

# SAFETY DATA SHEET

### SECTION I – IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

TRADE NAMES: Puffer® CM

CheckMate® Puffer CM-O

Puffer® Codling Moth Pheromone Confusing Agent

SYNONYMS: Codlemone Aerosol

USE: Codling Moth Puffer is an aerosol product that emits the pheromone of the

codling moth (Cydia pomonella). The product is used in agriculture to control populations

of these pests 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

### SECTION II – HAZARDS IDENTIFICATION

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 IV – FIRST AID MEASURES** 

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.

SECTION V – FIREFIGHTING MEASURES

FLASH POINT FLAMMABLE LIMITS LEL UEL

(Method Used) (% by Volume in Air)

>13°C (Closed Cup) LFL= 3.3 UFL = 19 Not established. Not established.

Product is flammable

EXTINGUISHING MEDIA: Dry Chemical, Foam, Carbon Dioxide (CO<sub>2</sub>)

UNUSUAL FIRE AND

EXPLOSION HAZARDS: Carbon oxides formed when burned.

ADVICE FOR FIREFIGHTERS: Evacuate area of all unnecessary personnel. Use standard fire fighting procedures.

Containers will explode if heated to high enough temperatures.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

Since the product is contained in individual steel pressurized containers they may be picked up and reused. If the containers are dented they may be returned. If the container is punctured the resulting release may be washed up with detergent and water. Keep out of water sources or sewers.

### SECTION VII - HANDLING AND STORAGE

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 VIII - 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.

| EYE CONTACT: Pheromone is minimally irritating. Propellant can freeze-burn the eyes if directed at eyes.  SKIN CONTACT: Pheromone is moderately irritating. Propellant can freeze burn skin if directed at skin.  INHALATION: Avoid breathing vapors when in confined areas.  INGESTION: Due to product form ingestion is not considered likely.  CHRONIC: Long-term studies have not been done on the concentrated active ingredient, however, no a effects expected.  EXPOSURE CONTROLS  RESPIRATORY PROTECTION: Not generally required under normal use conditions.  PROTECTIVE GLOVES: Use chemical resistant gloves when handling dispensers.  EYE PROTECTION: Wear protective eyewear.  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 normal uses and conditions. Where special or unusual uses or conditions exist, it is sugges the expert assistance of an industrial hygienist or other qualified professional be sought. |            |
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| SECTION IX -PHYSICAL AND CHEMICAL PROPERTIES   |            |
|  |            |
| APPEARANCE Aerosol canister  |            |
| ODOR Waxy odor.  |            |
| MOLECULAR WEIGHT Not established for end-use aerosol. 182 for CM pheromone active ingre  | edient.    |
| pH Not established   |            |
| SOLUBILITY IN WATER  Not applicable for end-use aerosol. 20 mg/L @ 22.5°C for CM pheromo ingredient.   | ne active  |
| BOILING POINT Not applicable for end-use aerosol. 70°C for CM pheromone active ing   | redient.   |
| MELTING POINT Not applicable for end-use aerosol. ~28.5°C for CM pheromone active in   | ngredient. |
| FLASH POINT >13°C (Closed Cup) Aerosol flame projection is 15 to 45 cm, with no flashback  |            |
| FLAMMABILITY Product is flammable.   |            |
| SPECIFIC GRAVITY (H <sub>2</sub> O = 1) 0.96   |            |
| EXPLOSIVE PROPERTIES Not established   |            |
| OXIDIZING PROPERTIES Not an oxidant or reductant   |            |

SECTION X – STABILITY AND REACTIVITY DATA

STABILITY: The product is stable. No dangerous reactions are expected.

Pheromone is sensitive to heat and light.

INCOMPATIBILITY: Pheromone to strong oxidizing agents. Canister to heat or open flame.

HAZARDOUS DECOMPOSITION

PRODUCTS: Carbon oxides formed when burned.

HAZARDOUS POLYMERIZATION: Will not occur.

### SECTION XI – 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:

### Codling Moth (CM) Pheromone:

 $LD_{50}$ , Oral, Rat: > 5050 mg/kg  $LD_{50}$ , Dermal, Rabbit: > 2020 mg/kg  $LD_{50}$ , Intratracheal, Rat: > 2 mg//L

Eye Irritation, Rabbit: Mildly irritating.
Skin Irritation, Rabbit: Moderately irritating.

Ames Mutation Assay: Negative. Sensitization, Guinea Pig: Negative.

## SECTION XII – ECOLOGICAL INFORMATION

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

#### Codling Moth (CM) Pheromone:

Acute Avian LD<sub>50</sub> Bobwhite Quail: > 2050 mg/kg

Acute Fish 96 Hour  $LC_{50}$  Rainbow Trout: > 5.87 mg/L (Above limit of water solubility)

Aquatic Invertebrate 48 Hour EC<sub>50</sub> Daphnia > 8.6 mg/L

#### SECTION XIII - DISPOSAL CONSIDERATIONS

#### ENVIRONMENTAL HAZARDS/ WASTE DISPOSAL:

Used canisters should be wrapped in newspaper, placed in garbage bags and discarded. Do not reuse or refill containers. Discard in trash or at an approved waste disposal facility. If can is empty offer for recycling. Dispose of in accordance with local, state, and federal regulations.

### USED DISPENSERS AND CONTAINER DISPOSAL:

Nonrefillable container. Do not reuse or refill this container. Remove empty container from cabinet, wrap in newspaper, place in garbage bag and discard in trash or at an approved waste disposal facility. Do not puncture or incinerate. If can is empty offer for recycling.

### SECTION XIV - TRANSPORT INFORMATION

#### TRANSPORT BY GROUND:

Description: Aerosols, flammable, (each not exceeding 1 L capacity)

Hazard Class: 2.1
Identification Numbers: UN1950
Packing Group: Not Applicable
Flashpoint: >13°C (Closed Cup)

#### TRANSPORT BY AIR:

Description: Aerosols, flammable

Hazard Class:
Identification Numbers:
Hazard Label(s):
Packing Group:
Flashpoint:

2.1
UN1950
Flammable gas
Not Applicable
>13°C (Closed Cup)

### **SECTION XV - REGULATORY INFORMATION**

REGULATORY LICENSE: U.S. EPA Registration Number 73479-9

Product is categorized under U.S. EPA Toxicity Health Hazard Category III – CAUTION This crop protection product is also registered for sale in: Argentina, Australia, New

Zealand and South Africa.

### **SECTION XVI - OTHER 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.

 Version Date:
 02/11/2013

 Supersedes:
 05/22/2012

 Preparer:
 T. Tipton