


Safety Data Sheet

SDS Name: Mating Disruption Dispenser of *Lobesia botrana*

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Identifiers Product Name: Mating Disruption Dispenser of <i>Lobesia botrana</i> Product Number: M004 Brand Name: FEROMATE™ Other Information: N/A	*For use in Chile & Pakistan only
1.2	Relevant identified uses of the substance or mixture and uses advised against Recommended Usage: For Agricultural Use Only	
1.3	Details of the supplier/manufacturer Company: Pherobio Yangling Xianglin Co., Ltd Address: Binhe Road, Yangling, Shaanxi Province, PRC Telephone: +86 29-87046799	
1.4	Emergency Contact Emergency Telephone: +86 29-87046799	

SECTION 2 - HAZARD INFORMATION

2.1	Classification of the substance or mixture The substance(s) does not meet the criteria for classification.
2.2	Label elements Pictogram: <div style="text-align: center;"></div> Signal Word: Warning Hazard Statement(s): May causes eye irritation. Precautionary Statement(s): ALWAYS wear protective gloves. ALWAYS wash hands after handling. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store locked up. Dispose of contents/container in accordance with local/ regional/ national/ international regulations. Supplemental Hazard Statements: N/A
2.3	Other hazards No further relevant information available.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substance or mixture												
	<table border="1"> <thead> <tr> <th>Component(s)</th> <th>Classification</th> <th>Concentration %</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>e,z-7,9-DODECADIEN-1-YL ACETATE CAS: 54364-62-4</td> <td>Not Classified</td> <td>8.65%</td> <td>Active ingredient</td> </tr> <tr> <td>Other Ingredients</td> <td>Not Classified</td> <td>91.35%</td> <td>-</td> </tr> </tbody> </table> <p>For the full text of the H-Statements mentioned in this Section, see Section 16.</p>	Component(s)	Classification	Concentration %	Remarks	e,z-7,9-DODECADIEN-1-YL ACETATE CAS: 54364-62-4	Not Classified	8.65%	Active ingredient	Other Ingredients	Not Classified	91.35%	-
Component(s)	Classification	Concentration %	Remarks										
e,z-7,9-DODECADIEN-1-YL ACETATE CAS: 54364-62-4	Not Classified	8.65%	Active ingredient										
Other Ingredients	Not Classified	91.35%	-										

SECTION 4 - FIRST AID MEASURES

4.1	Description of first aid measures
------------	--

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

If inhaled

Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Consult doctor if symptoms persist. Seek immediate medical advice.

In case of skin contact

Instantly wash with water and soap and rinse thoroughly.
If skin irritation occurs: Seek immediate medical advice/attention.

In case of eye contact

Rinse opened eye for several minutes under running water.
If eye irritation persists: Seek immediate medical advice/attention.

If swallowed

Rinse mouth with water. Consult a physician.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5 – FIREFIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media:**

Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous air may be formed during fire.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear full protective suit.

5.4 Further information

No further information available

SECTION 6 – ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas.
Wear protective equipment.
Keep unprotected persons away.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow material to be released to the environment without proper governmental permits.
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent, flush area with water after cleaning.
Ensure adequate ventilation.

SECTION 7 – HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Open and handle container with care.
Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.
Store away from oxidizing agents.
Protect from heat.
Recommended storage temperature: below 5°C.

7.3	Other information Store in a locked cabinet or with access restricted to technical experts or their assistants.
------------	---

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters Components with workplace control parameters
8.2	<p>Exposure controls</p> <p>Appropriate engineering controls Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.</p> <p>Eye/face Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p>Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Body Protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p>Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Control of Environmental Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.</p>

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>Information on basic physical and chemical properties</p> <p>Appearance: Red polyethylene tube with steel wire</p> <p>Odor: No data available</p> <p>pH: No data available</p> <p>Melting/freezing point: 115–135 °C</p> <p>Initial boiling point and boiling range: 290.71 °C</p> <p>Flash point: 139 °C</p> <p>Evaporation rate: No data available</p> <p>Flammability (solid, gas): No data available</p> <p>Upper/lower flammability or explosive limits: Upper: No data available Lower: No data available</p> <p>Vapor pressure: No data available</p> <p>Vapor density: No data available</p> <p>Relative density: 0.894 - 0.9 g/cm3</p> <p>Water solubility: No data available</p> <p>Auto-ignition Temperature: No data available</p> <p>Decomposition Temperature: No data available</p> <p>Viscosity: No data available</p> <p>Explosive properties: No data available</p> <p>Oxidizing properties: No data available</p>
9.2	Other safety information No further relevant information available.

SECTION 10 – STABILITY AND REACTIVITY

10.1	Reactivity No data available
10.2	Chemical stability Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions No data available

10.4	Conditions to avoid Heat, flames and sparks.
10.5	Incompatible materials Oxidizing agents.
10.6	Hazardous decomposition products No hazardous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1	<p>Information on toxicological effects</p> <p>Acute toxicity >5000 mg/kg (Oral/Rat) >2000 mg/kg (Dermal/Rabbit) >5.32 mg/l (Inhalation/Rat)</p> <p>Skin corrosion/irritation Slight (Rabbit)</p> <p>Serious eye damage/eye irritation Slight (Rabbit)</p> <p>Respiratory or skin sensitization No sensitization effects</p> <p>Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</p> <p>Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>Reproductive toxicity No data available</p> <p>Specific target organ toxicity - single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Additional Information To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>
------	---

SECTION 12 – ECOLOGICAL INFORMATION

12.1	Toxicity No data available
12.2	Persistence and degradability No data available
12.3	Bioaccumulative potential No data available
12.4	Mobility in soil No data available
12.5	Other adverse effects No other effects known

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1	<p>Waste treatment methods</p> <p>Product Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal.</p>
------	---

Contaminated packaging
Must be treated as unused product.

SECTION 14 – TRANSPORT INFORMATION

14.1	UN number ADR/RID: Not applicable IMDG: Not applicable IATA: Not applicable
14.2	UN proper shipping name ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.
14.3	Transport hazard class(es) ADR/RID: Not applicable IMDG: Not applicable IATA: Not applicable
14.4	Packaging group ADR/RID: - IMDG: - IATA: -
14.5	Environmental hazards ADR/RID: no IMDG: no IATA: no
14.6	Special precautions for user No data available

SECTION 15 – REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
15.2	Chemical safety assessment For this product a chemical safety assessment was not carried out
15.3	Information about limitation of use For use only by technically qualified individuals.

SECTION 16 – OTHER INFORMATION

16.1	Further information The information provided in this Safety Data Sheet is correct to the best of our knowledge. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
16.2	Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organization ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) AICS: Australian Inventory of Chemical Substances DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substances in China EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances ENCs: Inventory of Existing and New Chemical Substances ECL: Existing Chemicals List PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act