misting or splashing of solution is possible.
- **Inhalation**: General ventilation is recommended.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus, rosemary</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Specific Gravity (g/mL)</td>
<td>1.000</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Mostly</td>
</tr>
<tr>
<td>% Volatiles</td>
<td>100%</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

- **Chemical Stability**: This product is stable in closed containers at room temperature.
- **Hazardous Decomposition Products**: Carbon oxides (CO, CO₂).
- **Incompatibilities**: Strong oxidizers, sparks, flame, heat
- **Conditions to Avoid**: Incompatible materials, combustible materials.

Section 11: Toxicological Information

- **Acute Dose Effects**: Eye: No information found.
  Oral: Ethyl alcohol: Oil of rosemary: Rat LD50: 5000 mg/kg
  Inhalation: No information found.
  Skin: No information found.

Section 12: Ecological Information

- **Environmental Fate**: This product is not expected to bioaccumulate.
- **Ecotoxicity**: This product is expected to be of low toxicity to higher organisms.
Section 13: Disposal Considerations

As a waste, this material in its raw form IS NOT considered a HAZARDOUS WASTE under RCRA (29 CFR 261).

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information

Proper Shipping Name: Not regulated by DOT, IATA, TDG or IMDG
DOT Hazard Class: N/A
UN Number: N/A
Packing Group: N/A
CERCLA Reportable Quantity (RQ): N/A

CERCLA Reportable Quantity (RQ): N/A
Releases exceeding the reportable quantity (RQ) must be reported to the National Response Center (800) 424-8802.
This data provided for information only. The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations to properly classify your shipment for transportation.

Section 15: Regulatory Information

TSCA Chemical Inventory: All of the components in this product are listed on the TSCA Inventory.
TSCA Sec 4 Chemical Test Rule: None of the components in this product are on this list.
TSCA Sec 8(d): None of the components in this product are on the Health and Safety Reporting List.
TSCA Sec 12(b) Notices of Export: None of the components in this product are on this list.
TSCA Significant New Use Rule (SNUR): None of the components in this product are on this list.
SARA Sec 302 (EHS) TPQ: None of the components in this product have a TPQ.
SARA Sec 302 (EHS) RQ: None of the components in this product have a RQ.
SARA Sec 311/312: Acute – NO; Chronic – NO; Fire – NO; Release of Pressure – NO; Reactivity – NO
SARA 313 List: None of the components in this product are reportable under Section 313 Title III and 40 CFR Part 372.
CERCLA Hazardous Substances and corresponding RQs: N/A
RCRA: None of the components in this product are on this list.
Clean Air Act: Hazardous Air Pollutants? NO Class 1 Ozone Depleters? NO Class 2 Ozone Depleters? NO
Chemical Weapons Convention: None of the components in this product are on this list.
Drug Enforcement Agency (DEA) CDTA: None of the components in this product are on this list.
OSHA: None of the components in this product are considered Highly Hazardous by OSHA.
State Right-to-Know Lists: None of the components in this product are on this list.
California Proposition 65 WARNING: None of the components in this product are on this list.
Canadian DSL/NDSL: All of the components in this product listed or exempt from listing.
Canadian WHMIS: Not Controlled.
Canadian Ingredient Disclosure List: None of the components of this product is listed on the Canadian Ingredient Disclosure List.

Section 16: Other Information

Abbreviations and acronyms used:
ACGIH American Conference of Governmental Industrial Hygienists
ANSI American National Standards Institute
atm atmosphere (pressure unit)
BOD biological oxygen demand
CAS Chemical Abstracts Service
CC closed cup
CDTA Chemical Drug and Trafficking Act
COC Cleveland Open Cup
COD chemical oxygen demand
coeff. coefficient
CFR Code of Federal Regulations

NA not applicable, not available
NIOSH National Institute for Occupational Safety and Health
ND not determined
NFPA National Fire Prevention Association
NTP National Toxicology Program
OC open cup
OSHA Occupational Safety and Health Administration
Part partition
PEL permissible exposure limits
ppb parts per billion
PPE personal protective equipment

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Material Safety Data Sheet

Spider Mite Killer

CPR cardio-pulmonary resuscitation
DEA Drug Enforcement Agency
DOT Department of Transportation
FDA Food and Drug Administration
IARC Internat’l Agency for Research on Cancer
IDLH immediate danger to life and health
kg kilogram
L liter
LC50 median lethal concentration
LD50 median lethal dose
mg milligram
mL milliliter

ppm parts per million
psi pounds per square inch
RCRA Resource Conservation and Recovery Act
RQ Reportable quantity
RTK Right to Know
SARA Superfund Amendments and Reauthorization Act
STEL short-term exposure limit
TCC Tagliabue Closed Cup
TPQ threshold planning quantity
TQ threshold quantity
TSCA Toxic Substances Control Act
TWA time-weighted average
UEL upper explosive limit

This document was prepared in accordance with 29 CFR 1910.1200 and ANSI Z400.1-2004.

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