

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bed Bug MACE

PRODUCT FORM: Liquid

GENERAL USE: Insect Repellent & Killer

PRODUCT DESCRIPTION: Milky-white liquid w/ fragrant odor

CHEMICAL FAMILY: Bio-insecticide

MANUFACTURER: Nature's MACE

EPA Company #103527

267 Main Street, Blakely, PA 18447

Telephone: 1.800.760.0544

Company Emergency Phone: 570.307.1800

SECTION 2. HAZARDOUS INGREDIENTS

EMERGENCY OVERVIEW: Ingestion may cause some gastric and/or intestinal distress. May cause mild irritation to eyes. Irritation to the skin may occur - primarily from prolonged or repeated exposures. Product has low overall toxicity. Product is safe for use near bodies of water when used as directed. Nature's MACE represents that this product qualifies for exemption from registration under FIFRA 25(b).

ROUTES OF ENTRY: Eyes, Ingestion, Skin, Inhalation.

SIGNS & SYMPTOMS OF EXPOSURE: Possible eye or skin irritation, digestive or respiratory tract irritation.

EXPOSURE CONTROLS/PERSONAL PROTECTION

P280 - Wear eye protection, protective clothing, protective gloves.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P304 - If Inhaled: Remove person to fresh air.

P305+P351-P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuing rinsing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

Sara Title III; Sec. 311/312 Hazard Categories: Immediate (Acute) Health: Yes Reactivity: No Fire: No

Immediate (Acute) Health: 1 Reactivity: 0 Sudden Release of Pressure: No Fire: 0 Delayed (Chronic) Health: No

SEC. 301: Not applicable

CERCLA: Not applicable

SEC. 313: Not applicable

SEC. 304: Not applicable

CA: Not applicable

TSCA: Not applicable

The ingredients in this product are not considered hazardous under OSHA Communications Standard 29CFR 1910.1200 and are not subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act (40 CFR Part 372).

SECTION 3. COMPOSITION, INFORMATION ON INGREDIENTS

READY TO USE

Ingredients	Product Identifier	Percent	Product Classification
Geraniol	CAS# 106-24-1	1.25%	Non-hazardous
Clove Oil	CAS# 8000-34-8	1.25%	Non-hazardous
Cedarwood Oil	CAS# 68990-83-0	0.75%	Non-hazardous
Lemongrass Oil	CAS# 8007-02-1	0.75%	Non-hazardous
Sodium Lauryl Sulfate	CAS# 151-21-3	0.12%	Non-hazardous
Inert Ingredients	N/A	QS*	Non-hazardous *Quantum satis

The chemical products containing active and inert ingredients are considered minimum risk and are registered under Section 25(b) of FIFRA and have not been registered with the EPA. This Safety Data Sheet is prepared with the United States OSHA Hazard Communication Standard (29 CFR 1910.1200) and are considered trade secrets under US Federal Law (29CFR and 40CFR).

SECTION 4. FIRST AID MEASURES

EYES: Flush with water for 10 to 15 minutes. Get medical attention if irritation develops or persists.

SKIN: Wash with soap & water. Get medical attention if irritation develops or persists.

INGESTION: Dilute with water. DO NOT induce vomiting. **Note to physician:** Product has low oral toxicity; treatment should be supportive. Gastric Lavage with activated charcoal is acceptable treatment when large quantities of product are ingested.

INHALATION: Remove to fresh air.

SECTION 5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: NFPA 704 Rating: Health (1) slight • Reactivity (0) minimal • Product is combustible under fire conditions. Products of combustion include compounds of carbon, hydrogen, nitrogen sulfur and oxygen, including Carbon Monoxide.

ADVICE FOR FIREFIGHTERS: Wear SCBA when fighting fires involving any chemical product. Use media appropriate for surrounding materials. Individual containers may rupture under fire conditions. Extinguish by water fog, carbon dioxide and dry chemical.

SECTION 6: ACCIDENTAL RELEASE MEASURES

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: For small spills, wipe up with towel. Wash area with soap and water. For large spills, soak up with approved absorbent (clay or diatomaceous earth is a good choice) and discard.

SECTION 7: HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene & safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

CONDITIONS FOR SAFE STORAGE: Keep container closed when not in use. Store in a cool, dry & well-ventilated area avoiding direct sunlight. Avoid extreme temperatures. Keep this & all lawn and garden products out of reach of children & animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Protective glasses advisable though not required. Wash hands after use with soap and water. When using product, do not eat, drink or smoke. Respiratory Protection is not required during normal use; wear self-contained breathing apparatus for firefighting.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	DECOMPOSITION TEMPERATURE	No data available	
APPEARANCE	Clear when sprayed	RELATIVE EVAPORATION RATE	7 To 10 days	No additional information available
COLOR	Milky-white	DRYING TIME RATE	5 To 10 Minutes	
ODOR	Smell of oils	SOLUBILITY	Miscible	
ODOR THRESHOLD	Strongest when applied	FLASH POINT	>100°C (212°F) estimated	

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use. Avoid extreme temperatures, direct sunlight, keep from freezing.

INCOMPATIBLE MATERIALS: Water-reactive products, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Product may degrade into alcohol/organic acid mixture under direct sunlight for extended periods.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None related to hazardous polymerization.

SECTION 11. TOXICOLOGICAL INFORMATION / COMPLETE PRODUCT

INFORMATION ON TOXICOLOGICAL EFFECTS: To our knowledge, ingredients not found on OSHA, NTP or IARC lists of carcinogenic chemicals.

ORAL LD50: Product is likely to be gastro-intestinal irritant.

DERMAL LD50: None known - Product may be slightly irritating by contact with skin.

INHALATION LC50: None known - Product may be a mild irritant to the respiratory tract.

IRRITATION: Probable irritant to eyes; possible irritant to skin and respiratory tract.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY, PERSISTENCE & DEGRADABILITY: Keep out of water. Not established.

MOBILITY IN SOIL: Readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Not established.

Based on the chemical composition of this product, it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOMMENDATIONS: Product is classified as non-hazardous. Follow state and local regulations. Be certain container is completely empty before disposal.

SECTION 14. TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION: Not regulated. **REFERENCE:** 49 CFR 170-177

SECTION 15. REGULATORY INFORMATION

Nature's Mace represents that this product is exempt from EPA registration under Section 25 (b) of FIFRA and has not been registered by the EPA.

SECTION 16. OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communications Standard 29 CFR 1910.1200.