

## MATERIAL SAFETY DATA SHEET

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

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### 1. Company and Product Identification

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**Product:** Bioganic Safety Brands™ Lawn & Garden Hose Spray  
UPC Code: 79000230016  
**Manufacturer:** Bioganic Safety Brands, Inc.  
318 Seaboard Lane, Suite 202  
Franklin, TN 37067

**Emergency Telephone Number**  
InfoTrac Chemical Response System  
(888) 535-5053 (24 hours)  
**For General Information:**  
(888) 326-SAFE (9am to 5pm EST)

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### 2. Ingredients

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<u>Ingredient Name</u>	<u>% by weight</u>	<u>CAS #</u>	<u>Exposure Limits</u>
Thyme Oil	0.45%	8007-46-3	None established
Eugenol (Clove Oil)	0.45%	97-53-0	None established
Sesame Oil	0.45%	8008-74-0	None established
Other Ingredients	98.65%	None	None established

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### 3. Hazards Identification

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**Overview:**

- Off-white liquid with a floral scent
- The product will not burn.

**Potential Health Effects:** Avoid breathing spray and avoid contact with eyes - prolonged exposure to this product may cause skin irritation and/or eye irritation.

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### 4. First Aid Measures

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**Eyes:** Flush with water for at least 15 minutes. Consult physician if irritation persists.  
**Skin:** Wash exposed area with soap and water. Remove contaminated clothing.  
**Inhalation:** Move exposed person(s) to fresh air.  
**Ingestion:** Rinse mouth out with water. Do not induce vomiting. Obtain medical attention.

## 5. Fire Fighting Measures

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**Flashpoint:** ..... Not applicable  
**Flammable Limits:** ..... Not applicable  
**Extinguishing Media:** ..... Not applicable  
**Fire and Explosion Hazards:** ..... The product will not burn.  
**Special Fire Fighting Procedures:** ..... None  
**Hazardous Decomposition Products:** ... Thermal decomposition may produce carbon monoxide and carbon dioxide.

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## 6. Spill/Leak Procedures

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Should the product be spilled, absorb any liquid with an inert absorbent material and dispose of the absorbent material according to local ordinances.

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## 7. Handling and Storage

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Store in a cool, dry place. Keep out of the reach of children and animals. Do not contaminate with other pesticides.

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## 8. Exposure Control/Personal Protection

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**Ventilation:** ..... Local exhaust ventilation is not required. If used indoors on a continuous basis, ensure adequate mechanical ventilation.  
**Respiratory Protection:** ..... Not required with adequate ventilation. If ventilation is poor, wear a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (NIOSH/MSHA in U.S.).  
**Eye Protection:** ..... Not required. Safety glasses are recommended during application.  
**Gloves:** ..... Not required.  
**Other Protective equipment:** .. Not required.

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## 9. Physical Properties

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**Appearance:** Off-white liquid  
**Odor:** Floral scent

**Weight per Volume:** 8.3 lbs/gallon

### 10. Stability and Reactivity

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**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur

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### 11. Toxicological Information

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**Rat Acute Oral:** ..... LD50 > 5000 mg/kg

**Acute effects from Overexposure:** ..... This product has low oral and dermal toxicity. Prolonged contact with the skin may cause irritation, and contact with the eyes may cause eye irritation. Ingestion of this product could result in irritation of the gastrointestinal tract.

**Chronic Effects from Overexposure:** .. No data are available.

**Carcinogenicity:** ..... **NTP:** No      **OSHA:** No

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### 12. Environmental Information

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While specific data regarding toxicity to fish or other aquatic organisms is not available for this product, care should always be taken to prevent pesticides from entering aquifers.

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### 13. Disposal

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When container is empty, recycle if possible. If recycling is not available, rinse container with water and dispose of with ordinary trash.

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### 14. Transportation Information

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**Proper Shipping Name:** Consumer Commodity

**DOT Hazard Class:** Not regulated

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### 15. Regulatory Information

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**NFPA Ratings:**      Health - 1      Fire - 0      Reactivity - 0      Special - none

**SARA Title III:**      This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.