

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: EcoLogic® Bed Bug Killer₂

Other Means of Identification:

Product Code HG-75038
Formula Number 21-1570
25B Identification No. 72041-25B-59

Recommended Use: Insecticide - Flea, Tick & Bedbug

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name Liquid Fence Co.
Address PO Box 4406, 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) Flammable Liquid - Category 3
Health Hazard(s) Eye Irritant - Category 2
Skin Sensitizer - Category 1

Label Elements:

Hazard Pictogram(s)



Signal Word

Warning

Hazard Statements:

Flammable liquid and vapor
Causes serious eye irritation
May cause an allergic skin reaction

Precautionary Statements:

Keep away from heat/sparks/open flames / hot surfaces. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Of case of fire: Use CO₂, foam or dry chemical to extinguish. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.

Wash hands thoroughly after handling. Wear eye protection.
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Avoid breathing spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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	0.7500
Lemongrass Oil	n/a	8007-02-1	3.0000
White Mineral Oil	n/a	8042-47-5	5.0000
Isopropyl Alcohol	n/a	67-63-0	12.0000

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a

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 water for 15 minutes. If skin rash, irritation or redness develops, seek medical attention/advice.

Eye Contact: In case of contact, flush eyes with plenty of water for 15 minutes. 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. Get medical advice/attention.

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

Indication of Immediate Medical Attention & Special Treatment Needed: Seek immediate medical attention if skin rash/irritation or eye irritation persists.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon Dioxide, dry chemical or foam
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 get on skin or in eyes. Avoid breathing spray and vapors. Do not swallow. 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). Store in a well ventilated place. Keep cool.

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)
Isopropyl Alcohol	TWA 400	TWA 980	STEL 400 TWA 200	-	-	-

Appropriate Engineering Controls: When exposure thresholds may be exceeded use appropriate ventilation or respirators.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection:	Wear eye protection. Avoid eye contact. Wear protective gloves, long pants and sleeves. Avoid skin contact.
Skin and body protection:	
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.):	Opaque, pale yellow to milky white
Odor:	Lemon and Mint
Odor Threshold:	No data available
pH:	4.75-6.75
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:	0.959-0.979
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, sparks, open flames/hot surfaces. 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 harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact: Can cause allergic skin reaction. May cause skin irritation. Symptoms may include rash, redness, drying, defatting and cracking of the skin.
Eye contact: Cause serious 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: This product in an eye irritant.
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: Based on available data, the classification criteria are not met.

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

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is classified as Aquatic Chronic 3 per the GHS classification criteria for mixtures.
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 - Due to exemption 49CFR173.150(e)(1&2)

IATA:

For quantities ≤ 5L ship as:

UN1993 Flammable Liquid, n.o.s (Isopropanol), Limited Quantity, 3, III

For quantities >5L ship as:

UN1993 Flammable Liquid, n.o.s (Isopropanol), 3, III

IMDG:

For quantities ≤ 5L ship as:

UN1993 Flammable Liquid, n.o.s (Isopropanol), Limited Quantity, 3, III

For quantities >5L ship as:

UN1993 Flammable Liquid, n.o.s (Isopropanol), 3, III

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

25B Identification Number: 72041-25B-59

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

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. 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 eyes 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 and container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment advice.

PHYSICAL OR CHEMICAL HAZARDS: Combustible. Do not use or store near heat or open flame.

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:	Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.
SARA Hazard Category	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

Issue date: July 11, 2018
Revision date: July 11, 2018
Version number: 1.0, Initial