

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **ERADICATOR Natural Bed Bug & Dust Mite Spray**

Other means of identification

Synonyms *None*

Recommended use of the chemical and restrictions on use

Recommended Use *Pest Control - Non-Aerosol*

Uses advised against *No information available*

Details of the supplier of the safety data sheet

Supplier Name *VisionBay, LLC*
Supplier Address *1701 OAKBROOK DR
SUITE G
NORCROSS
GA
30093
US*
Supplier Phone Number *Phone:770-841-1708
Fax:678-382-6287
Contact Phone678-382-6288*
Supplier Email *jvhoey@visionbay.net*
Emergency telephone number

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<i>Skin corrosion/irritation</i>	<i>Category 2</i>
<i>Serious eye damage/eye irritation</i>	<i>Category 2A</i>



GHS Label elements, including precautionary statements**Emergency Overview**

Signal word	Warning		
Hazard Statements <i>Causes skin irritation</i> <i>Causes serious eye irritation</i>			
			
Appearance <i>Clear to slightly cloudy</i>	Physical State <i>Liquid</i>	Odor <i>Vinegar-like</i>	

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Wear eye/face protection

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

Eyes

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

Skin

IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

2% of the mixture consists of ingredient(s) of unknown toxicity

Other information

No information available

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetic acid	64-19-7	1 - 5	*
Sodium lauryl sulfate	151-21-3	1 - 5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret*

4. FIRST AID MEASURES

First aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects *Burning sensation.*

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.



5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Uniform Fire Code *Irritant: Liquid*

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact *No.*

Sensitivity to Static Discharge *No.*

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions *Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.*

Other Information *Refer to protective measures listed in Sections 7 and 8.*

Environmental Precautions

Environmental Precautions *Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.*

Methods and material for containment and cleaning up

Methods for Containment *Prevent further leakage or spillage if safe to do so.*

Methods for cleaning up *Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.*

7. HANDLING AND STORAGE

Precautions for safe handling

Handling *Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.*

Conditions for safe storage, including any incompatibilities

Storage *Keep containers tightly closed in a dry, cool and well-ventilated place.*

Incompatible Products *Strong acids. Strong oxidizing agents. Strong bases.*

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetic acid 64-19-7	STEL = 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m ³	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m ³ STEL: 15 ppm STEL: 37 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines *Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters*

Appropriate engineering controls

Engineering Measures *Showers
Eyewash stations
Ventilation systems*

Individual protection measures, such as personal protective equipment

Eye/Face Protection *Wear safety glasses with side shields (or goggles).*

Skin and Body Protection *Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.*

Respiratory Protection *No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.*

Hygiene Measures *Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.*

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical and Chemical Properties

Physical State	<i>Liquid</i>	Odor	<i>Vinegar-like</i>
Appearance	<i>Clear to slightly cloudy</i>	Odor Threshold	<i>No information available</i>
Color	<i>No information available</i>		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	3	<i>None known</i>
Melting / freezing point	<i>No data available</i>	<i>None known</i>
Boiling point / boiling range	<i>No data available</i>	<i>None known</i>
Flash Point	<i>5001 C / 9034 F</i>	<i>None known</i>
Evaporation Rate	<i>No data available</i>	<i>None known</i>
Flammability (solid, gas)	<i>No data available</i>	<i>None known</i>
Flammability Limit in Air		
Upper flammability limit	<i>No data available</i>	
Lower flammability limit	<i>No data available</i>	
Vapor pressure	<i>No data available</i>	<i>None known</i>
Vapor density	<i>No data available</i>	<i>None known</i>
Specific Gravity	<i>No data available</i>	<i>None known</i>
Water Solubility	<i>Soluble in water</i>	<i>None known</i>
Solubility in other solvents	<i>No data available</i>	<i>None known</i>
Partition coefficient: n-octanol/water	<i>No data available</i>	<i>None known</i>
Autoignition temperature	<i>No data available</i>	<i>None known</i>
Decomposition temperature	<i>No data available</i>	<i>None known</i>
Kinematic viscosity	<i>No data available</i>	<i>None known</i>
Dynamic viscosity	<i>No data available</i>	<i>None known</i>
Explosive properties	<i>No data available</i>	
Oxidizing Properties	<i>No data available</i>	

Other Information

Softening Point	<i>No data available</i>
VOC Content (%)	<i>No data available</i>
Particle Size	<i>No data available</i>
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	<i>Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.</i>
Eye Contact	<i>Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.</i>
Skin Contact	<i>Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.</i>
Ingestion	<i>Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.</i>

