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<http://12.108.1.230/docs/pg/10094>*CheckMate OLR-F MSDS*

MATERIAL SAFETY DATA SHEET			
SUTERRA LLC			
213 S.W. Columbia, Bend, Oregon U.S.A. 97702-1013			
EMERGENCY PHONE NUMBER: (541) 388-3688			
SECTION I			
TRADE NAME: CheckMate® OLR-F			
REGULATORY LICENSE: EPA Reg. No. 56336-25.			
CHEMICAL FAMILY:			
SECTION II - COMPONENTS			
PRINCIPAL COMPONENT(S)	CAS NO.	CHEMICAL FORMULA	
(E)-11-Tetradecen-1-yl acetate	33189-72-9	C ₁₆ H ₃₀ O ₂	
(Z)-11-Tetradecen-1-yl acetate	20711-10-8	C ₁₆ H ₃₀ O ₂	
Water	7732-18-5	H ₂ O	
SECTION III - PHYSICAL DATA			
PRODUCT DESCRIPTION: An aqueous suspension of pheromone containing micro-bead/dispensers.			
BOILING POINT (°C)	~100°C for water component.	BULK DENSITY	Not applicable for product.
VAPOR PRESSURE (mm Hg.)	Not applicable for product.	MOLECULAR WEIGHT	Not applicable for product.
VAPOR DENSITY (AIR = 1)	Not applicable for product.	SOLUBILITY IN WATER	Low solubility for pheromone.
SPECIFIC GRAVITY (H ₂ O= 1)	~0.98.	APPEARANCE AND ODOR	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 Not established.	UEL Not established.
Not applicable ~70% water.	Not applicable for product.		

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.:

LD₅₀, Oral, Rat: >5000 mg/Kg

LD₅₀, Dermal, Rabbit: >2000 mg/Kg

LC₅₀, 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: Flush eyes with water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation persists.

INHALATION: Not a likely route of exposure due to product form. However, if an exposure occurs remove victim to fresh air. Give CPR if not breathing. Get medical attention.

INGESTION: If symptoms appear get medical attention. Give symptomatic and supportive care.

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: 11/19/01

Supersedes: 04/07/99

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