

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tiki™ Brand BiteFighter Plug & Repel

Recommended use: Insecticide
Restriction on use: Use only as directed

Manufacturer: Lamplight Farms Inc.
Address: 4900 N. Lilly Road
Menomonee Falls, WI 53051

Telephone: 1-888-473-1088
Emergency Call: Prosar 1-800-308-7141

EPA Registration #: 33025-10

SECTION 2 HAZARDS IDENTIFICATION

OSHA Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

CLASSIFICATION:

Acute Toxicity – Inhalation (Dust/Mists) Category 4
Aspiration toxicity Category 1

LABEL:**Pictogram:**

Signal Word: Danger
Appearance: Clear, colorless
Physical State: Liquid
Odor: Slight - Solvent

Hazard Statements:

Harmful if inhaled.
May be fatal if swallowed and enters airways.

Precautionary Statements:**Prevention:**

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Response:

Specific treatment (See Section 4/First Aid)
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing



SAFETY DATA SHEET

Tiki™ Brand BiteFighter™ Plug & Repel



Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT Induce vomiting

Storage:

Store locked up
Store in a closed container

Disposal:

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	Weight %
Metofluthrin	240494-70-6	4.0
Hydro-treated middle-distillate (Petroleum)	64742-46-7	5 to 10*
Petroleum distillates	64742-47-8	80 to 90

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

SECTION 4 FIRST AID MEASURES

INHALATION

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

SKIN CONTACT

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

EYE CONTACT

Hold eye open and rinse slowly 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.

INGESTION

If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to this person. 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.

NOTE TO PHYSICIAN

Contains petroleum distillates – vomiting may cause aspiration pneumonia
For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is topical application fo

tocopherol acetate (Vitamin E)

SELF-PROTECTION OF THE FIRST RESPONDER:

Use personal protective equipment as required

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	- Personal protection X
<i>Chronic Hazard Star Legend * = Chronic Health Hazard</i>				

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material.

SECTION 7
HANDLING AND STORAGE
Precautions for safe handling
Advice on safe handling:

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. P270 - Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. For more information, see product label.

Conditions for safe storage, including any incompatibilities
Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

SECTION 8
EXPOSURE CONTROLS / PERSONAL PROTECTION
Control parameters
Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Hydro-treated middle-distillate (Petroleum) 64742-46-7	TWA: 5 mg/m ³ Inhalable fraction	TWA: 400 mg/m ³ / 100 ppm TWA: 5 mg/m ³ Mist	-	-
Petroleum distillates, hydrotreated light 64742-47-8	-	-	-	TWA: 100 ppm TWA: 525 mg/m ³

Appropriate engineering controls
Engineering Controls:

Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment
Eye/face protection:

Protective eyewear is recommended, but is not required.

Skin and body protection:

Protective gloves are recommended, but are not required.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:

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

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state: Liquid
Appearance: Clear , colorless
Odor Slight - Solvent
Odor threshold: No information available
Color (Gardner Scale): 1

Property: **Values:**
pH: 5.62
Melting point / freezing point: No information available
Boiling point / boiling range: No information available
Flash point: > 93.3 °C / > 200.0 °F

Comment: • Method
@ 24.0 °C. .

Tag Closed Cup;

Evaporation rate: No information available
Flammability (solid, gas): No information available
Upper flammability limit (UEL): No information available
Lower flammability limit (LEL): No information available
Vapor pressure: No information available
Vapor density: No information available
Specific Gravity: No information available
Water solubility: No information available
Partition coefficient; n-Octanol/ No information available

Water:
Autoignition temperature: No information available
Decomposition temperature: No information available
Kinematic viscosity: No information available
Dynamic viscosity: 4.47 cPs.
Refractive Index: No information available

@ 20.0 °C. .

Other Information:

Density: 0.796 g/cm³ @ 22.4 °C
VOC Content (%): 0

Miscibility/ Solubility:

Water: No information available
Petroleum distillates: Miscible

SECTION 10

STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂).

SECTION 11 TOXICOLOGICAL INFORMATION

Numerical measures of toxicity - Product Information

Oral LD ₅₀	>5,000 mg/kg (rat)
Dermal LD ₅₀	>5,000 mg/kg (rabbit)
Inhalation LC ₅₀	>2.08 mg/L, (rat; 4 hours)
Eye contact:	Minimal eye irritation. (rabbit).
Skin Contact:	Slightly irritating. (rabbit).
Sensitization:	Negative. (guinea pig).
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity:	No information available.
Developmental Toxicity	No information available.
Teratogenicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Chronic toxicity:	Avoid repeated exposure.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects: No information available

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the FPA

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.
Contaminated packaging:	For more information, see product label.

SECTION 14**TRANSPORT INFORMATION**DOT (Department of Transportation)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: This material is not hazardous.

Other Shipping Information: This material is not regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (*i.e.*, less-than 119 Gallons / 450 Liters).
 When shipping in bulk quantities (ie more than 119 Gallons / 450 Liters), please Contact Lamplight Farms Inc. for proper shipping description.

Air (IATA/ ICAO)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: This material is not hazardous.

Vessel (IMO/ IMDG) Not available

SECTION 15**REGULATORY INFORMATION**US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 HazardCategories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations:

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

- Harmful if swallowed.

International:

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

SECTION 16

OTHER INFORMATION

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials.

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