

1. Product And Company Identification

Product Name: BUGGINS® Insect Repellent

Manufacturer: BUGG Products LLC
14505 - 21st Ave N STE 214
Plymouth, MN 55447

Telephone Number: 866-720-2844

Emergency Phone Number: 866-720-2844 (M-F 9-5pm CT)

Product Use: Insect Repellent

Restriction on Use: Use only as directed on product label

2. Hazards Identification

This product is a 25(b) minimum risk pesticide that is sold as a consumer product. Consumer products are not subject to OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

Classification:

Physical	Health
Not Hazardous	Skin Sensitizer Category 1 Eye Irritant Category 2A

Warning

Hazard statement(s)

May cause an allergic skin reaction.
Causes serious eye irritation.



Precautionary statement(s)

Avoid breathing mist or vapor.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear eye protection.

Precautionary statement(s)

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Dispose of contents and container in accordance with local, regional and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Geraniol	106-24-1	1.5%
Peppermint Oil	8006-90-4	0.5%
Lemongrass Oil	8007-02-1	0.06%
Clove Oil	8000-34-8	0.05%
Other Non-Hazardous Ingredients	Mixture	97.89%

4. First Aid Measures

Inhalation: Move to fresh air. Get medical attention if irritation or other symptoms persist.

Skin Contact: This product is intended for use on the skin. If irritation or rash develops, discontinue use and seek medical advice.

Eye Contact: Flush eyes thoroughly with water at least 15 minutes while lifting the upper and lower lids. Remove

contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting unless directed to so do by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes serious eye irritation. May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not generally required.

5. Firefighting Measures

Suitable (and unsuitable) extinguishing media: Use any extinguishing media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid contact with eyes. Wear personal protective as described in Section 8.

Environmental hazards: Avoid releases into the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Absorb spilled liquid with suitable inert absorbent. Place in appropriate disposal container.

7. Handling and Storage

Precautions for safe handling: Avoid contact with the eyes. Do not spray directly onto face. Avoid breathing mists or vapors. Use with adequate ventilation. Do not contaminate water, food or feed by storage or disposal.

Conditions for safe storage, including any incompatibilities: Store in a secure, preferably locked storage area that is inaccessible to children. Protect from freezing. Store at 40-90°F.

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Geraniol	None Established
Peppermint Oil	None Established
Lemongrass Oil	None Established
Clove Oil	None Established

Ventilation: Use adequate ventilation to minimize exposure.

Respiratory Protection: None should be needed for normal use.

Gloves: This product is intended for use on the skin.

Eye Protection: Avoid eye contact. Wear safety goggles for bulk processing.

Other Protective Equipment/Clothing: None required.

9. Physical and Chemical Properties

Appearance: White liquid.

Odor: Vanilla

Odor threshold: Not established	pH: 6.8
Melting point/freezing point: 0°C (32°F)	Boiling point/ Boiling Range: 100°C (212°F)
Flash point: None	Evaporation rate: Same as water
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Same as water	Vapor density: Same as water
Relative density: 0.979	Solubility in Water: Soluble
Partition coefficient: n-octanol/water: Not established	Auto-ignition temperature: Not established
Decomposition temperature: Not established	Viscosity: Not established

10. Stability and Reactivity

Reactivity: Not reactive under normal storage and handling conditions.

Chemical stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Combustion after the water has evaporated will produce oxides of carbon.

11. Toxicological Information

Inhalation: Inhalation of mist or vapor may cause slight irritation to the nose, throat and upper respiratory tract.

Skin Contact: May cause an allergic skin reaction in sensitized people.

Eye Contact: Causes serious eye irritation, redness and tearing.

Ingestion: May cause gastrointestinal irritation.

Chronic Hazards: None known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Acute Toxicity Values:

Geraniol: LD50 oral rat 3600 mg/kg; LD50 dermal rabbit >5000 mg/kg.

12. Ecological Information

Ecotoxicity: No data available. Components are harmful to aquatic organisms.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available

Other adverse effects: None known.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. **If empty:** Container is non-refillable. Do not reuse or refill this container. Recycle if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

This product has not been registered by the U.S. EPA. BUGG Products LLC represents that this product qualifies for exemption from registration under FIFRA Section 25(b) – minimum risk pesticides.

CERCLA Section 103: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Refer to Section 2 for the OSHA Hazard Classification.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

16. Other Information

NFPA Rating (NFPA 704):	Health: 2	Fire: 0	Instability: 0
HMIS Rating:	Health: 2	Fire: 0	Physical Hazard: 0

SDS Revision History: New SDS

Date of preparation: March 31, 2018

Date of last revision: New SDS