

MATERIAL SAFETY DATA SHEET

SUTERRA LLC

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EMERGENCY PHONE NUMBER: (541) 388-3688

SECTION I

TRADE NAME: **BioLure® Med Fly Lure (FFP): One Dispenser in a 3 Dispenser Attractant Set**

REGULATORY LICENSE: Exempt from EPA FIFRA registration.

CHEMICAL FAMILY: Alkyl diamine

SECTION II - COMPONENTS

PRINCIPAL COMPONENT(S)	CAS NO.	CHEMICAL FORMULA
1,4-Diaminobutane (putrescine)	110-60-1	C ₄ H ₁₂ N ₂

SECTION III - PHYSICAL DATA

PRODUCT DESCRIPTION: A foil or plastic dispenser containing the attractant.

BOILING POINT (°C)	Not applicable for product. Attractant is a liquid. Boiling point is 158° to 160°C.	BULK DENSITY	Not applicable for product.
VAPOR PRESSURE (mm Hg.)	Not applicable for product.	MOLECULAR WEIGHT	Not applicable for product. ~88 for attractant.
VAPOR DENSITY (AIR = 1)	Not applicable for product.	SOLUBILITY IN WATER	Attractant is soluble in water.
SPECIFIC GRAVITY (H ₂ O = 1)	Not applicable for product.	APPEARANCE AND ODOR	A solid dispenser. A foul stench odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) 51°C for attractant. Not applicable for dispenser.	FLAMMABLE LIMITS (% by Volume in Air) Not applicable for dispenser.	LEL 0.98% for attractant. Not applicable for product.	UEL 9.08% for attractant. Not applicable for product.
EXTINGUISHING MEDIA: Dry Chemical, Foam, Carbon Dioxide (CO ₂), water spray.			
SPECIAL FIREFIGHTING PROCEDURES: In large fires, evacuate all unnecessary personnel. Use standard fire fighting procedures.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes when burned: Carbon oxides and nitrogen oxides.			

SECTION V - HEALTH HAZARD DATA

TOXICITY DATA

Attractant material in large or continuous exposures is irritating/ corrosive to mucous membranes and upper respiratory tract. Attractant is absorbed through the skin.

EFFECTS OF OVEREXPOSURE

EYE CONTACT:	Attractant is irritating/corrosive to the eyes. Due to product form exposure not expected.
SKIN CONTACT:	Attractant is irritating/corrosive to the skin. Due to product form exposure not expected
INHALATION:	Avoid breathing attractant vapors. Can cause upper respiratory irritation/tissue destruction in large or continuous exposures. Due to product form exposure not expected.
INGESTION:	Harmful if ingested. Can cause gastrointestinal disturbances in large doses. Due to product form exposure not expected.
CHRONIC:	Not expected due to product form. The toxicological properties of the attractant have not been thoroughly investigated.

EMERGENCY AND FIRST AID PROCEDURES

EYE

CONTACT: Due to product form contact with attractant not expected. If contact should occur flush with copious amounts of water for at least 20 minutes. Remove contact lenses after 5 minutes of washing if required. Get medical attention.

SKIN

CONTACT: Due to product form contact with attractant is unlikely. If contact should occur wash with soap and copious amounts of water. Get medical attention.

INHALATION: Due to product form contact with attractant is unlikely. If exposure should occur and illness or adverse symptoms develop remove from exposure and get medical attention.

INGESTION: Due to product form ingestion is unlikely. If ingestion should occur administer water and call a physician or Poison Control Center. Do not induce vomiting.

Recommended Exposure Limits: None established.

Listed as Carcinogen by NTP, IARC, or OSHA: No.

Other Health Effects: No known adverse effects expected.

Health Hazard Categories: Minimal for product.

SECTION VI - REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY: For the attractant: strong oxidizing agents, acids, acid chlorides, and acid anhydrides.

HAZARDOUS

DECOMPOSITION

PRODUCTS: Carbon oxides and nitrogen oxides formed when burned.

HAZARDOUS

POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE

MATERIAL IS RELEASED OR SPILLED:

Large spills can be swept up. Protect from ignition. Keep out of water sources and sewers.

ENVIRONMENTAL HAZARDS/ WASTE DISPOSAL:

Incinerate or manage at a permitted waste management facility. Dispose of in accordance with local, state, and federal regulations.

USED DISPENSER AND CONTAINER DISPOSAL:

Used dispensers should be wrapped in newspaper, placed in garbage bag and discarded in trash. Do not reuse box or bag containers. Discard in trash.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required with product under normal use.

PROTECTIVE GLOVES: None required with product under normal use.

EYE PROTECTION: None required with product under normal use.

OTHER PROTECTIVE EQUIPMENT: None required with product under normal use.

VENTILATION: None required with product under normal use.

NOTE: Personal protection information provided in this Section is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE, ETC.:

Store in cool, well-ventilated area. Provide means of controlling spills. Protect from ignition and moisture. Wash hands after handling. Do not allow product to contaminate water sources, food or feed.

SECTION X - REGULATORY INFORMATION

While this information and recommendations set forth are believed to be accurate as of the date hereof, Suterra LLC makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Date: 04/13/10

Supersedes: 11/30/01

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