



# MATERIAL SAFETY DATA SHEET



## SECTION 1: Product And Company Identification

**Product Name:** Bed Bug Blaster **Emergency Contact:** (888) 564-3204  
**Product ID#:** BBB-1 **Bio-based Plant 25(b) / Insecticide / Pest Control**  
**Company:** Ultimate Solutions 31 Columbus Ave Englewood, NJ 07631  
**General Information:** (888) 564-3204 www.ultimatesolutionsinc.net **Fax Number:** (201) 568-1977

## Section 2: Composition / Information on Ingredients

Component	CAS #	LD50# (oral rat)	Active/Inactive	%wt
Sodium Lauryl Sulfate	151-21-3	1288 mg/kg	Active	18%
Lemongrass Oil	2007-02-1	NE	Active	1.3%
Clove Oil	8000-34-8	3720 mg/kg	Active	.75%
Thyme Oil	8007-46-3	2840 mg/kg	Active	1%
Cedar Oil	8000-27-9	5 mg/kg	Active	.89%
Peppermint Oil	8006-90-4	2426 mg/kg	Active	1%
Rosemary Oil	8000-25-7	5000 mg/kg	Active	.55%
Sodium Chloride	2657-00-3	N/E	Active	.75%
Garlic Oil	8000-78-0	850 mg/kg	Active	.50%
Vinegar 8% solution	8028-52-2	3310 mg/kg	Inactive	75.26%
Filtered Water	7732-18-5	>99,999 ml/kg	Inactive	
Palm Oil	8002-75-3	NE		

## Section 3: Hazards Identification

**Appearance and Odor:** Slightly Faint Odor, Clear Opaque Liquid

No Known Hazards. As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

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## Potential Health Effects:

See section 11 for toxicology and carcinogenicity on Product Ingredients.

Eyes: No evidence of Adverse effect Skin and Skin Absorption: No evidence of Adverse effect  
 Inhalation: No evidence of Adverse effect Potential Health Effects: No evidence of Adverse effect  
 Ingestion: No evidence of Adverse effect Chronic Effects: No evidence of Adverse effect  
 Medical Conditions Aggravated by Exposure: None Known

## Section 4: First Aid Measures

EYES: No Evidence of Adverse Effects SKIN & SKIN ABSORPTION: No Evidence of Adverse Effects  
 INHALATION: No Evidence of Adverse Effects POTENTIAL HEALTH EFFECTS: No Evidence of Adverse Effects  
 INGESTION: No Evidence of Adverse Effects CHRONIC EFFECTS: No Evidence of Adverse Effects  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Known NOTE TO PHYSICIANS: No Specific Instructions

See Section 11 for Toxicology and Carcinogenicity information on product ingredients

## Section 5: Fire Fighting Measures

**Flash Point:** None (TCC) **Autoignition Temperature:** NE **Explosion Sensitivity to Static Discharge:** None  
**UEL:** NA **Explosion Sensitivity to Impact:** None **Products of Combustion:** None  
**LEL:** NA **Protection to Firefighters:** No special Precautions needed.

Suitable Extinguishing Media: This Material will not burn. Use extinguishing media appropriate for surrounding fire.

## Section 6: Accidental Release Measures

**Personal Precautions:** Evacuate the Area as the floor may be slippery. Use care to prevent Slips and Falls.  
**Methods for Containment and Cleanup:** Rinse area thoroughly with water. This product is safe to wash into waste systems.

## Section 7: Handling and Storage

**Handling procedures:** No Special procedures needed.  
**Storage Procedures:** Store in a cool, well ventilated area. Avoid low temperatures.

## Section 8: Exposure Controls / Personal Protection

Component	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	Source
Filtered Water	NE	NE	NE	NE	NA	NA
Plant Extracts	NE	NE	NE	NE	NE	NA

All other components have Vacated values for exposure or hazard due to denaturing when added to the proprietary base compound

NE=Not Established C= Ceiling S=Skin V= Vacated

## Section 9: Physical and Chemical Properties

**Physical State:** Liquid **Freezing Point:** 25° F  
**Specific gravity:** 1.001 **Color:** Clear **Evaporation Rate:** NE  
**Initial Boiling Point:** 214° F **Odor:** Faint Odor **Vapor Density:** NE  
**Solubility in Water:** Complete **pH:** 8.8 **Vapor Pressure:** NE

**Volatile Organic Compounds:** VOC levels of DDC by weight of the cleaner do not exceed 10% in accordance with 40 CFR parts 9 and 59  
 Estimated tested amount per product = <1mm/Hg

## Section 10: Stability and Reactivity

**Stability:** Stable **Incompatible Materials:** None Known **Conditions to avoid:** None **Hazardous decomposition Products:** None

## Section 11: Toxicological Information

**Irritancy of Product:** None **ACGIH (A1, A2 or A3):** None **Acute Exposure Effects:** None  
**IARC Monographs:** None **OSHA Regulated:** No **Embryotoxicity:** None **Mutagenicity:** None **Chronic Effects:** None **Teratogenicity:** None  
**Skin Sensitization:** None **Respiratory Sensitization:** None **Reproductive Toxicity:** None **Name of Synergistic Product or Effect:** None

**Carcinogenicity:** This Product does not contain any known or suspected human carcinogens

## Section 12: Ecological Information

**Ecotoxicity / Aquatic Toxicity:** None **Persistence / Degradability:** Readily Biodegradable

## Section 13: Disposal Considerations

Chemicals contained are not listed as hazardous waste. Safe to wash into waste systems.  
 Always dispose as per Federal, State or local regulations.

## Section 14: Transport Information

**Proper Shipping Description:** US DOT: None **PIN:** None **TDG:** None **Special Provisions:** None

## Section 15: Regulatory Information-U.S. Federal

**Toxic Substance Control Act:** All ingredients are exempt.  
**Comprehensive Environmental Response, Compensation and Liability Act (CIRCLA):** Reportable Quantities (RQ's) for the following Ingredients: None  
 Spills of any ingredient at or above the RQ level require an immediate notification of the National Response Center (800)424-8802 and Local Agencies  
**Superfund Amendments Reauthorization ACT (SARA) Title III Section 302 Extremely Hazardous Substances (EHS):** None **Other Regulatory Info.:** None  
 This product contains the following substances subject to SARA reporting (sections 311, 312 and 313) and 40 CFR part 372: None  
**State regulations:** This product contains NO harmful ingredients under California Prop 65 Safe drinking water and Toxic Enforcement Act: None

## State Right To Know

**Massachusetts:** None **New Jersey:** None **Pennsylvania:** None **Rhode Island:** None **Clean Air Act:** None

## Section 16: Other Information

**(HMIS) Health: 0 Flammability: 0 Reactivity: None PPE: None**

**Hazard Rating:** 0-Extrem 4-Extreme  
 3-High  
 2-Moderate  
 1-Slight  
 0-Insignificant

**Flammability Rating**  
**Health Hazard Rating**  
**Reactivity Rating**  
**Special**

**Keys to abbreviations:** TCC: Tags Closed Cup NE: Not Established  
 ppm: Parts per Million mg: Milligram  
 TLV: Threshold limit Value ml: Milliliter  
 TWA: Time Weighted Average kg: Kilogram  
 lbs. / gal: Pounds per Gallon gr: Gram  
 STEL: Short Term Exposure Limit k: 1000  
 PEL: Permissible Exposure Limit

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