

# MATERIAL SAFETY DATA SHEET

## SUTERRA LLC

20950 NE Talus Place, Bend, Oregon U.S.A. 97701

EMERGENCY PHONE NUMBER: (541) 388-3688

Section 1			
TRADE NAME:	CheckMate® OFM-SL+		
REGULATORY LICENSE:	EPA Registration No. 56336-50		
CHEMICAL FAMILY:	Alkenes		
SECTION II - COMPONENTS			
PRINCIPAL COMPONENT(S)	CAS NO.	CHEMICAL FORMULA	
Z-8-dodecen-1-yl acetate	28079-04-1	C <sub>14</sub> H <sub>26</sub> O <sub>2</sub>	
E-8-dodecen-1-yl acetate	38363-29-0	C <sub>14</sub> H <sub>26</sub> O <sub>2</sub>	
Z-8-dodecen-1-ol	40642-40-8	C <sub>12</sub> H <sub>24</sub> O	
SECTION III - PHYSICAL DATA			
PHYSICAL DESCRIPTION:	Small plastic dispenser with a controlled-release membrane containing pheromone.		
BOILING POINT (°C)	Not Applicable for dispenser. 230°C for pheromone blend.	MELTING POINT	Not applicable for dispenser.
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.	MOLECULAR WEIGHT	blend = 636
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	Not applicable for dispenser. 0.88±0.01 for pheromone blend.	APPEARANCE AND ODOR	Plastic devices; mild herbaceous odor.

**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 <sub>2</sub> )			
SPECIAL FIRE FIGHTING PROCEDURES: In large fires, 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**

For pheromone ingredients:

LD <sub>50</sub> , Oral, Rat:	>5050 mg/kg
LD <sub>50</sub> , Dermal, Rabbit:	>5050 mg/kg
LD <sub>50</sub> , Intratracheal, Rat:	> 150 mg/animals; equivalent to inhalation LC <sub>50</sub> >5 mg/L.
Eye Irritation, Rabbit:	Mildly irritating in unwashed eye. Minimally irritating in washed eye.
Dermal Irritation, Rabbit:	Moderate irritant.
Ames Mutation Assay:	Non-mutagenic with and without microsomal activation.

**EFFECTS OF OVEREXPOSURE**

<b>EYE</b> CONTACT:	Minimally irritating for attractant. Avoid contact with eyes. Due to product form exposure not expected.
<b>SKIN</b> CONTACT:	Moderately irritating for attractant. Avoid contact with skin. Due to product form exposure not expected.
<b>INHALATION:</b>	Avoid breathing attractant vapors. Due to product form exposure not expected.
<b>INGESTION:</b>	Harmful if ingested. Due to product form exposure not expected.
<b>CHRONIC:</b>	Long-term studies on the concentrated active ingredients have not been done, however, no adverse effects expected from dispenser or active ingredients.

### EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:	Due to product form contact with attractant is unlikely. If contact should occur flush with water. If irritation develops get medical attention.
SKIN CONTACT:	Due to product form contact with attractant is unlikely. If contact should occur wash with soap and water. If irritation develops get medical attention.
INHALATION:	Due to product form contact with attractant is unlikely. If exposure should occur and illness or adverse symptoms develop get medical attention and remove from exposure.
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:	EPA Toxicity Category: III - CAUTION.

### SECTION VI - REACTIVITY DATA

STABILITY:	Stable.
INCOMPATIBILITY:	Strong oxidizing agents and oxygen.
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 and sewers. See dispenser disposal below.
ENVIRONMENTAL HAZARDS/WASTE DISPOSAL:	Used dispensers can be discarded on-site or at an approved disposal facility.
USED DISPENSER AND CONTAINER DISPOSAL:	Used dispensers can be discarded on-site or at an approved disposal facility. Plastic containers can be triple rinsed or equivalent then offer for recycling or reconditioning or dispose of in a sanitary landfill. If allowed by state and local authorities it may be burned. If burned stay out of smoke.

<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>	
RESPIRATORY PROTECTION:	None required with product.
PROTECTIVE GLOVES:	None required with product.
EYE PROTECTION:	None required with product.
OTHER PROTECTIVE EQUIPMENT:	None required with product.
VENTILATION:	None required with product.
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.
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE, ETC.	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.
<b>SECTION X - REGULATORY INFORMATION</b>	
	Suterra LLC is unaware of any local, state or federal regulations which define the active ingredient as hazardous.
	As of the preparation date, this product did not contain a 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: 09/23/2010

Supersedes: 11/20/07

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