

SAFETY DATA SHEET

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SDS PREP DATE: 10/19/2017
SDS REVISION DATE: 10/19/2017

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

SECTION 1: Product and Company Identification

Product ID: LIQUID VERSION
Product Name: BED BUG & FLEA EXTERMINATOR & REPELLENT
Company Name: FREEDOM ORGANICIDES, LLC.
P.O. BOX 1701
SHINGLE SPRINGS, CA 95682
Phone Number: (530) 677-2111
Emergency Contact: INFOTRAC (800) 535-5053
Intended Use: INSECT REPELLANT

SECTION 2: Hazard(s) Identification

Acute Toxicity – Oral – Level 4
Acute Toxicity – Inhalation – Level 5
Eye Damage/Irritation – Level 2B
Aspiration hazard – Level 2



GHS Signal Word: WARNING
GHS Hazard Phrases: May be harmful or fatal if swallowed and enters airway.
Causes skin and eye irritation.
GHS Precaution Phrases: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
GHS Response Phrases: IF ON SKIN: Gently wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, before rinsing eyes.
GHS Storage and Disposal Phrases: Dispose of contents and container according to the local, city, state and federal regulations

Potential Health Effects (Acute and Chronic):

Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: Can cause severe eye irritation.
Ingestion: Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and

diarrhea. Can be fatal if swallowed and enters airway.

SECTION 3: Product Composition

Ingredient	CAS#	% Range	PEL	TLV
PETROLEUM HYDROCARBON BASE	64742-54-7	80% - 95%	* 5 ppm	* 10 ppm
UNSATURATED FATTY ACIDS	61788-66-7	3% - 7%	N/E	N/E
CITRONELLA OIL	8000-29-1	PROPRIETARY	N/E	N/E
CEDARWOOD OIL	8000-27-9	PROPRIETARY	N/E	N/E
CASTOR OIL	8001-79-4	PROPRIETARY	N/E	N/E

*when mist is generated

SECTION 4: First-Aid Measures

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easily done. Continue rinsing. .If eye irritation persists: Get medical advice/attention.

Threshold Limit Value: See Section III

Effects Of Over Exposure: Irritation to skin and eyes.

EMERGENCY FIRST AID PROCEDURES:

SKIN: Wash with soap and water.

EYE: Flush with water for at least 15 minutes.

INHALATION: Remove to fresh air. See a physician if irritation persist.

ORAL: Call a physician. Do not induce vomiting.

ADDITIONAL: Contact with eyes will be painful and irritating. Prolonged or repeated contact with skin may cause irritation. Mist caused by manufacturing operations may irritate the nasal passages.

SECTION 5: Fire-Fighting Measures

Fire & Explosions Hazards: Keep containers cool. Use equipment or shielding required to protect personnel against bursting, rupturing, venting containers.

Fire Fighting Equipment: At elevated temperatures (above 120 F) containers may vent, rupture, or burst.

Extinguishing Media: Foam Dry Chemical, Carbon Dioxide.

Section 6: Accidental Release Measures

Spill Procedures: Pick up free material for recycle/disposal.

Waste Disposal: Disposal should be in compliance with Federal, State and local laws.

Section 7: Handling and Storage

Precautions to be taken in Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep out of reach of children.

Precautions to be taken in Storing: Store in a cool, dry, well ventilated area away from incompatible Substances. Avoid release to the environment.

OTHER PROTECTION: None

SECTION 8: Exposure Control / Personal Protection

Wash hands and exposed areas thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

VENTILATION PROCEDURE: Use with adequate ventilation.

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GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended

RESPIRATORY PROTECTION: When applicable, wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use.

EYE PROTECTION: Safety glasses.

OTHER PROTECTION: None

SECTION 9: Product Properties

Flash Point (CCP): > 200 F

Boiling Point for Product: > 212 F

Vapor Pressure for Product: ND

Vapor Density for Product: > 1.0

Specific Gravity: 0.86

V.O.C.: < 15% by weight

Water Solubility: Nil

Appearance: Aerosol Spray with a Citronella Scent

PH: N/A

SECTION 10: Stability and Reactivity

INCOMPATIBILITY: Strong Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide, Hydrogen Sulfide, Nitrous Oxides and Ammoniacal Vapors.

POLYMERIZATION: Will not occur.

SECTION 11: Toxicological Information

Toxicity to Animals

Ingredient Name CAS Number Test Result (Route Species, etc.)

CITRONELLA 8000-29-1

Acute Oral Toxicity LD50 (rat): > 5000 mg/kg

Acute Dermal Toxicity LD50 (Rabbit): > 4700 mg/kg

UNSATURATED FATTY ACIDS 61788-66-7

Acute Oral Toxicity: LD50 (rat) > 25,000 mg/kg

PETROLEUM HYDROCARBON BASE 64742-54-7

No Harmful effects determined

Acute Effects Eyes Moderately irritating to the eyes.

SECTION 12: Ecological Information

Ecotoxicity: Amount of ingredients used do not trigger toxicity classifications under GHS classification and labeling requirements.

Aquatic: No data available on finished formulation

Terrestrial: No data available on finished formulation

Persistence and Degradability: Readily biodegradable based on biodegradation profile of ingredients.

Bioaccumulative Potential: No data available.

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Mobility in Soil: No data available

SECTION 13: Disposal Information

Dispose of contents/container in accordance with local regulations

Waste Disposal Method: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

SECTION 14: Transportation Information

DOT Proper Shipping Name: NOT REGULATED

SECTION 15: Regulatory Information

Product complies with Federal regulations governing 25b natural pesticides

State of California SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.
IN ACCORDANCE WITH PROP 65, THIS PRODUCT **DOES NOT** CONTAIN ANY CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

US patent No. 9,089,141 B2

If applicable, IARC, NTP and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*"

SECTION 16: Other Information

HMIS Classification	Health Hazard:	1	NFPA Rating:	Health Hazard:	1
	Flammability:	1		Fire:	1
	Physical Hazards:	0		Reactivity Hazard:	0

Additional Information about this product: PPE A Safety Goggles

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion