

SAFETY DATA SHEET

GHC

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I Must Garden Groundhog Repellent Concentrate

REVISION DATE: 10 January 2016

TRADE NAME: I Must Garden Groundhog Repellent Concentrate

GENERAL USE: Animal Repellent

CHEMICAL FAMILY: Botanicals

PRODUCT DESCRIPTION: Liquid with fragrant odor.

MANUFACTURER: **I Must Garden**,

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 gastro-intestinal distress. May cause moderate irritation to eyes from direct contact. Irritation to skin may occur, most often with 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: 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0**REQUIRED PERSONAL PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: **B / C Safety glasses and gloves should be worn while handling product (B); apron should also be worn when splash hazard exists (C)**

POTENTIAL HEALTH EFFECTS

INHALATION: Unlikely source of exposure; No significant effect expected from a single short-term exposure.

SKIN: May be slightly or moderately irritating to skin; prolonged or repeated exposures increases this possibility.

EYES: May cause moderate eye irritation from direct contact; product mists may cause mild irritation.

INGESTION: Ingestion may result in digestive tract 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 #
Putrescent Whole Egg Solids	16.2%	51609-52-0
Thyme Oil	3.3%	8007-46-3
Garlic	2.8%	8000-78-0
Clove Oil	2.1%	8000-34-8
Potassium Sorbate	.5%	24634-61-5
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. Seek medical attention if irritation persists.

SKIN: Wash with soap and warm water.

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: 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 all spills, soak up with approved absorbent (clay or diatomaceous earth is a good choice) or wipe up with towel. Wash area with soap and plenty of water.

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 #	ACGIH Exposure Limits	OSHA Exposure Limits
		(mg/m3 unless otherwise noted)	(mg/m3 unless otherwise noted)
Putrescent Whole Egg Solids	51609-52-0	NE	NE
Thyme Oil	8007-46-3	NE	NE
Garlic	8000-78-0	NE	NE
Clove Oil	8000-34-8	NE	NE
Potassium Sorbate	24634-61-5	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: Recommended while mixing and spraying product to avoid irritation; nitrile or neoprene gloves are acceptable.
EYE PROTECTION: Safety glasses or goggles should be worn as good practice during all operations involving chemicals.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Apron or protective clothing suggested for mixing or circumstances where splash hazard exists.
WORK / HYGIENIC PRACTICES: Wash hands after use. Remove all contaminated clothing and launder before re-use. Wash skin with soap and water.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Liquid Concentrate with fragrant odor.	pH: Not Determined
MELTING POINT: Not Determined	FLASH POINT: >100°C (212°F) (Estimated)
FLAMMABLE LIMITS: LEL: ND UEL: ND	AUTOIGNITION TEMPERATURE: Not Determined
VAPOR PRESSURE: Not Determined	SPECIFIC GRAVITY (WATER = 1): Not Determined
SOLUBILITY IN WATER: Miscible	VISCOSITY: Not Determined
VAPOR DENSITY (AIR = 1): Not Determined	EVAPORATION RATE (WATER = 1): Not Determined
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION: None established	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 assumed 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 irritant to the respiratory tract. Unlikely source of exposure.
Irritation	Irritant to eyes; possible irritant to skin and respiratory tract.

Component	CAS#	Product Components	
		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
Thyme Oil	8007-46-3	NE	NE
Garlic	8000-78-0	1360 mg/kg	NE
Clove Oil	8000-34-8	NE	NE
Potassium Sorbate	24634-61-5	NE	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

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