

Safety Data Sheet

According to OSHA HCS (29 CFR § 1910.1200(g)) as Published in the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012

1 IDENTIFICATION

Product Identifier:

Product Name: **Stop the Bites™ – Use Dilution**
(6 oz concentrate to 1 gallon of water dilution = 98% water)
Product Code: None
Synonyms: N/A: Product is a proprietary water-based end-use mixture

Manufacturer Information:

Arkion Life Sciences LLC
551 Mews Drive Suite J
New Castle, DE 19720
Toll Free: 800-468-6324
Phone: 302-504-7400
Fax: 302-655-3603
Email: info@ArkionLS.com
Website: www.arkionls.com

Emergency Phone Number:

INFOTRAC: 800-535-5053
National Poison Control: 800-222-1222

Recommended Use:

This product is a water-based outdoor adult mosquito and tick insecticide/repellent spray.

Use Restrictions:

None known.

2 HAZARDS IDENTIFICATION

Hazard Classification:

Skin sensitization: Category 1

Hazard Statement:

Signal Word: CAUTION
May cause an allergic skin reaction.

Precautionary Statements:



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

Response: See Section 4 for supplemental First Aid instructions. **If on Skin:** Wash with plenty of water and soap. Get medical advice/attention if skin irritation or rash occurs. Wash contaminated clothing before reuse.

Storage: Store locked up. **Disposal:** Dispose of contents/container to an approved waste disposal plant.

Unknown Acute Toxicity:

0% of this mixture consists of ingredient(s) of unknown toxicity.

0% of this mixture consists of ingredient(s) of unknown acute oral, dermal and acute inhalation (gas/vapor/dust/mist) toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight	Hazardous Material Information Review Act ("HMIRA") Registry Number	Date HMIRA Filed and Date Exemption Granted (if applicable)
Geraniol	106-24-1	Trade Secret	-	-
Lemongrass oil	8007-02-1	Trade Secret	-	-

4 FIRST AID MEASURES

General Advice: Show this Safety Data Sheet to the doctor in attendance.

Inhalation: Remove 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. See a physician in the case of skin irritation or allergic reaction.

Ingestion: Clean mouth with water and drink plenty of water afterwards.

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

Indication of any Immediate Medical Attention and Special Treatment Needed: 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: Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous Combustion Products: Carbon oxides.

Explosion Data:

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

Use personal protection equipment.

6 ACCIDENTAL RELEASE MEASURES

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.

Containment Methods: Prevent further leakage or spillage if safe to do so.

Cleanup Methods: Dam up. Soak up with inert absorbent material then pick up and transfer to properly labeled containers.

7 HANDLING AND STORAGE

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

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls: Showers, eyewash stations and ventilation systems.

Eye/Face Protection: Safety glasses with side shields or goggles.

Hand Protection: Wear suitable gloves.

Skin/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: Handle in accordance with good industrial hygiene and safety practices.

9 PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature: N/A

Color: Cloudy, pale yellow

Decomposition temperature: N/D

Evaporation rate: N/D

Flammability (solid, gas): N/A

Flash point: N/A

Freezing point: N/D

Initial boiling point and range: N/D

Melting point: N/A

Odor: Lemony

Partition coefficient: n-octanol/water: N/A

pH: 7

Physical state: Liquid suspension

Relative density: 1 g/mL

Solubility(ies): Miscible in water

Upper/lower explosive limits: N/D

Upper/lower flammability limits: N/D

Vapor pressure: N/A

Viscosity: 1 @ 20°C

N/A = Not Applicable

N/D = Not Determined

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10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation: Specific test data for the mixture is not available.
Eye Contact: Specific test data for the mixture is not available.
Skin Contact: Specific test data for the mixture is not available. May cause sensitization by skin contact based on components. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion: Specific test data for the mixture is not available.

Toxicological Effects:

Symptoms: Itching, rashes and hives.

Acute Toxicity:

Unknown Acute Toxicity:

0% of this mixture consists of ingredient(s) of unknown toxicity.
0% of this mixture consists of ingredient(s) of unknown acute oral, acute dermal and acute inhalation (gas/vapor/dust/mist) toxicity.

Component Information:

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

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 (NON-MANDATORY)

Ecotoxicity: The environmental impact of this product has not been fully investigated.
Persistence and Degradability: No information available.
Bioaccumulation: There is no data for this product.
Mobility: No information available.
Other Adverse Effects: No information available.

13 DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Water Treatment Methods:

Waste from Residues/Unused Products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated Packaging: Do not reuse empty containers.

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14 TRANSPORT INFORMATION (NON-MANDATORY)

DOT, TDG, MEX, ICAO, IATA, IMDG/IMO, RID, ADR and ADN: Not Regulated

15 REGULATORY INFORMATION (NON-MANDATORY)

ODS (Ozone-Depleting Substances): Not applicable.
POP (Persistent Organic Pollutants): Not applicable.
ENR (Export Notification Requirements): Not applicable.

AICS (Australian Inventory of Chemical Substances): Contact supplier for inventory compliance status.
DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substances List): Contact supplier for inventory compliance status.
EINECS/ELINCS (European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances): Contact supplier for inventory compliance status.
ENCS (Japan Existing and New Chemical Substances): Contact supplier for inventory compliance status.
KECL (Korean Existing and Evaluated Chemical Substances): Contact supplier for inventory compliance status.
PICCS (Philippines Inventory of Chemicals and Chemical Substances): Contact supplier for inventory compliance status.
TSCA (U.S. Toxic Substances Control Act Section 8(b) Inventory): Contact supplier for inventory compliance status.

U.S. 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 that 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 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 levels pertaining to releases of this material.

U.S. State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

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

16 OTHER INFORMATION

NFPA	Health Hazards: 2	Flammability: 0	Instability: 0	Physical and Chemical Properties -
HMIS	Health Hazards: 2	Flammability: 0	Physical Hazards: 0	Personal Protection: X

SDS Information:

Number: STBUD
Date Prepared: September 17, 2018
Version: 1

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specific in the test.