

SAFETY DATA SHEET

GAR

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I Must Garden Animal Repellent
TRADE NAME: I Must Garden Animal Repellent
CHEMICAL FAMILY: Mixed bioorganic substances
MANUFACTURER: **I Must Garden, LLC**

REVISION DATE: 10 January 2016
GENERAL USE: Animal Repellent
PRODUCT DESCRIPTION: Granular solid with mixed odors.
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 result in gastro-intestinal distress. May cause mechanical and/or chemical irritation to eyes. Irritation to skin may occur, especially with prolonged or repeated exposures. Product has low overall toxicity. Product is safe for use near bodies of water when used as directed. Avoid generation and inhalation of dusts from this product. **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: 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0

REQUIRED PERSONAL PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: **B Safety glasses and gloves are suggested for use while spraying this product**

POTENTIAL HEALTH EFFECTS

INHALATION: No significant effect expected from a single short-term exposure. Inhalation of dust may result in coughing. In unusual cases, inhalation of dusts may illicit an allergic response in susceptible individuals.

SKIN: May be slightly irritating to skin; this is more likely to occur with prolonged or repeated exposures.

EYES: May cause eye irritation from direct contact. May cause mechanical abrasion to the eye.

INGESTION: May cause gastric/intestinal disturbances, with 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 #
Blood Meal	48.2%	NA
Garlic	4.5%	8007-78-0
White Pepper	3.2%	8006-82-4
Mint Oil	2.8%	8030-01-1
Lemongrass Oil	1.3%	8007-02-1
Inert Ingredients	QS	NA

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. For mechanical abrasions, seek medical assistance.

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: Gastric Lavage with activated charcoal is acceptable treatment where warranted.**

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: Media may be selected for surrounding fire; all forms of extinguishing media are acceptable.

FIRE FIGHTING PROCEDURES: Wear Self-Contained Breathing Apparatus when fighting fires involving any chemical product.

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: Sweep or shovel up material and discard or reclaim; area may be rinsed with water or washed with soap and water as needed.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed when not in use; protect containers from abuse; protect from temperature extremes. Store in a cool, dark 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 #	ACGIH Exposure Limits	OSHA Exposure Limits
		(mg/m3 unless otherwise noted)	(mg/m3 unless otherwise noted)
Blood meal	N/A	NE	NE
Garlic	8000-78-0	NE	NE
White Pepper	8006-82-4	NE	NE
Mint Oil	8030-01-1	NE	NE
Lemongrass Oil	8007-02-1	NE	NE
Inert Ingredients	NA	NA	NA

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: Not Required
WORK / HYGIENIC PRACTICES: Wash hands after use, and before drinking/eating/smoking. Remove contaminated clothing and launder.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Granular solid with mixed odors.
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 Applicable
FLASH POINT: Not Applicable
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, dampness, direct sunlight
INCOMPATIBILITY (MATERIALS TO AVOID): 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.
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.

Component	CAS#	LD50 of Ingredient (Oral, Rat – Unless otherwise specified)	Product Components
			LC50 of Ingredient (Inhalation, Rat – unless otherwise specified)
Blood Meal	NA	NE	NE
Garlic	8000-78-0	1360mg/kg	NE
White Pepper	8006-82-4	NE	NE
Mint Oil	8030-01-1	NE	NE
Lemongrass Oil	8007-02-1	>5000 mg/kg	NE
Inert Ingredients	NA	NA	NA

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

WASTE DISPOSAL METHOD: Product is classified as non-hazardous. Consult your local, state, or the Federal Environmental Protection Agency before disposing of any chemicals. Product may be incinerated or landfilled.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated
REFERENCE: 49 CFR 170-177
LABEL: None
IATA HAZARD CLASS / Pack Group: None
RID/ADR Dangerous Goods Code: 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.

DOT HAZARD CLASS / Pack Group: None
UN / NA IDENTIFICATION NUMBER: None
HAZARD SYMBOLS: None
IMDG HAZARD CLASS: None
UN TDG Class / Pack Group: None

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
HMIS 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