Safety Data Sheet

SDS (formerly MSDS)

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured by:	Green Eagle Technologies	**Product name:**	**INSECT ANNIHILATOR Concentrate**
Information contact:	**(**928**)** 759- 3997	**Revision:**	1-4-2018

SECTION 2: COMPOSITION- INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS Number	PERCENT
Rosemary oil	8000-25-7	4.0 – 10.0
Thyme oil	8007-46-3	0.2 – 4.0
Clove oil	8000-34-8	0.2 – 4.0
Cinnamon oil	8015-91-6	0.2 – 4.0
Polyglycerol oleate	71012-10-7	0.2 – 4.0
Water	7732-18-5	62 – 92

The active ingredients in this product are 100% organic and biodegradable. The product is exempt from registration under (FIFRA) the Federal Insecticide, Fungicide and Rodenticide Act

SECTION 3: HAZARD IDENTIFICATION

HEALTH - 1
FLAMMABILITY – 0
PHYSICAL HAZARD -0
REACTIVITY - 0

Potential acute health effects: The product and its components represent no known hazard to health or environment. The oral LD 50 $\geq$ 5,000 mg/ Kg for the essential oil components of this product.

Potential chronic health effects: None

SECTION 4: FIRST AID MEASURES

Emergency and First Aid Procedures:

Primary Routes of Exposure: Inhalation Eye Contact Skin Contact Ingestion

Effects of Over-exposure:

Skin:	Prolonged exposure may cause a skin sensitization in susceptible individuals. Low order of toxicity.
Eyes:	Immediately flush eyes with water. Get medical attention if irritation persists.
Ingestion:	Ingestion should be avoided. Get medical attention if ill effects or discomfort persists.
Inhalation:	Remove affected person from area of exposure.

SECTION 5: FIRE FIGHTING MEASURES

Product Data:

Flash point (◦F):	Over 510^{o}F Fahrenheit, essential oils
Flammability Limits in Air (% by Vol.):	Lower: Not established Upper: Not established
Auto-ignition Temperature:	Not Established, Aqueous solution, $\geq$ 250 F
Extinguishing Media for fires:	Carbon dioxide, dry powder, foam, water fog or mist. Water may be ineffective on flames, but should be used to keep fire exposed containers cool.
Special Fire Fighting Procedures:	Product will not burn or produce unusual chemical hazards upon exposure to heat, water or extinguishing media.
HMIS Rating:	Health: 0 Flammability: 0 Reactivity: 0

*HMIS: Minimal= 0, Slight= 1, Moderate= 2, Serious= 3, Severe= 4

Personal Protective Equipment (PPE):

A = Safety glasses
B = Safety glasses, gloves
C = Safety glasses, gloves, chemical apron
D = Face shield, gloves, chemical apron
E = Safety glasses, gloves, dust respirator

Personal Protective Equipment:	Fire fighters need self-contained respiratory equipment for fires in enclosed areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Procedure:

Contain, collect and reuse, if possible. This product is not considered a hazardous product, and is therefore not considered a hazardous waste. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Personal Protection:

Respiratory Protection:	Approved NIOSH/MSHA (nuisance dust) respirator may be necessary under certain conditions where airborne contaminants may exceed exposure limits.
Eye Protection:	Wear goggles or safety glasses with side shields at all times.
Other Protective Equipment:	Impervious gloves, long sleeve pants and shirts, and protective head-wear should be worn to minimize exposure.

SECTION 7: HANDLING AND STORAGE

Storage Conditions:

The maximum recommended storage temperature for this product is 160°F. Store in a well ventilated area.

Handling Procedures:

Avoid ignition sources such as sparks and flame. No special precautionary health measures should be needed under anticipated conditions of storage or use. As a water based product, general incompatibility with hydrocarbon oils are expected. However, no reaction (hazardous or otherwise) is expected on contact with other materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Information:

The use of local exhaust ventilation is recommended to control process emissions near source. Provide mechanical ventilation of confined spaces

Respiratory Information:

A respiratory protection program meeting OSHA 29 CFR & 1910-134 and ANSI Z88. Two requirements must be followed whenever work place conditions warrant a respirator's use.

Eye Protection:

Use Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection:

NOTE: Material may be a skin sensitizer in susceptible individuals. The gloves listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:

- Butyl Rubber
- Nitrile

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves after use. Wash hands with soap and water.

Other Protection:

Use a chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Engineering Controls (Ventilation):

Use local exhaust ventilation with a minimum capture velocity of 150 ft. /min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of *Industrial Ventilation: A Manual of Recommended Practice*, published by the American Conference of Government Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment:

Facilities storing or utilizing this product should be equipped with an eyewash facility and safety showers.

The product and its components represent no known hazard to health or environment. The oral LD 50 $\geq$ 5,000 mg/ Kg for the essential oil components of this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Water like	**Water Solubility**	miscible
Appearance/Odor:	Amber -cream	**Melting Point**	N/A, liquid
Evaporation Rate:	Equal to water	**pH**: 6.6 – 7.0	**Boiling Point:** N/A
Specific Gravity:	.894 @ 77ºF	**Boiling Point** >200ºF	**Melt Point** <32 F
Critical Temp: N/A	**Volatility:** as Water	**Odor:** Mild aromatic	**Dispersion:** Aqueous
Vapor Density: Water			

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is considered stable. Hazardous polymerization will not occur.

Conditions to Avoid:	Extreme temperatures and open flames.
Materials to Avoid:	Avoid mixing with strong oxidants.
Hazardous Decomposition Products:	None Known
Hazardous Polymerization Products:	None Known

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 5000 mg/kg [Rat].
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: possible irritant on skin contact, ingestion, or inhalation.
Special Remarks on Toxicity to Animals: None Known.
Special Remarks on Chronic Effects on Humans: None Known.
Special Remarks on other Toxic Effects on Humans: None Known.

Also refer to section three for information on potential health effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: None Known.
BOD5 and COD: Not available.
Products of Biodegradation: short term degradation products are not likely.
Toxicity of the Products of Biodegradation: The products of degradation are not known to be toxic.
Special Remarks on the Products of Biodegradation: None available.
No specific ecological data are available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of this product in compliance with all applicable federal, state, and local regulations
Please refer to sections 5 and 6 for disposal and regulatory information.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT) **DOT Shipping Name:** Not regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventory Lists All products are listed on TSCA and DSL

SARA (311/312) Reportable Hazardous Categories NONE

Federal and State Regulations: TSCA 8(b) inventory: Rosemary oil
Other Regulations: Not available.
Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada). DSCL (EEC): R36/38- Irritating to eyes and skin. HMIS (U.S.A.): p.5 Health Hazard: 0 Fire Hazard: 0 Reactivity: 0
Personal Protection: National Fire Protection Association (NFPA): Health: 0 Flammability: 0 Reactivity: 0 **Specific hazard:** N/A
Protective Equipment: Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

SECTION 16: OTHER INFORMATION

The data presented here relates only to the product in use as designated and in relation to other materials.
References: N/A **Other Special Considerations:** N/A **Created**: 7/09/2012 **Last Updated:** 08/4/2016