

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: EcoLogic® Lawn & Yard Insect Killer Concentrate₃

Other Means of Identification:

Product Code HG-75025
Formula Number 21-1553
25B Identification No. 72041-25B-58

Recommended Use: Insecticide - Outdoor Insect

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name Liquid Fence Co.
Address PO Box 4006, Bridgeton, MO 63044-0406
Telephone Number 1-800-923-3623

Emergency Telephone Number:

CHEMTREC (800)424-9300
Medical (866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s)	Not classified as a physical hazard
Health Hazard(s)	Skin Sensitizer - Category 1 Aspiration Toxicant - Category 1
Environmental Hazard	Not classified as an environmental hazard

Label Elements:

Hazard Pictogram(s)



Signal Word

Danger

Hazard Statements:

May cause an allergic skin reaction
May be fatal if swallowed and enters airways

Precautionary Statements:

Avoid breathing spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice. Wash contaminated clothing before reuse.
If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.

Hazard(s) not Otherwise Classifies (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Cornmint Oil	n/a	68917-18-0	1.0000
Cinnamon Oil	n/a	8015-91-6	0.7500
Peppermint Oil	n/a	8006-90-4	0.2500
White Mineral Oil	n/a	8042-47-5	15.0000

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact: In case of contact, wash skin with plenty of soap and water for 15 minutes. If skin irritation, rash, or redness develops, seek medical attention.

Eye Contact: In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed: Symptoms of exposure may include vomiting if ingested, skin rash or irritation, irritation of eyes and nose, cough and/or shortness of breath.

Indication of Immediate Medical Attention & Special Treatment Needed: Seek immediate medical attention if product is ingested, or if skin rash or irritation develops.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Treat for surrounding material.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: Products of combustion may include, and are not limited to: oxides of carbon.

Special Protective Equipment and Precautions for Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and Materials for Containment and Cleaning Up: Contain and/or absorb spill with inert material. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE). Scoop up material and place in a disposable container.

Environmental Precautions: Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Do not swallow. Do not get in contact with skin. Wear gloves and long pants/sleeves when using. Avoid breathing mist and eye contact. Handle and open container with care. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
White Mineral Oil	-	TWA 5 (8hr)	-	TWA 5 (8hr)	-	REW TWA 5 (10hr mist) STEL 10 (15min mist)

Appropriate Engineering Controls: Use appropriate ventilation or respiratory protection where thresholds may be exceeded.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required for normal use. Avoid eye contact.

Skin and body protection: Wear protective gloves. Avoid skin contact.

Respiratory protection: None required under normal use conditions.

General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White to off-white emulsion, opaque

Odor: Cinnamon and Mint

Odor Threshold: No data available

pH: 4.75-6.25

Melting / Freezing Point: No data available

Initial boiling point and range:	No data available
Flashpoint:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.962-0.982
Solubility(ies):	Soluble in water
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Heat. Incompatible materials.
Incompatible materials:	None known.
Hazardous decomposition products:	May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be fatal if swallowed and enters airways.
Skin contact:	Can cause allergic skin reactions. May cause skin irritation. Symptoms may include rash, redness, drying, defatting and
Eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>2000 mg/kg	>2000 mg/kg	>5mg/l

Eye Contact: Based on available data, the classification criteria are not met.
Skin Contact: Based on available data, the classification criteria are not met.

Sensitization: This product is a skin sensitizer.

**Chronic Effects-
Carcinogenicity:** None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.

Reproductive Toxicity: Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: This product is an aspiration hazard.

Comment: All information was generated using the GHS classification criteria for mixtures.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is not expected to be harmful to aquatic organisms
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state, /provincial and federal regulations. For more information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT: Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

25B Identification Number: 72041-25B-58

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subjected to certain labeling requirements under the 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. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Hazards to Humans and Domestic Animals

CAUTION. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or repeated skin contact may cause allergic reactions in some individuals.

First Aid: 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 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

If on skin or clothing: 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.

Have the product container with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-923-3623 for emergency medical treatment information.

EPA TSCA Inventory:	All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.
CERCLA Section 103:	There are no components of this product subject to CERCLA Section 103.
SARA Hazard Category (311/312):	See OSHA hazards listed in section 2.
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.
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):	This product does not contain chemicals regulated under California Proposition 65.
Disclaimer:	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

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