

Material Safety Data Sheet (MSDS / SDS)

Product Name: *Batrachedra amydraula* Pheromone Lure (Lesser Date Moth)

Formulation: Silicone Rubber septa impregnated with 1 mg pheromone blend

Blend Components: Z4,Z7-Decadien-1-yl acetate : Z5-Decen-1-yl acetate : Z5-Decen-1-ol

SECTION 1: Identification of the Substance/Preparation and Company

- **Product Name:** Pheromone lure for *Batrachedra amydraula*
- **Use of Product:** Insect monitoring and mass trapping in Integrated Pest Management (IPM) programs
- **Manufacturer/Supplier:** Achintya Bio Products Pvt. Ltd., #45, Jonnabanda, Old Alwal, Hyderabad - 50010, INDIA.

SECTION 2: Hazards Identification

- **Classification:** Not hazardous under normal conditions of use.
- **Health Hazards:** No significant toxicity at the concentrations used in lures (trace amounts).
- **Environmental Hazards:** None; pheromone is biodegradable and used in micro-doses.
- **Physical Hazards:** Non-flammable solid septa; active compounds are flammable in bulk but present in trace amounts.
- **GHS Label Elements:** No pictogram required.

SECTION 3: Composition/Information on Ingredients

Component	CAS Number	Typical % in lure
Z4,Z7-Decadien-1-yl acetate	NA	~20%
Z5-Decen-1-yl acetate	69222-16-8	~40%
Z5-Decen-1-ol	51652-47-2	~40%
Silicone Rubber Septa (dispenser)	Proprietary	Carrier matrix

SECTION 4: First Aid Measures

- **Inhalation:** Not expected to be hazardous. If discomfort occurs, move to fresh air.
- **Skin Contact:** Wash with soap and water if accidental contact occurs. No irritation expected.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.
- **Ingestion:** Not intended for ingestion. If swallowed, rinse mouth with water and seek medical attention.

SECTION 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical powder, CO₂.
- **Special Hazards:** Active pheromone components are combustible in bulk quantities.
- **Protective Equipment for Firefighters:** Standard protective clothing and self-contained breathing apparatus if large fire.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** No special protection required; avoid direct contact with lure contents.
- **Environmental Precautions:** Not harmful in the environment due to very small load. Collect and dispose of waste responsibly.
- **Clean-up Methods:** If septum is damaged, collect with gloves and dispose in sealed container. Wash area with soap and water.

SECTION 7: Handling and Storage

- **Handling:** Handle with clean gloves to avoid contamination. Avoid crushing or puncturing septa.
- **Storage:** Store in original sealed aluminum pouches. Keep in cool, dry, dark conditions (≤ 4 °C recommended).
- **Shelf Life:** Up to 24 months under recommended storage.

SECTION 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limits:** Not established.
- **Respiratory Protection:** Not required.
- **Skin Protection:** Gloves recommended during bulk handling.
- **Eye Protection:** Safety glasses recommended when handling large batches.
- **Other Measures:** Normal hygiene practices (wash hands after handling).

SECTION 9: Physical and Chemical Properties

- **Form:** Silicon Rubber septa impregnated with pheromone
- **Color:** Pink
- **Odor:** Mild, characteristic pheromone odor
- **Solubility in Water:** Insoluble (pheromone blend is hydrophobic)
- **Flash Point:** >80 °C (active components)
- **Stability:** Stable under recommended storage conditions

SECTION 10: Stability and Reactivity

- **Chemical Stability:** Stable under normal storage.
- **Conditions to Avoid:** Excess heat, direct sunlight, open flame.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** CO₂, CO under fire conditions.

SECTION 11: Toxicological Information

- **Acute Toxicity:** No data available; expected very low toxicity due to extremely small dose.
- **Skin/Eye Irritation:** Not classified as irritant.
- **Sensitization:** Unlikely at lure concentrations.
- **Carcinogenicity / Mutagenicity / Reproductive Toxicity:** Not classified.

SECTION 12: Ecological Information

- **Eco-Toxicity:** No adverse effects at lure concentration.
- **Persistence and Degradability:** Components are biodegradable.
- **Bio-accumulative Potential:** Negligible at field-use concentrations.
- **Mobility in Soil:** Limited, bound to septa matrix.

SECTION 13: Disposal Considerations

- Dispose used lures and packaging as general solid waste.
- Do not incinerate in bulk; small quantities may be landfilled safely.
- Follow local regulations for chemical waste disposal.

SECTION 14: Transport Information

- **UN Number:** Not classified as dangerous goods.
- **ADR/RID, IMDG, IATA:** Not regulated.
- Safe for air, sea, and land transport in standard packaging.

SECTION 15: Regulatory Information

- Product not classified as hazardous under GHS, EU REACH, or OSHA regulations.
- Agricultural semi-o-chemical – exempted from pesticide restrictions.

SECTION 16: Other Information

- **Prepared by:** Achintya Bio Products Pvt. Ltd.
- **Revision Date:** [21/03/2025]

Disclaimer: The information provided in this document is compiled from sources believed to be reliable and reflects our best knowledge at the time of preparation. However, it is supplied **without warranty, guarantee, or legal responsibility of any kind.**

This product is intended **solely for agricultural monitoring and integrated pest management purposes.** It is **not for human or animal consumption.** The user is responsible for ensuring that the product is suitable for their specific conditions of use and for complying with all applicable local, regional, and national regulations.

The manufacturer/supplier assumes **no liability for misuse, mishandling, or application beyond the recommended scope.** Users are strongly advised to perform small-scale trials before large-scale deployment.