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetic acid 64-19-7	= 3310 mg/kg (Rat)	= 1060 µL/kg (Rabbit)	= 11.4 mg/L (Rat) 4 h
Sodium lauryl sulfate 151-21-3	= 1288 mg/kg (Rat)	= 580 mg/kg (Rabbit)	> 3900 mg/m ³ (Rat) 1 h

Information on toxicological effects

Symptoms *Erythema (skin redness). May cause redness and tearing of the eyes.*

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization *No information available.*

Mutagenic Effects *No information available.*

Carcinogenicity *Contains no ingredient listed as a carcinogen.*

Reproductive Toxicity *No information available.*

STOT - single exposure *No information available.*

STOT - repeated exposure *No information available.*

Chronic Toxicity *No known effect based on information supplied.*

Target Organ Effects *Respiratory system. Eyes. Skin.*

Aspiration Hazard *No information available.*

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
56,784.00 mg/kg

ATEmix (dermal)
31,638.00 mg/kg (ATE)

ATEmix (inhalation-dust/mist)
570.00 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Acetic acid 64-19-7		96h LC50: = 79 mg/L (Pimephales promelas) 96h LC50: = 75 mg/L (Lepomis macrochirus)	EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min EC50 = 8.8 mg/L 5 min	48h EC50: = 65 mg/L 24h EC50: = 47 mg/L
Sodium lauryl sulfate 151-21-3	96h EC50: 30 - 100 mg/L (Desmodesmus subspicatus) 96h EC50: = 117 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 53 mg/L (Desmodesmus subspicatus)	96h LC50: 8 - 12.5 mg/L (Pimephales promelas) 96h LC50: 22.1 - 22.8 mg/L (Pimephales promelas) 96h LC50: 4.3 - 8.5 mg/L (Oncorhynchus mykiss) 96h LC50: 15 - 18.9 mg/L (Pimephales promelas) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: = 7.97 mg/L (Brachydanio rerio) 96h LC50: = 4.62 mg/L (Oncorhynchus mykiss) 96h LC50: 9.9 - 20.1 mg/L (Brachydanio rerio) 96h LC50: 4.06 - 5.75 mg/L (Lepomis macrochirus) 96h LC50: 4.2 - 4.8 mg/L (Lepomis macrochirus) 96h LC50: 5.8 - 7.5 mg/L (Pimephales promelas) 96h LC50: = 4.5 mg/L (Lepomis macrochirus) 96h LC50: 10.2 - 22.5 mg/L (Pimephales promelas) 96h LC50: 6.2 - 9.6 mg/L (Pimephales promelas) 96h LC50: 13.5 - 18.3 mg/L (Poecilia reticulata) 96h LC50: 10.8 - 16.6 mg/L (Poecilia reticulata) 96h LC50: = 1.31 mg/L (Cyprinus carpio)	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	48h EC50: = 1.8 mg/L

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Chemical Name	Log Pow
Acetic acid 64-19-7	-0.31
Sodium lauryl sulfate 151-21-3	1.6

Other adverse effects

No information available.



13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods *This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.*

Contaminated Packaging *Dispose of contents/containers in accordance with local regulations.*

California Hazardous Waste Codes 232

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
<i>Acetic acid 64-19-7</i>	<i>Toxic Corrosive Ignitable</i>

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name *NOT REGULATED*
Hazard Class *NON REGULATED*
N/A

TDG *Not regulated*

MEX *Not regulated*

ICAO *Not regulated*

IATA
Proper Shipping Name *Not regulated*
Hazard Class *NON REGULATED*
N/A

IMDG/IMO
Hazard Class *Not regulated*
N/A

RID *Not regulated*

ADR *Not regulated*

ADN *Not regulated*

15. REGULATORY INFORMATION

International Inventories

TSCA *Complies*
DSL *All components are listed either on the DSL or NDSL.*



TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

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

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Acetic acid 64-19-7	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Acetic acid 64-19-7	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Acetic acid 64-19-7	X	X	X	X	

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Acetic acid 64-19-7 (1 - 5)		Mexico: TWA 10 ppm Mexico: TWA 25 mg/m ³ Mexico: STEL 15 ppm Mexico: STEL 37 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada



WHMIS Hazard Class
D2B - Toxic materials



16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards	-
HMIS	Health Hazards	2	Flammability	0	Physical Hazard	0	Personal Protection	X

Prepared By *Product Stewardship*
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Note *No information available*

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet