

MATERIAL SAFETY DATA SHEET

FOR INFORMATION IN THE EVENT OF AN EMERGENCY, CALL 1-800-424-9300

I. IDENTIFICATION:

PRODUCT LABEL:	Musca domestica Lure
GENERAL DESCRIPTION:	This product consists of 12.5 g of powder formulation of Muscalure and inert ingredients; this is the pheromone component of Domestic fly (<i>Musca domestica</i>). This product is further sealed in an impermeable bag for shipping and storage. The product is intended for use as an attractant for the Domestic Fly (<i>Musca domestica</i>)

II. HAZARDS IDENTIFICATION FOR ACTIVE INGREDIENTS

HMIS Rating	
Health	0
Flammability:	0
Reactivity:	0
May be irritating to skin and eyes	

III. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name:	(Z)-9-Tricosene
CAS #:	27519-02-4
Molecular formula:	C ₂₃ H ₄₆

IV. FIRST AID MEASURES FOR ACTIVE INGREDIENT

Oral Exposure:	Rinse your mouth with sufficient water.
Inhalation Exposure:	Active ingredient emitted at less than 0.01mg/day. Therefore active ingredient difficult to inhale in formulated product.
Dermal Exposure:	In case of skin contact resulting in irritation flush with copious amounts of water for at least 15 minutes.
Eye Exposure:	In case of contact with eyes resulting in irritation flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

V. FIRE FIGHTING MEASURES

Formulated Product	
Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability:	N/A
Extinguishing Media:	Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
Firefighting:	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Formulation combustible. Emits toxic fumes under fire conditions.

VI. ACCIDENTAL RELEASE MEASURES

Procedure to be followed in case of leak or spill:	Sweep up the powder and collect or dispose of in approved manner.
Procedure(s) of personal precaution(s):	No protective apparatus necessary for cleanup.
Methods for cleaning up:	Sweep up material and dispose of in approve manner.

VII. HANDLING AND STORAGE	
Handling:	Keep the attractant inside the seal package until use.
Storage:	Suitable: Keep away from heat, sparks and open flame, store at or below 25°C
VIII. EXPOSURE CONTROLS / PPE	
Engineering Controls:	No open flames.
Personal Protective Equipment:	No respiratory equipment required.
Hand:	Compatible chemical resistant gloves recommended for prolonged handling.
Eye:	No precautions necessary if devices are handled in prescribed manner.
General Hygiene Measures:	Wash contaminated clothing before reuse. Wash thoroughly after handling.
IX. PHYSICAL / CHEMICAL PROPERTIES OF ACTIVE INGREDIENT	
Physical State:	Clear liquid
Appearance:	Clear almost colorless
Odor:	None reported.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	11.47
Evaporation Rate:	Not available.
Viscosity:	Not available.
Boiling Point:	300 deg C @ 760.00mmHg
Freezing/Melting Point:	Not available.
Decomposition Temperature:	Not available.
Solubility:	Not available.
Specific Gravity/Density:	.8060g/cm ³
Molecular Formula:	C ₂₃ H ₄₆
Molecular Weight:	322.61
X. STABILITY AND REACTIVITY	
Stability:	Stable. Materials to avoid: The performance of this product may be affected by strong odors.
Hazardous Decomposition Products:	If the product is combusted will produce: carbon dioxide and carbon monoxide.
Hazardous polymerization:	Will not occur.
XI. TOXICOLOGICAL INFORMATION	
The following applies to the devices enclosing the <i>Musca domestica</i> attractant when used in the prescribed manner.	
Skin Contact:	Product might cause skin irritation upon prolonged contact.
Skin Absorption:	Product absorbed through the skin upon prolonged contact.
Eye Contact:	Product causes eye irritation if directly rubbed in eye.
Inhalation:	Product difficult to inhale.
Ingestion:	Product could cause choking if swallowed.
Signs and Symptoms of Exposure:	To the best of our knowledge, the chemical, physical and toxicological properties of the active ingredients have not been thoroughly investigated.
Toxicity Data Inhalation, rat: LC50 = >5 gm/m ³ ; Oral, rat: LD50 = >5000 mg/kg; Skin, rabbit: LD50 = >2000 mg/kg.	
XII. ECOLOGICAL INFORMATION	
No data available.	

XIII. DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance or Preparation

Once the product is use in the field, the dispenser will contain only rubber.

Contact a licensed professional waste disposal service to dispose of this material.

XIV. TRANSPORT INFORMATION

DOT: N/A

IATA: N/A

Sea (IMDG): N/A

XV. REGULATORY INFORMATION

European Information: Based on toxicological studies in the published literature, there is no risk and safety phrase to assign for this product.

United States Regulatory Information: The active ingredients are listed in the following inventories:
TSCA, NSDL, ECL, EINECS (252-397-7)
Listed as carcinogen by NTP, IARC or OSHA? No

XVI. OTHER INFORMATION

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HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA.

Acronyms: NTP (National Toxicology Program); IARC (International Agency for Research on Cancer); OSHA (Occupational Health and Safety Administration); DOT (U.S. Dept. of Transportation)

Disclaimer: For use in traps.

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