

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Guardian Backyard

Manufacturer: TyraTech, Inc.
5151 McCrimmon Parkway, Suite 275
Morrisville, NC 27560

Information and Assistance Phone Number: CHEMTREC 1-800-424-9300 (toll free)
1-202-366-4488 (international)

Email Contact: msdsinfo@tyratech.com

Product Use: Repellent for mosquitoes and ticks.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This material is a concentrate of natural oils / components and solvent. All ingredients in this formulation are FIFRA exempt materials according to the US EPA.

Components	CAS #	Percent
Geraniol	106-24-1	0.25%
Other Ingredients*		99.75%
White Mineral Oil	8042-47-5	
Isopropanol	67-63-0	
Proprietary Ingredients		

SECTION 3: HAZARDS IDENTIFICATION

APPEARANCE: Material is clear colored liquid with floral odor.

KEEP OUT OF REACH OF CHILDREN – CAUTION –

Avoid contact with eyes and plants. Wash thoroughly with soap and water after handling.

EMERGENCY OVERVIEW: Material may cause mild eye and respiratory irritation.

SECTION 4: FIRST AID MEASURES

Eye: If liquid inadvertently comes in contact with eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes then continue rinsing eye. If irritation develops contact a doctor for treatment advice.

Skin: Wash contact area thoroughly with soap and water. If irritation develops contact a doctor for treatment advice. Remove contaminated clothing in advent of spill and wash clothing before reuse.

Inhalation: If irritation is experienced, remove person to fresh air. Seek medical attention if irritation persists.

Ingestion: In case of accidental ingestion, rinse mouth out with water and contact a doctor for treatment advice.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 30.7 °C

Flammable Limits: Not available. Flammable. Will be ignited by sparks, or flame.

Extinguishing Media:

Small Fire: Use DRY chemical powder, CO₂, water spray, or alcohol resistant foam.

Large Fire: Water spray, fog, or alcohol resistant foam. Use water spray or fog; do NOT use straight streams. Move containers from fire area if you can do so without risk.

Special Fire Fighting Procedures: Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Unusual Fire Hazards: Vapors may be heavier than air.

Hazardous Decomposition Products: Oxides of carbon and nitrogen and products of incomplete combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill: Eliminate all ignition sources (no smoking, flares, sparks). Ground all equipment. Keep unauthorized personnel away. Avoid eye contact and wear appropriate eye protection (safety glasses with sideshields are recommended). Wear gloves and avoid contact with skin. Absorb spill with inert material and put in an appropriate waste disposal. Report spills and releases as required to appropriate authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep away from heat and sources of ignition.

Storage: Store in a cool, dry location away from heat or open flame. Keep containers sealed when not in use. Do not store above 24°C (75°F).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use in a well ventilated area.

Respiratory Protection: None required for the normal use of this product.

Skin Protection: None required for normal use.

Eye Protection: Avoid eye contact. Wear safety glasses or goggles with side shields where eye contact is possible.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear colored liquid with floral odor.
pH: Not available
Specific Gravity: < 1 at 20°C (water = 1)
Boiling Point: Not applicable
Melting Point: Not applicable
Vapor Pressure: Not available
Water Solubility: Not available
Vapor Density: Not available
Evaporation Rate: Not available

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Incompatibility: Product may react with strong oxidizing agents.
Hazardous Decomposition Products: Do not breathe smoke from burning material.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid sources of ignition.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:
Eye: May cause eye irritation.
Skin: Minimal likelihood of skin irritation.
Inhalation: Inhalation may cause respiratory irritation.
Ingestion: Predicted to possess low acute oral toxicity, based on rodent acute toxicity studies of individual plant essential oil active ingredients, and quantities contained in this material.
Chronic Hazards: Not available
Medical Conditions Aggravated by Exposure: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma.
Acute Toxicity Values: Not available

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL INFORMATION

Dispose in accordance with all local and national regulations. Do not reuse empty container. Destroy when empty.

SECTION 14: TRANSPORT INFORMATION

DOT: Consumer Commodity – ORM-D
IATA: Consumer Commodity - ID8000

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is not Subject to CERCLA release reporting. Many states have more stringent regulations. Follow state regulations for disposal of this material. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Excluded – personal, family, or household purposes. Packaged for use by general public.
Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the EPA TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the State of California to cause cancer: None.

SECTION 16: OTHER INFORMATION

Not Available