

Safety Data Sheet in accordance with OSHA prescription and Regulation (EC) No. 1907/2006 and following updates

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial name: Celada VMB 180

1.2 Relevant identified uses of the substance or mixture and uses advised against

Celada VMB 180 is a vapor release product (VP) intended for the control of *Planococcus ficus* by mating disruption in grapes (wine, table, and raisin grapes) and any other crop where the pest may be present. Professional use only.

1.3 Details of the supplier of the safety data sheet

20950 NE Talus Place

Bend, OR 97701

U.S.A.

Tel: (541)388-3688

FAX: (541)388-3705

E-mail: sds@suterra.com

1.4 Emergency telephone number

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 at 1-800-222-1222.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

In consideration of the product formulation and characteristics the following classification is proposed for the product:
Aquatic Chronic, Category 3

2.2 Labels elements

Symbols and indications of danger:

No pictogram or signal word used

Hazard statements

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment

P501 Dispose of contents/container in accordance with the normative

EUH401: To avoid risks to human health and the environment, comply with the instructions for use

2.3 Other hazards

The mixture does not meet the criteria for PBT or vPvB according to Annex XIII of Annex I Regulation (EC) No. 453/2010.

3. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS no.	Content (% w/w)	Classification* (Reg. 1272/2008):
Lavandulyl senecioate	23960-07-8	10.41%	Aquatic Chronic 2, H411

* For the meaning of the hazard sentences, please refer to section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

- IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a Poison Control Center or doctor for treatment advice.
- IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.
- IF INHALED: If breathing is difficult, 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 further treatment advice.
- IF IN EYES: 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.

4.2 Most important symptoms and effects, both acute and delayed

None observed or expected.

4.3 Indication of any immediate medical attention and special treatment needed

None required.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media.

Suitable extinguishing agents: dry chemical, foam, carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Carbon oxides formed when the product is burned.

5.3 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 firefighting procedures.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Avoid release to the environment. Do not contaminate water. 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.

6.4 Reference to other sections

Please, refer to section 8 for information on personal protection and to section 13 for the disposal of the contaminated material.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear protective clothing as described in section 8, if justified by exposure conditions. Avoid unnecessary contact with eyes and skin. Wash hands after handling. Wash contaminated clothing before reuse. Prevent contamination of water sources, food or feed.

7.2 Conditions for safe storage, including any incompatibilities

Store in its original container in a dry, cool and well ventilated area until is used.

7.3 Specific end use(s)

Celada VMB 180 is a vapor release product (VP) intended for the control of *Planococcus ficus* by mating disruption in grapes (wine, table, and raisin grapes) and any other crop where the pest may be present. Professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits are not available for any of the substances contained in the mixture. There are no known side effects resulting from the use of the finished product.

8.2 Exposure controls

Personal protection information provided in this section is based upon general 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.

Individual protection measures, such as personal protective equipment (professional user)

Eye/face protection:	Avoid contact with eyes.
Hand protection:	Use protective gloves during application during handling.
Skin protection:	Avoid contact with skin.
Respiratory protection:	Do not breathe vapours. No type of specific protective equipment is required.

Environmental exposure controls

Avoid release to the environment. Do not contaminate water with the product or the container.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance:	Coloured plastic dispenser
b) Odour:	None
c) Odour threshold:	None
d) pH:	Not applicable for the product.
e) Melting point/freezing point:	Not applicable for the product.
f) Initial boiling point and boiling range:	Not applicable for the product.
g) Flash point:	Not established for the product mixture.
h) Evaporation rate:	Not established for the product.
i) Flammability (solid, gas):	The product is not flammable.
j) Upper/lower flammability or explosive limits:	Not available.
k) Vapour pressure:	Not applicable for the product.
l) Vapour density:	Not established for the product.
m) Relative density:	Not applicable for the product.
n) Solubility (ies):	Not applicable for the product. The active substance is not soluble in water.
o) Partition coefficient n-octanol/water:	Not applicable for the product. Very high for the active substance.
p) Auto-ignition temperature:	Not established for the product.
q) Decomposition temperature:	Not established for the product.
r) Viscosity:	Not applicable for the product.
s) Explosive properties:	The product is not explosive.
t) Oxidizing properties:	The product does not have oxidizing properties.

9.2 Other information

No additional information is reported.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity reactions are known or expected to occur as to normal uses conditions.

10.2 Chemical stability

The product is stable at recommended storing conditions and for the use under the conditions reported in the label.

10.3 Possibility of hazardous reactions

No hazardous reactions are known or expected for uses according to label instructions.

10.4 Conditions to avoid

Avoid exposure to excessive heat.

10.5 Incompatible materials

None identified.

10.6 Hazardous decomposition products

Carbon oxides are formed when the product is burned (in case of fire). No hazardous polymerization will occur.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

Lavandulyl senecioate:

a) Acute toxicity

LD ₅₀ Oral (rat):	> 5000 mg/kg bw
LD ₅₀ Dermal (rabbit):	> 5000 mg/kg bw
LC ₅₀ Inhalation (rat):	> 5.21 mg/l air

b) Irritation

Eye irritation (rabbit):	Not Irritant
Skin irritation (rabbit):	Not Irritant

c) Corrosivity: Not corrosive

d) Sensitisation

Skin sensitisation:	Not Sensitizer
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e) Repeated dose toxicity: The product contains no component classified as toxic at repeated dose

f) Carcinogenicity: The product contains no component classified as carcinogenic

g) Mutagenicity: The product contains no component classified as genotoxic or mutagenic

h) Toxicity for reproduction: The product contains no component classified as toxic for reproduction.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

Lavandulyl senecioate:

a) CL ₅₀ 96 h, fish (<i>Oncorhynchus mykiss</i>):	> 100.0 mg/l
b) CE ₅₀ 48 h, crustaceous (<i>Daphnia magna</i>):	8.89 mg/l
c) E _r C ₅₀ 48 h, Algae (<i>Pseudokirchneriella subcapitata</i>):	17.61 mg/l.

12.2 Persistence and degradability

Does not apply, this product must be collected at the end of the season.

12.3 Bio-accumulative potential

Not applicable to this product. This product is collected once the campaign ends.

12.4 Mobility in soil

Not applicable to this product. This product is collected once the campaign ends.

12.5 Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB according to Annex XIII of Regulation (EC) No. 1907/2006.

12.6 Other adverse effects

No additional information is known on other adverse effects on the environment.

13. DISPOSAL CONSIDERATIONS

Safety Data Sheet in accordance with OSHA prescription and Regulation (EC) No. 1907/2006 and following updates

13.1 Waste treatment methods

Product: Do not discard the product into sewers or other waterways. The waste products are considered as hazardous waste, so the user is required to dispose it in accordance with federal, state and local regulations..

Container: This container, once used, is a hazardous waste so the user is required to dispose it in accordance with community, national or regional laws.

14. TRANSPORT INFORMATION

14.1 UN Number

No number assigned.

14.2 UN proper shipping name

Not assigned.

14.3 Transport hazard class(es)

Not assigned.

14.4 Packaging group

Not assigned.

14.5 Environmental hazards

None

14.6. Special precautions for user

See sections 6 to 8 of the present safety data sheet.

14.7 transport in bulk according to annex II of the Marpol 73/78 Convention and the IBC Code

Not transported in bulk in accordance with the IBC Code.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This product is a pesticide under evaluation by the U.S. EPA and is subject to certain labelling 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: CAUTION: Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye 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 56336-82

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

16. OTHER INFORMATION

Version 1: Creation of the SDS

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.