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1 IDENTIFICATION

Product Name Stop the Bites® - EX! – Use Dilution
(8 oz concentrate to 1 gallon of water dilution = 96.598% water)

Product Code(s) 1647586

Recommended Use This product is a water-based insecticide for outdoor use..

Restrictions on use Do not apply to bodies of water.

Supplier Identification Arkion Life Sciences, LLC

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New Castle, DE 19720, USA

Telephone Phone: 302-504-7402
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E-mail info@arkionls.com

Website www.arkionls.com

National Poison Control: 800-222-1222

INFOTRAC: 800-535-5053

2 HAZARDS IDENTIFICATION

Classification:

Skin sensitization

Category 1

Appearance: Cloudy

Physical state: Liquid Emulsion

Odor: Woody

GHS Label Elements, including Precautionary Statements:

Signal Word: Warning

Hazard Statements:

May cause an allergic skin reaction



Precautionary Statements:

Prevention: Avoid breathing fumes/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response: Specific treatment (see supplemental first aid instructions in Section 4). **If on Skin:** Wash with plenty of water and soap. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Other Information: Harmful to aquatic life.

Unknown acute toxicity 1.467% of the mixture consists of ingredient(s) of unknown toxicity

- 1.467% of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 1.467% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 1.467% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas/vapor/dust/mist)

3 COMPOSITION / INFORMATION ON INGREDIENTS



Substance: Not Applicable.

Mixture:

Chemical Name	CAS Number	Weight-%	Hazardous Material Information Review Act Registry Number (HMIRA Registry Number)	Date HMIRA Filed and Date Exemption Granted (if applicable)
Glyceryl stearate	31566-31-1	1.467	-	-
Geraniol	106-24-1	0.534	-	-
Oils, rosemary	8000-25-7	0.467	-	-

4 FIRST AID MEASURES

Description of First Aid Measures:

General Advice	Show this SDS to the doctor in attendance.
Inhalation	Move to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Clean mouth with water then drink plenty of water.

Most Important Symptoms and Effects, Both Acute and Delayed: Itching, rashes, hives.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Note to Physicians: May cause sensitization in susceptible persons. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable Extinguishing Media	Do not scatter spilled material with high pressure water streams.
Specific Hazards Arising from the Chemical Hazardous Combustion Products	Product is or contains a sensitizer. May cause sensitization by skin contact. Carbon oxides.
Explosion Data:	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special Protective Equipment for Firefighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Methods and Materials for Containment and Cleaning Up:	
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7 HANDLING AND STORAGE

Precautions for Safe Handling:

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
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Conditions for Safe Storage, including any Incompatibilities:

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Limits: The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this SDS is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed below.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glyceryl stearate	TWA: 10 mg/m ³ inhalable particulate matter except	-	-



31566-31-1	stearates of toxic metals TWA: 3 mg/m ³ respirable particulate matter except stearates of toxic metals			
Chemical Name	Alberta	British Columbia	Ontario TWAEV	Quebec
Glyceryl stearate 31566-31-1	TWA: 10 mg/m ³	-	TWA: 10 mg/m ³ TWA: 3 mg/m ³	-

Appropriate Engineering Controls:**Engineering Controls**

Showers, eyewash stations, ventilation systems.

Individual Protection Measures, such as Personal Protective Equipment:**Eye/face Protection**

Wear safety glasses with side shields or goggles.

Hand Protection

Wear suitable gloves.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9 PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties:**

Auto-ignition temperature:	N/A	Partition coefficient: n-octanol/water:	N/D
Color:	Cloudy yellow	pH:	6.0
Decomposition temperature:	N/D	Physical state:	Liquid emulsion
Evaporation rate:	N/D	Relative density:	1 g/mL
Flammability (solid, gas):	N/A	Solubility(ies):	Miscible in water
Flash point:	N/A	Upper/lower explosive limits:	N/D
Freezing point:	N/D	Upper/lower flammability limits:	N/D
Initial boiling point and range:	N/D	Vapor pressure:	N/A
Melting point:	N/A	Viscosity:	N/D
Odor:	Woody	N/A = Not Applicable	N/D = Not Determined

10 STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	None known based on information supplied.
Hazardous Decomposition Products	Carbon oxides.

11 TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure:****Product Information:**

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available. Based on components, may cause sensitization by skin contact; repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics:**Symptoms** Itching. Rashes. Hives.**Numerical Measures of Toxicity:**

Unknown Acute Toxicity	1.467% of the mixture consists of ingredient(s) of unknown toxicity
	1.467% of the mixture consists of ingredient(s) of unknown acute oral toxicity
	1.467% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	1.467% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas/vapor/dust/mist)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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Geraniol	= 3600 mg/kg (rat)	> 5 g/kg (rabbit)	-
Oils, rosemary	= 5 g/kg (rat)	-	-

Delayed and Immediate Effects as well as Chronic Effects from Short- and Long-Term Exposure:

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12 ECOLOGICAL INFORMATION

Ecotoxicity		Harmful to aquatic life.		
Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Geraniol	No data available	96h LC50 = 22 mg/L (<i>Danio rerio</i>)	No data available	No data available

Persistence and Degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.
Other Adverse Effects	No information available.

13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	
Waste from Residues/Unused Products	Dispose of in accordance with local regulations and environmental legislation.
Contaminated Packaging	Do not reuse empty containers.
California Waste Code	331

14 TRANSPORT INFORMATION

DOT	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
TDG	Not Applicable
MEX	Not Applicable
ICAO	Not Applicable
IATA	Not Applicable
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
IMDG/IMO	Not Applicable
Hazard Class	Not Applicable
RID	Not Applicable
ADR	Not Applicable
ADN	Not Applicable

15 REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Mixture:

International Regulations:	
The Montreal Protocol on Substances that Deplete the Ozone Layer	Not applicable
The Stockholm Convention on Persistent Organic Pollutants	Not applicable
The Rotterdam Convention	Not applicable

International Inventories:	
TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.



ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend:

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	- Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AICS	- Australian Inventory of Chemical Substances

US Federal Regulations:**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations:

U.S. State Right-to-Know Regulations: This product does not contain any substances above threshold limits that are regulated by state's' right-to-know.

16 OTHER INFORMATION	
NFPA	Health Hazards 2 Flammability 0 Instability 0 Physical and Chemical Properties - Personal Protection X
HMIS	Health Hazards 2 Flammability 0 Physical Hazards 0
Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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Revision Note	No information available

Disclaimer

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