

**MATERIAL SAFETY DATA SHEET****SUTERRA LLC**

20950 NE Talus Place, Bend, Oregon 97701

EMERGENCY PHONE NUMBER: (541) 388-3688

<b>SECTION I</b>			
<b>TRADE NAME:</b>		<b>Check@Mate OLR-F</b>	
<b>REGULATORY LICENSE:</b>		EPA Reg. No. 56336-25	
<b>CHEMICAL FAMILY:</b>			
<b>SECTION II - COMPONENTS</b>			
PRINCIPAL COMPONENT(S)		CAS NO.	CHEMICAL FORMULA
(E)-11-Tetradecen-1-yl acetate		33189-72-9	C <sub>16</sub> H <sub>30</sub> O <sub>2</sub>
(Z)-11-Tetradecen-1-yl acetate		20711-10-8	C <sub>16</sub> H <sub>30</sub> O <sub>2</sub>
Water		7732-18-5	H <sub>2</sub> O
<b>SECTION III - PHYSICAL DATA</b>			
<b>PRODUCT DESCRIPTION:</b> An aqueous suspension of pheromone containing micro-bead/dispensers.			
<b>BOILING POINT (°C)</b>	~100°C for water component.	<b>BULK DENSITY</b>	Not applicable for product.
<b>VAPOR PRESSURE (mm Hg.)</b>	Not applicable for product.	<b>MOLECULAR WEIGHT</b>	Not applicable for product.
<b>VAPOR DENSITY (AIR = 1)</b>	Not applicable for product.	<b>SOLUBILITY IN WATER</b>	Low solubility for pheromone.
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	~0.98.	<b>APPEARANCE AND ODOR</b>	An aqueous suspension of pheromone containing micro-bead/dispensers. Mild waxy odor.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method Used)	FLAMMABLE LIMITS (% by Volume in Air)	LEL	UEL
Not applicable ~70% water.	Not applicable for product.	NA ~ 70% water.	NA ~ 70% water.
EXTINGUISHING MEDIA: Product is ~ 70% water.			
SPECIAL FIREFIGHTING PROCEDURES: Not applicable.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.			

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

The toxicity of the product is determined by the toxicity of the pheromone active ingredient.

The toxicity of this pheromone will be similar to the toxicity of other Lepidopteran pheromones, i.e.:

LD <sub>50</sub> , Oral, Rat:	>5000 mg/Kg
LD <sub>50</sub> , Dermal, Rabbit:	>2000 mg/Kg
LC <sub>50</sub> , Acute Inhalation, Rat:	>5 mg/L
Primary Eye Irritation, Rabbit:	Mildly irritating.
Primary Skin Irritation, Rabbit:	Moderately irritating.

**EFFECTS OF OVEREXPOSURE**

EYE CONTACT:	May cause transient irritation.
SKIN CONTACT:	May cause transient irritation
INHALATION:	Due to product form exposure not expected.
INGESTION:	May cause upset stomach in large doses.
CHRONIC:	Long-term studies on the active ingredients have not been done, 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 eye. Call a poison control center or doctor for treatment advice.

### SKIN

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

### INHALATION:

Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

### INGESTION:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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:** Oxygen and strong oxidizing agents for attractant.

### HAZARDOUS

#### DECOMPOSITION

**PRODUCTS:** In large fires where water boils off carbon oxides and urea combustion products may be formed.

### HAZARDOUS

#### POLYMERIZATION:

Will not occur.

## SECTION VII - SPILL OR LEAK PROCEDURE

### STEPS TO BE TAKEN IN CASE

#### MATERIAL IS RELEASED OR SPILLED:

Contain spill by diking. Use absorbent and shovel into a clean container.

### ENVIRONMENTAL HAZARDS/ WASTE DISPOSAL:

Dispose of in accordance with local, state, and federal regulations.

### CONTAINER DISPOSAL:

Used containers should be wrapped in newspaper, placed in garbage bag and discarded in trash.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required with product.

PROTECTIVE GLOVES: Applicators and other handlers must wear waterproof gloves.

EYE PROTECTION: None required with product.

OTHER PROTECTIVE EQUIPMENT: Applicators and other handlers must wear long-sleeved shirt and long pants and shoes plus socks.

VENTILATION: None required with product.

## SECTION IX - SPECIAL PRECAUTIONS

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

Store in cool area. Protect from freezing. 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 ingredients 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: 05/31/07

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