

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

1.1 Product identifier

Trade name: CheckMate® VMB-XL

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

CheckMate VMB-XL is a vapour dispenser (VP) for mating disruption of *Planococcus ficus*.

1.3 Details of the supplier of the safety data sheet

Suterra Europe Biocontrol S.L.

Plaza de America, 2 Planta 9

46004 Valencia

+34963956743

E-mail: sds@suterra.com

1.4 Emergency telephone number

In Case of Poisoning:

Tel Aviv: 03-5460111

Jerusalem: 02-6523133

Haifa: 04 8512233

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

In consideration of the product formulation and characteristics no classification is proposed for the product.

2.2 Labels elements

Product intended for experimental use, not fully characterised, handle with extreme care.

Keep out of reach of children.

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 | 8,61 | - |

* For the meaning of the indications of danger and of the risk phrases, please refer to section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of irritation, seek for medical advice.

Skin contact: IF ON SKIN: take off contaminated clothing. Gently wash with plenty of soap and water for 15-20 minutes. In case of irritation, seek for medical advice.

Inhalation: IF INHALED: Move person to fresh air. If symptoms occur, seek for medical advice.
Ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek for a doctor or call a poison control centre.

4.2 Most important symptoms and effects, both acute and delayed

If skin irritation or rash occurs: get medical advice. Propellants can freeze-burn if not used properly.

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 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)

CheckMate VMB-XL is a vapour dispenser (VP) for mating disruption of *Planococcus ficus*.

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 rubber or PVC gloves resistant to water 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: | With colour (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, is a solid. |
| 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. |

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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

The product has not been tested. The toxicity of the preparation derives from the toxicity of the active substance.

Lavandulyl Senecioate

Acute Toxicity

| | |
|------------------------|-----------------|
| LD50 Oral (rat): | > 5000 mg/kg bw |
| LD50 Dermal (rat): | > 5000 mg/kg bw |
| LC50 Inhalation (rat): | > 5,21 mg/l air |

Irritation

| | |
|---------------------------|----------------|
| Eye irritation (rabbit): | Not Irritating |
| Skin irritation (rabbit): | Not Irritating |

Sensitisation

Skin sensitisation: Not sensitising

Repeated dose toxicity: Lavandulyl senecioate is not toxic at repeated dose

Carcinogenicity: Lavandulyl senecioate is not carcinogenic

Mutagenicity: Lavandulyl senecioate is not genotoxic or mutagenic

Toxicity for reproduction: Lavandulyl senecioate is not toxic for reproduction

12. ECOTOXICOLOGICAL INFORMATION

12.1 Toxicity

The product has not been tested. The toxicity of the preparation derives from the toxicity of the active substance.

Lavandulyl Scenecioate

| | |
|----------------------------------------------------------------------------------------|--------------|
| CL ₅₀ 96 h, fish (<i>Oncorhynchus mykiss</i>): | > 100.0 mg/l |
| CE ₅₀ 48 h, crustaceous (<i>Daphnia magna</i>): | 8.89 mg/l |
| 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

Due to characteristics of how it is used the product the exposure not likely, since once it finishes the campaign, the product is collected.

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

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 community, national or regional laws.

Container: This container, once empty after using its content, 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 has been evaluated by the Ministry of Agriculture and Rural Development in Israel and authorised with the registration no. 4099.

16. OTHER INFORMATION

Version 3: General revision of the document.

Meaning of the indications of danger and of the risk phrases mentioned in section 3: NA

While this information and recommendations set forth are believed to be accurate as of the date hereof, Suterra Europe Biocontrol S.L. makes no warranty with respect hereto and disclaims all liability from reliance thereon.