

SAFETY DATA SHEET

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I Must Garden Groundhog Repellent
TRADE NAME: I Must Garden Groundhog Repellent
CHEMICAL FAMILY: Botanicals
MANUFACTURER: **I Must Garden, LLC**

REVISION DATE: 02 May 2016
GENERAL USE: Animal Repellent
PRODUCT DESCRIPTION: Liquid with fragrant odor.
TELEPHONE NUMBER (General Inquiries) 1-877-446-2929 / 1- 919-929-2299 Locally

ADDRESS: 1289 N. Fordham Blvd, Chapel Hill, NC 27514 COUNTRY: USA

EMERGENCY TELEPHONE NUMBERS: 1-877-446-2929 United States (Toll Free) 919-929-2299 Internationally and Local Calls

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Ingestion may cause some gastric and/or intestinal distress. May cause mild irritation to eyes. Irritation to skin may occur - primarily from prolonged or repeated exposures. Product has low overall toxicity. Product is safe for use near bodies of water when used as directed. **I Must Garden represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.**

US DOT HAZARD SYMBOL(S) **NONE – Non-hazardous for transport**

HMIS HAZARD RATINGS: 0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE, 3 = HIGH, 4 = EXTREME **HEALTH: 0, FLAMMABILITY: 0, PHYSICAL HAZARD: 0**

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: **C Safety glasses, gloves and apron are suggested while spraying product.**

POTENTIAL HEALTH EFFECTS

INHALATION: No significant effect expected from a single short-term exposure, although mild irritation is possible.

SKIN: May be slightly irritating to skin, mainly from prolonged or repeated exposures.

EYES: May cause eye irritation from direct contact.

INGESTION: Digestive tract disturbances may result from ingestion of large quantities. Short-term symptoms may include nausea, vomiting, and diarrhea.

CARCINOGENICITY: NTP? **NO** IARC MONOGRAPHS? **NO** OSHA REGULATED? **NO** CALIFORNIA, Prop. 65? **NO** ESIS NOTATION? **NO**

SECTION 3 – INFORMATION ON PRODUCT COMPOSITION

Component	% (by weight)	CAS #
Putrescent Whole Egg Solids	1.62%	51609-52-0
Rosemary Oil	0.62%	8000-25-7
Thyme Oil	0.33%	8007-46-3
Garlic	0.28%	N/A
Clove Oil	0.21%	8000-34-8
White Pepper	0.09%	N/A
Inert Ingredients	QS	N/A

NOTES: This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS) and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation).

SECTION 4 – FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult medical personnel.

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Seek medical attention if irritation persists.

SKIN: Wash thoroughly with soap and water, no further first aid should be required.

INGESTION: If ingested in large amounts and victim is conscious and able to swallow, have victim drink water to dilute. Call a physician or Poison Control Center. Never give anything by mouth if a victim is unconscious or having convulsions. Induce vomiting only if advised by a physician or Poison Control Center. **Note to physician: Product has low oral toxicity; treatment should be supportive. Gastric Lavage with activated charcoal is acceptable treatment when large quantities of product are ingested.**

SECTION 5 – FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product is combustible under fire conditions. Products of combustion include compounds of carbon, hydrogen, nitrogen, sulfur and oxygen, including Carbon Monoxide

EXTINGUISHING MEDIA: Water fog, carbon dioxide and dry chemical.

FIRE FIGHTING PROCEDURES: Wear SCBA when fighting fires involving any chemical product. Individual containers may rupture under fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS: Carbon compounds and oxides, nitrogen compounds and oxides, sulfur compounds and oxides, phosphorous compounds and oxides.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills, wipe up with towel. Wash area with soap and plenty of water. For larger spills, soak up with approved absorbent (clay or diatomaceous earth is a good choice) and discard.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Store in a cool, dark, dry location, avoiding direct sunlight. Keep this and all lawn and garden products out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	CAS #	Exposure Limits	
		ACGIH Exposure Limits (mg/m3 unless otherwise noted)	OSHA Exposure Limits (mg/m3 unless otherwise noted)
Putrescent Whole Egg Solids	51609-52-0	NE	NE
Rosemary Oil	8000-25-7	NE	NE
Thyme Oil	8007-46-3	NE	NE
Garlic	N/A	NE	NE
Clove Oil	8000-34-8	NE	NE
White Pepper	N/A	NE	NE
Inert Ingredients	N/A	N/A	N/A

PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not required during normal use; wear self-contained breathing apparatus for firefighting.

