

MATERIAL SAFETY DATA SHEET

SUTERRA LLC

213 SW Columbia, Bend, Oregon U.S.A. 97702-1013

EMERGENCY PHONE NUMBER: (541) 388-3688

SECTION I

TRADE NAME: **CheckMate® CM / WS**

SYNONYMS: Codlure, Codlemone

REGULATORY LICENSE: EPA Registration No. 56336-12

CHEMICAL FAMILY: Unsaturated Aliphatic Ester

SECTION II - COMPONENTS

PRINCIPAL COMPONENT(S)	CAS NO.	CHEMICAL FORMULA
E,E,-8,10-Dodecadien-1-ol	33956-49-9	C ₁₂ H ₂₂ O

None of the ingredients of this material 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.

SECTION III - PHYSICAL DATA

BOILING POINT (°C)	Not applicable for dispenser. 70°C for pheromone.	MELTING POINT	Not applicable for dispenser. ~28.5°C 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. Low solubility for pheromone.	MOLECULAR WEIGHT	Not established for dispenser. 182 for pheromone.
SPECIFIC GRAVITY (H ₂ O = 1)	Not applicable for dispenser. 0.86±0.01.	APPEARANCE AND ODOR	Plastic devices; mild, fruity 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 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 this material 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 ingredient:

LD₅₀, Oral, Rat: > 5050 mg/kg
LD₅₀, Dermal, Rabbit: > 2020 mg/kg
LD₅₀, Intratracheal, Rat: > 2.50 ml/kg (>5 mg/L)
Eye Irritation, Rabbit: Minimally irritating.
Skin Irritation, Rabbit: Moderately irritating.
Ames Mutation Assay: Negative.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: with dispenser	Pheromone is minimally irritating. Avoid contact with eyes when in contact with dispenser membrane.
SKIN CONTACT:	Pheromone is moderately irritating. 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: however, no adverse	Long-term studies have not been done on the concentrated active ingredient, effects expected.

EMERGENCY AND FIRST AID PROCEDURES	
EYE CONTACT:	Flush eyes with water. If irritation develops, call a physician.
SKIN CONTACT:	Wash with soap and water. If irritation develops, call a physician.
INHALATION:	Remove from exposure. If illness or adverse symptoms develop, call a physician. Due to product form such exposure is unlikely.
INGESTION:	Due to product form such exposure is unlikely.
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:	Pheromone is sensitive to heat and light.
INCOMPATIBILITY:	Pheromone to 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 waterproof gloves when handling dispensers.
EYE PROTECTION:	Not generally required under normal use conditions.
OTHER PROTECTIVE EQUIPMENT:	Not generally required under normal use conditions.
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, 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: 10/03/02

Supersedes: 2/29/96

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

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