



Swamp Gnat Lemongrass Insect Repellent II

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Swamp Gnat Lemongrass Insect Repellent II
Product Code(s): SNAT-6
Other means of Identification: 25(b)
Recommended Use: Botanical Topical Insect Repellent

Manufacturer/Marketer: P.F. Harris Manufacturing Company, LLC P.O. Box 1922 Cartersville, GA 30120 Email: info@pfharris.com www.pfharris.com	Customer Service: 1-800-637-0317 Monday-Friday, 9am – 5pm EST Emergency: National Poison Control: 1-800-222-1222 24 hour Emergency Telephone: 1-800-255-3924
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SECTION 2. HAZARDS IDENTIFICATION

OSHA Regulatory Status:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HAZARDS CLASSIFICATION:
Skin Corrosion/Irritation – Category 3
Serious Eye damage/Eye Irritation – Category 2B
Flammability – Category 3
Harmful to aquatic life, acute – Cat 3

SIGNAL WORD: WARNING
GHS HAZARD PICTOGRAMS:



Hazard Statements: Causes mild skin irritation. Causes eye irritation. Harmful to aquatic life. Flammable liquid and vapour.

Chronic/Long Term Effects: Prolonged inhalation of mists or vapors may be harmful.

Acute/Potential Health Effects:

EYES: Causes eye irritation.

SKIN: Causes mild skin irritation. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

INHALATION: Overexposure by inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

INGESTION: May be irritating to the digestive tract: may cause gastric distress, stomach pains. Aspiration hazard if swallowed - can enter lungs and cause damage.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Chemical Name	CAS Number	WT %
Soybean Oil	8001-22-7	18.94
Geranium Oil	8000-46-2	1.00
Geraniol	106-24-1	0.02
Lemongrass Oil	8007-02-1	0.02
Rosemary Oil	8000-25-7	0.02
Isopropyl Alcohol, 2-Propanol	67-63-0	70.00
Isopropyl Myristate	110-27-0	10.00

These components contain no substances or impurities which influence the classification of this product.

SECTION 4. FIRST AID MEASURES

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. Call a poison control center or doctor for treatment advice.

SKIN: This product is formulated for use on the skin. If irritation develops, rinse skin with plenty of water and wash clothing before reuse. Get medical attention if irritation persists.

INHALATION: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

INGESTION: Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

SPECIFIC HAZARDS: FLAMMABLE LIQUID AND VAPOR. Closed containers may explode due to buildup of pressure when exposed to extreme heat. Products of combustion include compounds of carbon and oxygen, including carbon monoxide.

SPECIAL PROTECTIVE EQUIPMENT: Safety glasses, gloves.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain and recover material when possible. Use appropriate personal protective equipment. Keep away from heat, sparks, flame and other sources of ignition. Place into a suitable container for reclamation or disposal. Keep out of waterways. Dispose of in accordance with applicable local regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING: Use this product only in a manner consistent with its labeling. For external use only. Avoid contact with eyes. Use with adequate ventilation. Avoid breathing vapors or mists. Do not contaminate water, food or feedstuffs by storage, handling, or disposal. Keep away from heat, sparks, flame and other sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation.

STORAGE: Store only in original container, in a dry place inaccessible to children and pets. Store away from food and pet-food. Emptied containers may retain product residues.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Soybean Oil (CAS 8001-22-7)					3 mg/m3 respirable mist		
Isopropyl Alcohol, 2-Propanol		400		400			

ENGINEERING CONTROLS: No special controls indicated.

Eye Protection: No special requirements.

Skin Protection: No special requirements.

Respiratory Protection: No special requirements. Use with adequate ventilation.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance and Odor: Clear, Lemongrass odor

pH: N/A

Freezing Point: 32°F (0°C)

Boiling Point:

180°F (82.2°C)

Flash Point:

53°F (11.7°C)

Evaporation Rate (water=

1) : >1

Flammability: N/A

Upper/Lower Explosive limits: 12% UEL, 2% LEL

Vapor Pressure: 43.996 hPa at 20 °C

Vapor Density (air=1) (20°C) : <1

Specific Gravity (Water=1): 0.98

Solubility: Soluble in water

Viscosity: N/A

VOC: 70%

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Extreme heat, sources of ignition (heat, flames and sparks)

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatible Materials: strong oxidizers, strong acids

SECTION 11. TOXICOLOGICAL INFORMATION**Toxicological Data:**

Geraniol	106-24-1	Oral LD50 (rat): 3600 mg/kg Dermal LD50 (rabbit): >5000 mg/kg
Isopropyl Myristate	110-27-0	Oral LD50 (rat): 16,000 mg/kg Dermal LD50 (rabbit): 5,000 mg/kg
Isopropyl Alcohol, 2-Propanol	67-63-0	Oral LD50 (rat): >5,000 mg/kg Dermal LD50 (rabbit): 12,800 mg/kg Inhalation: LC50 (rat): 16,0000 mg/l, 8 hr

Sensitization: May cause an allergic skin reaction. Geraniol: (guinea pig - May cause sensitization by skin contact)

Acute effects: May be harmful if swallowed.

Carcinogenicity: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12. ECOLOGICAL INFORMATION

Harmful to aquatic life. Do not apply directly to waterways. Do not contaminate water when disposing of wash water or rinsate.

Ecotoxicity:

Isopropyl Myristate	110-27-0	LC50: >100 mg/l (fish, 48 hr) EC50: >100 mg/l (Pseudomonas Putida, 16 hr)
Isopropyl Alcohol, 2-Propanol	67-63-0	LC50: >6,000 mg/l (Pimephales promelas, 96 hr)
Geraniol	106-24-1	Algae EC50 Green algae (Desmodesmus 13.1 mg/l, 72 hours subspicatus) Crustacea EC50 Daphnia magna 10.8 mg/l, 48 hours Fish LC50 Danio rerio 22 mg/l, 96 hours

Environmental Fate Data; Persistence/Degradation: No further relevant information available

Soil Mobility: No further relevant information available

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

RCRA Waste code(s): US. EPA Resource Conservation and Recovery Act: (RCRA) D List of Characteristic Hazardous Wastes (40 CFR 261.21-24): D001

SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN Number	UN1993	UN1993	Not classified	Not classified
UN Proper Shipping Name	Flammable Liquids, n.o.s. (Isopropanol)	Flammable Liquids, n.o.s. (Isopropanol)	-	-
Transport Hazard Class	3	3	-	-
Packing Group	II	II	-	-
Environmental Hazards	Toxic to fish and other invertebrates	Toxic to fish and other invertebrates	-	-
Additional Information	*Shipped as ORM-D in non-bulk quantity	*Shipped as ORM-D in non-bulk quantity	-	-

SECTION 15. REGULATORY INFORMATION**US Federal Regulations:**

TSCA (TOXIC SUBSTANCE CONTROL ACT): The ingredients of this product are listed or exempted from listing because of Low Volume Exemption has been granted in accordance with 40 CFR 723.50

SARA 302/304 EMERGENCY PLANNING EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

SARA 311/312: Acute Health: [x] Chronic: [] Fire: [x] Sudden Release of Pressure: [] Reactive: []

SARA 313 (Specific Toxic chemical listings): None

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this SDS, states listed below may have regulations on ingredients contained in this product. Check with your state for additional regulations.

CA Proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986): This product does not contain any Proposition 65 chemicals.

SECTION 16. OTHER INFORMATION

Date of issue/revision: 08/07/2018

Version: 1.2

Date of previous issue: 01/18/2017

This product qualifies for exemption from registration under the FIFRA by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Notice to reader: This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handles or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractor and customers who will use this product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.