

SAFETY DATA SHEET

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I Must Garden Armadillo Repellent
TRADE NAME: I Must Garden Armadillo Repellent
CHEMICAL FAMILY: Botanicals
MANUFACTURER: **I Must Garden, LLC**
ADDRESS : 1289 N. Fordham Blvd, Chapel Hill, NC 27514 COUNTRY: USA
REVISION DATE: 10 January 2016
GENERAL USE: Animal Repellent
PRODUCT DESCRIPTION: Viscous liquid with mint odor – NE?
TELEPHONE NUMBER (General Inquiries) 1-877-446-2929 / 1- 919-929-2299 Locally
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 gastric and intestinal distress. Causes irritation to eyes and skin. Fire conditions may result in irritating fumes. Product has low oral 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: **C Safety glasses, gloves and apron should be worn while handling product**

POTENTIAL HEALTH EFFECTS

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

SKIN: Expected to be mildly to moderately irritating to skin.

EYES: May cause eye irritation from direct contact.

INGESTION: Digestive tract irritant; ingestion will potentially result in nausea and diarrhea. Vomiting may occur.

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 #
Castor Oil	95.39%	8001-79-4
Soybean Oil	1.78%	8001-22-7
Thyme Oil	1.10%	8007-46-3
Clove Oil	0.75%	8000-34-8
Sodium Lauryl Sulfate	0.98%	151-21-3

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 until coughing subsides. Consult medical personnel in the unusual event of persistent symptoms.

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 water. In the unusual event of rash or persistent itching, consult a physician.

INGESTION: If ingested in large amounts and victim is conscious, alert to surroundings, 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: Emesis and diarrhea associated with product may result in dehydration; supportive treatment is indicated.**

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: Use water spray, dry chemical, carbon dioxide, or chemical foam; select most appropriate agent for total fire.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating fumes may result from heated product.

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, mix with water to dilute, then wipe up with towel. For large spills, soak up with approved absorbent (sawdust is a good choice.) 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; do not freeze. 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)
Castor Oil	8001-79-4	NE	NE
Soybean Oil	8001-22-7	NE	NE
Thyme Oil	8007-46-3	NE	NE
Clove Oil	8000-34-8	NE	NE
Sodium Lauryl Sulfate	151-21-3	NE	NE

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: For severe decontamination, use shower. 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: Viscous liquid with mint 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): 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 a known gastro-intestinal irritant.
Dermal LD50 Not known - product may be potentially irritating by contact with skin.
Inhalation LC50 Not known - unlikely route of exposure. product may be a mild irritant to the respiratory tract.
Irritation Probable irritant to eyes and skin; possible irritant to respiratory tract.

Component	CAS#	Product Components	
		LD50 of Ingredient (Oral, Rat – Unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat – unless otherwise specified)
Castor Oil	8001-79-4	NE	NE
Soybean Oil	8001-22-7	NE	NE
Thyme Oil	8007-46-3	NE	NE
Clove Oil	8000-34-8	NE	NE
Sodium Lauryl Sulfate	151-21-3	NE	NE

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. Product may be land filled or incinerated.

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

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