

MATERIAL SAFETY DATA SHEET

SUTERRA LLC

20950 NE Talus Place, Bend, Oregon 97701
EMERGENCY PHONE NUMBER: (541) 388-3688

SECTION I			
TRADE NAME:		CheckMate® VMB-XL	
SYNONYMS:		Vine Mealybug	
REGULATORY LICENSE: EPA Reg. No. 56336-57			
CHEMICAL FAMILY:			
SECTION II - COMPONENTS			
PRINCIPAL COMPONENT(S)		CAS NO.	CHEMICAL FORMULA
Lavandulyl Senecioate		23960-07-8	C ₁₅ H ₂₄ O ₂
SECTION III - PHYSICAL DATA			
BOILING POINT (°C)	Not applicable for dispenser. 106°C/0.8mmHg for pheromone.	MELTING POINT	Not applicable for dispenser. Unknown for pheromone.
VAPOR PRESSURE (mm Hg)	Not applicable for dispenser. Not established for pheromone.	VAPOR DENSITY (AIR = 1)	Not applicable for dispenser. > 1 for pheromone.
SOLUBILITY IN WATER	Not applicable for dispenser. 8.0µg/mL for pheromone.	MOLECULAR WEIGHT	Not established for dispenser. ~236 for pheromone
SPECIFIC GRAVITY (H ₂ O = 1)	Not applicable for dispenser.	APPEARANCE AND ODOR	Plastic-polymer devices

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	FLAMMABLE LIMITS (% by Volume in Air)	LEL	UEL
Not established.	Not established.	Not established.	Not established.
EXTINGUISHING MEDIA:	Dry Chemical, Foam, Carbon Dioxide (CO ₂)		
SPECIAL FIRE FIGHTING PROCEDURES:	Evacuate area of all unnecessary personnel. Use standard fire fighting procedures.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Carbon oxides formed when burned.		

SECTION V - HEALTH HAZARD DATA**TOXICITY DATA**

None of the ingredients of these materials meet the definition of "Hazardous Chemical" given in OSHA Hazard Communication Regulation 29 CFR 1910.1200(c). The information on this form is furnished as a customer service.

For pheromone active ingredient:

Acute Oral (rat) = > 5,000 mg/Kg

Acute Dermal (rat) = > 5,000 mg/Kg

Primary Eye Irritation (rabbit) = Minimal

Primary Skin Irritation (rabbit) = Moderate

EFFECTS OF OVEREXPOSURE

EYE CONTACT:	Avoid contact with eyes when in contact with dispenser membrane.
SKIN CONTACT:	Avoid contact with skin when in contact with dispenser membrane.
INHALATION:	Avoid breathing vapors when in confined areas.
INGESTION:	Due to product form ingestion is not considered likely.
CHRONIC:	Long-term studies have not been done on the concentrated active ingredient, however, no adverse effects expected.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call poison control center or doctor for advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for advice.

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: Not known at this time.

SECTION VI - REACTIVITY DATA

STABILITY: Pheromone is stable; sensitive to heat and light.

INCOMPATIBILITY: Pheromone to acids, peroxides and other strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon 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 or sewers.

ENVIRONMENTAL HAZARDS/
WASTE DISPOSAL:

Used dispensers should be wrapped in newspaper, placed in garbage bags and discarded. Do not reuse containers. Discard in trash. Dispose of in accordance with local, state, and federal regulations.

USED DISPENSERS AND CONTAINER DISPOSAL:

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

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not generally required under normal use conditions.

PROTECTIVE GLOVES: Use chemical resistant gloves when handling dispensers.

EYE PROTECTION: Use protective eyewear.

OTHER PROTECTIVE EQUIPMENT: Long pants, long-sleeved shirt shoes plus socks.

VENTILATION: Use adequate ventilation.

NOTE: Personal protection information provided in this Section is based upon label 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.

Wear protective equipment described in Section VIII. Avoid skin and eye contact. Avoid breathing vapors. Store in cool, well ventilated area. Protect from ignition. Wash hands after handling. Do not allow product to contaminate water sources, food or feed.

SECTION X - REGULATORY INFORMATION

Suterra LLC is unaware of any local, state or federal regulations which define the active ingredient as hazardous.

As of the preparation date Suterra LLC was not aware of any chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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: 03/09/10

Supersedes:

Contact: Richard W. Fresh, Regulatory Affairs, Suterra LLC