



SAFETY DATA SHEET

EcoBarrier Prevention and EcoBarrier Eliminator

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: EcoBarrier Prevention and EcoBarrier Eliminator
Ingredients: DEFINITION/BOTANICAL ORIGIN: Blend of Essential Oil/Plant Extracts emulsion in water.
Essential Oil /Plant extracts are Geranium oil, Peppermint Oil & Castor Oil.
Trade Names INCI Name: Natural Insecticide for Bedbug Control

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Water based bedbug control Spray.

Details of the supplier of the safety data sheet

Vama, Inc.
1900 S. Norfolk St. Suite, 350
San Mateo, CA 94043
Contact Person: Ankur Jain

Emergency telephone number:

(650) 539-5540

General Information Contact:

(650) 539-5540 Office Hours are 9-5 weekdays only

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

See product label for all precautionary statements:

Keep out of reach of children.
Keep out of reach of animals.
Avoid contact with eyes and skin
Avoid inhalation of spray mist
Wash hands thoroughly after use

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Special: none

Label elements:

Hazard Statement: The ingredients in this product are not considered hazardous under OSHA Hazardous Communications Standard 29CFR 1910.1200
This product only contains 100% EPA exempt ingredients. This product is exempt from Federal EPA registration under section 25(b) of FIFRA and as such is not registered with the Environmental Protection Agency.

Contains: Castor Oil, Geranium Oil, Peppermint Oil, and Water



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

POTENTIAL HEALTH EFFECTS:

EYES: Not expected, but may cause mild irritation on prolonged exposure.
SKIN: Not expected, but may cause mild irritation on prolonged exposure.
INHALATION: No evidence of adverse effect from available information.
INGESTION: Not expected, but swallowing large quantity may cause nausea and vomiting.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

	CAS No	% by Weight
Castor Oil	8001-79-4	1 - 7.5
Peppermint Oil	8006-90-4	0.58 - 4.35
Geranium Oil	8000-46-2	0.42 - 3.15
Water	7732-18-5	85 - 98

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water for at least 15 minutes. If irritation persists seek medical attention.
SKIN: Wash thoroughly with soap and water. If irritation persists seek medical attention.
INHALATION: Remove to fresh air and seek medical attention if required.
INGESTION: DO NOT induce vomiting. Seek medical attention if required.



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SECTION 5: FIREFIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NONE
(% BY VOLUME) LOWER: NONE

FLASH POINT: NONE

EXTINGUISHING MEDIA: Use foam, carbon dioxide, or dry chemical fire extinguishers, or other extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: Treat as non-flammable water solution, wear self-contained breathing apparatus

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP: If spilled, absorb the liquid with an inert absorbent material and dispose of the empty container and absorbent material in accordance with local ordinances. Components of this product are exempt from EPA regulations and are not considered EPA hazardous waste.

Large spills can be absorbed into suitable materials for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: As with any all natural essential oil products, keep out of reach of children and animals. Prevent from freezing for excessive heat temperatures. Avoid any contact with eyes or ingestion.

STORAGE: Store at room temperature or general storage. Avoid excessive heat. Preferably in dry place and in sealed containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate ventilation and local exhaust is generally adequate.

RESPIRATORY PROTECTION: Normally not required.

EYE PROTECTION: Normally not required. Safety glasses are recommended during volumetric treatments.

SKIN PROTECTION: Normally not required. Gloves are recommended for prolonged use.

EXPOSURE GUIDELINES: Contains no substances with OCCUPATIONAL EXPOSURE LIMIT VALUES.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Light milky-white opaque liquid solution
ODOR:	Natural scent
BOILING POINT:	ND
MELTING POINT:	ND
FREEZING POINT:	ND
VAPOR PRESSURE (mmHg):	ND
VAPOR DENSITY (AIR = 1):	ND
SPECIFIC GRAVITY (H ₂ O = 1):	0.98 – 1.02
EVAPORATION RATE:	ND
SOLUBILITY IN WATER:	Soluble
PERCENT SOLIDS BY WEIGHT:	NA
PERCENT VOLATILE:	NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY (MATERIAL TO AVOID):	None Known
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	None Known
HAZARDOUS POLYMERIZATION:	None Known

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:	R LD50 >5000 mg/kg
ACUTE DERMAL TOXICITY:	Rabbit LD50 >2000 mg/kg
SKIN IRRITATION:	Non-irritant (Rabbit)
EYE IRRITATION:	Non-irritant (Rabbit)



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SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: Not classified as hazardous to environment and aquatic.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE INFORMATION Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream
Code: None.
Classification: Non-hazardous waste

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN number	Proper shipping name	Classes	Packing Group	Label
DOT Classification	Not regulated	-	-	-	
TDG Classification	Not regulated	-	-	-	

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

Clean Water Act (CWA) 307:	No products were found.
Clean Water Act (CWA) 311:	No products were found.
Clean Air Act (CAA) 112 regulated toxic substances:	No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NO RQ's are listed



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SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

ACUTE HEALTH: NO CHRONIC HEALTH: NO
FIRE: NO REACTIVITY: NO
311/312 HAZARD CATEGORIES: ND
313 REPORTABLE INGREDIENTS: None Reportable

SECTION 16: OTHER INFORMATION

Issued by	Regulatory Manager
Revision Date	5/20//2015
Revision	2

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