PROTECTIVE GLOVES: None required unless irritation occurs. For susceptible personnel, wear nitrile or neoprene gloves.

EYE PROTECTION: Safety glasses or goggles should be worn as good practice.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective clothing is advisable during spraying. Wash basin is suggested for cleansing hands after use.

WORK / HYGIENIC PRACTICES: Wash hands after use. Remove all contaminated clothing and laundry before re-use. Wash skin with soap and water.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Liquid Concentrate with fragrant odor.

MELTING POINT: Not Determined

FLAMMABLE LIMITS: LEL: ND UEL: ND

VAPOR PRESSURE: Not Determined

SOLUBILITY IN WATER: Miscible

VAPOR DENSITY (AIR = 1): Not Determined

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION: None established

pH: Not Determined

FLASH POINT: >100°C (212°F) (Estimated)

AUTOIGNITION TEMPERATURE: Not Determined

SPECIFIC GRAVITY (WATER = 1): Not Determined

VISCOSITY: Not Determined

EVAPORATION RATE (WATER = 1): Not Determined

NOTES: None

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Extreme temperatures, direct sunlight, keep from freezing

INCOMPATIBILITY (MATERIALS TO AVOID): Water-reactive products, Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon compounds and oxides, nitrogen compounds and oxides, sulfur compounds and oxides, phosphorous compounds and oxides - under fire conditions. Product may degrade into alcohol/organic acid mixture under direct sunlight for extended periods.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None related to hazardous polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Complete Product

Oral LD50	Product is likely to be a gastro-intestinal irritant.
Dermal LD50	Not known - product may be slightly irritating by contact with skin.
Inhalation LC50	Not known - product may be a mild irritant to the respiratory tract.
Irritation	Probable irritant to eyes; possible irritant to skin and respiratory tract.

Product Components

Component	CAS#	LD50 of Ingredient (Oral, Rat – Unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat – unless otherwise specified)
Putrescent Whole Egg Solids	51609-52-0	NE	NE
Rosemary Oil	8000-25-7	5000 mg/kg	NE
Thyme oil	8007-46-3	NE	NE
Garlic	N/A	1360 mg/kg	NE
Clove Oil	8000-34-8	NE	NE
White Pepper	N/A	NE	NE
Inert Ingredients	N/A	N/A	N/A

SECTION 12 - ECOLOGICAL INFORMATION

Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product is classified as non-hazardous. Consult your local, state, or the Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated	DOT HAZARD CLASS / Pack Group: None
REFERENCE: 49 CFR 170-177	UN / NA IDENTIFICATION NUMBER: None
LABEL: None	HAZARD SYMBOLS: None
IATA HAZARD CLASS / Pack Group: None	IMDG HAZARD CLASS: None
RID/ADR Dangerous Goods Code: None	UN TDG Class / Pack Group: None
Hazard Identification Number (HIN): None	

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): All components are listed.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):

Acute Health: NO Fire: NO Reactive: NO Chronic Health: NO Sudden Release of Pressure: NO

SARA 313 REPORTABLE INGREDIENTS: None

CERCLA (USA - Comprehensive Response Compensation and Liability Act): No components with an RQ.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: No Reportable Components.

CPR (Canadian Controlled Products Regulations): Not Controlled per WHMIS.

IDL (Canadian Ingredient Disclosure List): Non-Hazardous - No Disclosure Required.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on NDSL

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH	American Congress of Government Industrial Hygienists
CAS	Chemical Abstracts Service
HMS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
NA	Not Available ND Not Determined
NE	Not Established NR Not Reported
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration