

Suterra®

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

TRADE NAME: CheckMate® CRS

SYNONYMS: California Red Scale (CRS) mating disruption dispenser

USE: CheckMate CRS is a pheromone containing hand-applied dispenser for the control of the California Red Scale (*Aonidiella aurantii*). The product is used in agriculture to control populations of this pest via mating disruption.

COMPANY IDENTIFICATION: Suterra LLC
20950 NE Talus Place
Bend, Oregon 97701
U.S.A.
TEL: (541) 388-3688
FAX: (541) 388-3705

EMERGENCY TELEPHONE NUMBERS:

LEAK, FIRE, SPILL, OR ACCIDENT: (800) 424-9300 (CHEMTREC – U.S.A. & CANADA)
(703) 527-3887 (CHEMTREC – Collect - All Other Countries)

MEDICAL: Call Doctor, Poison Control Center or (541) 388-3688

2. HAZARDS IDENTIFICATION

The following determinations have been made according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals:

GHS Signal Word: WARNING

GHS Symbols:



GHS Hazard Statements:

Harmful if inhaled
Causes eye irritation
Causes skin irritation

GHS Precautionary Statements:

Avoid breathing vapor. Use only outdoors or in a well-ventilated area.
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
Use protective gloves and protective garments to prevent excessive skin contact when handling.

GHS Response Statements:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for advice if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

If on skin or clothing: Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for advice if you feel unwell, or if skin irritation occurs.

3. COMPOSITION

PRINCIPAL COMPONENT(S)	CAS NO.	APPROXIMATE W/W %
(3S,6R)(3S,6S)-3-Methyl-6-isopropenyl-9-decen-1-yl acetate	67601-06-3	5.86

Other Ingredients:

Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. They are non-hazardous, but their identities are withheld because they are considered trade secrets.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

EYE

CONTACT: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if worn after the first five minutes and continue rinsing. Call a doctor or Poison Control Center for advice.

SKIN

CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a doctor or Poison Control Center for 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 doctor or Poison Control Center for advice.

INGESTION: Call a doctor or Poison Control Center 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.

5. FIREFIGHTING MEASURES

FLASH POINT (Method Used)	FLAMMABLE LIMITS (% by Volume in Air)	LEL	UEL
Not established for end-use dispenser. > 93°C for CRS pheromone active ingredient	Not established.	Not established.	Not established.

EXTINGUISHING MEDIA: Dry Chemical, Foam, Carbon Dioxide (CO₂)

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon oxides formed when product is burned.

ADVICE FOR FIREFIGHTERS: Evacuate area of all unnecessary personnel. Collect the water used to extinguish the fire and avoid release in the sewage system. Use standard fire-fighting procedures.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use protective gloves when handling the dispensers and handle in a well-ventilated area.

6.2 Environmental precautions

Avoid release to the environment. Keep away from drainage system, surface and ground water. Prevent infiltration of water sources and sewers.

6.3 Methods and material for containing and cleaning up

Contain the dispersion. Use absorbent material and remove in a clean container. Wastes should be disposed according to current legislation.

7. HANDLING AND STORAGE

Wear protective equipment described in Section 8. Avoid skin and eye contact. Avoid breathing vapors. Store in its original container in a cool, well ventilated area. Protect from ignition. Wash hands after handling. Do not allow product to contaminate water sources, food or feed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

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.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Pheromone is mildly irritating. Avoid contact with eyes with dispenser membrane.

SKIN CONTACT: Pheromone can be mildly irritating. Avoid contact of skin with dispenser membrane.

INHALATION: Avoid breathing vapors when in confined areas.

INGESTION: Due to product form ingestion is not considered likely.

CHRONIC: No adverse effects are expected.

EXPOSURE CONTROLS

RESPIRATORY

PROTECTION: Do not breathe vapor. No type of specific protective equipment is required.

PROTECTIVE

GLOVES: Use protective gloves when handling dispensers.

EYE PROTECTION: Avoid contact with eyes.

OTHER PROTECTIVE EQUIPMENT: None required under normal use conditions.

VENTILATION: For outdoor use. If indoors, 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Plastic hand-applied dispenser.
ODOR	Sour odor.
MOLECULAR WEIGHT	Not applicable for end-use dispenser.
pH	Not established
SOLUBILITY IN WATER	Not applicable for end-use dispenser.
BOILING POINT	Not applicable for end-use dispenser.
MELTING POINT	Not applicable for end-use dispenser.
FLASH POINT	Not applicable for end-use dispenser.
SPECIFIC GRAVITY (H ₂ O = 1)	Not established for end-use dispenser. 0.904 g/mL @ 20°C for the active ingredient.
EXPLOSIVE PROPERTIES	Not applicable for the end-use dispenser.
OXIDIZING PROPERTIES	Not applicable for the end-use dispenser.

10. STABILITY AND REACTIVITY DATA

STABILITY: The product is stable. No hazardous reactions are expected. Pheromone is sensitive to heat and light.

INCOMPATIBILITY: Pheromone is compatible with oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides formed when burned.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Due to the formulation type, no studies have been performed on the end-use product. Information about the pheromone active ingredient is reported here:

California Red Scale (CRS) Pheromone:

Acute Oral (rat):	> 5,000 mg/Kg
Acute Dermal (rat):	> 5,050 mg/Kg
Primary Eye Irritation (rabbit):	Mildly irritating
Primary Skin Irritation (rabbit):	Non-irritating
Acute Inhalation:	No data found
Ames Mutation Assay:	No data found
Skins Sensitization:	No data found
Carcinogenicity:	No data found
Reproductive toxicity:	No data found
Target organ toxicity:	No data found

12. ECOLOGICAL INFORMATION

Due to the formulation type, no studies have been performed on the end-use product. The active ingredient contained in the product is synthetic replica of the naturally occurring CRS arthropod pheromone and is applied at rates less than 150 grams/acre/year. As such, this active ingredient pheromone is currently exempted from the requirement to submit non-target toxicity and environmental fate data as per 40 CFR 158.2060(a)(2) to support the product's registration. No ecological problems are anticipated to result from the use of this product as registered and labeled.

13. DISPOSAL CONSIDERATIONS

ENVIRONMENTAL HAZARDS:

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high-water mark.

USED DISPENSER AND CONTAINER DISPOSAL:

Used dispensers should be discarded in trash.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

14. TRANSPORT INFORMATION

TRANSPORT BY GROUND:

Description: Plastic hand-applied pheromone dispenser.
Hazard Class: DOT - Not applicable. Not classified as dangerous.
Identification Numbers: Unclassified.
Packing Group: Not applicable.
Flashpoint: Not established for end-use dispenser.
> 93 °C for CRS pheromone active ingredient

TRANSPORT BY SEA:

Description: Plastic hand-applied pheromone dispenser.
Hazard Class: IMDG - Not applicable. Not classified as dangerous.
Identification Numbers: Unclassified.
Packing Group: Not applicable.
Flashpoint: Not established for end-use dispenser.
> 93 °C for CRS pheromone active ingredient

TRANSPORT BY AIR:

Description: Plastic hand-applied pheromone dispenser.
Hazard Class: IATA - Not applicable. Not classified as dangerous.
Identification Numbers: Unclassified.
Hazard Label: None required.
Packing Group: Not applicable.
Flashpoint: Not established for end-use dispenser.
> 93 °C for CRS pheromone active ingredient

15. REGULATORY INFORMATION

This product is a pesticide registered by the U.S. EPA and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDSs), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including the Directions for Use.

CAUTION: Harmful if absorbed through the skin, or inhaled. Causes moderate skin irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

U.S. EPA Registration Number 56336-71

Product is e categorized under U.S. EPA Toxicity Health Hazard Category III – CAUTION

16. OTHER INFORMATION

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.

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Supersedes: 08/18/2015
Preparer: R. Trager