

Safety Data Sheet in accordance with US HazCom 2012

## SECTION 1: IDENTIFICATION

### 1.1 Product identifier

Trade Name: BioMagnet™ SWD

Product form: mixture

Alternate Identifiers: BioMagnet™ RUBY, Magnet SWD, Magnet Ruby

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

BioMagnet™ SWD is an Attract and Kill system for the control of Spotted Wing Drosophila (*Drosophila suzukii*) in strawberry, currants and other berries (raspberry, blueberry and others), stone fruits (plum and others), cherry and grapes.

Uses advised against: Uses not listed on the label.

Reasons for use advised against: Product for agricultural use only, any other use is not recommended.

### 1.3 Details of the supplier of the safety data sheet

Suterra LLC

20950 NE Talus Place

Bend, Oregon 97701 (U.S.A.)

TEL: (541) 388-3688

FAX: (541) 388-3705

### 1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBERS: 1-866-326-6737

LEAK, FIRE, SPILL, OR ACCIDENT: (800) 424-9300 (CHEMTREC – U.S.A. & CANADA)

(703) 527-3887 (CHEMTREC – Collect - All Other Countries)

MEDICAL: National Pesticides Information Center 1-800-858-7378, 6:30 am - 4:30 pm  
Pacific Time (PT), 7 days a week

Poison Control Center 1-800-222-1222

## SECTION 2: HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

In consideration of the product formulation and characteristics the proposed classification is:

Hazardous to the aquatic environment — Acute Hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category 1

### 2.2 Labels elements

This product is registered under the USA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The FIFRA label elements are presented within Section 15 of this SDS.

The OSHA HazCom 2012 label elements presented are consistent for chemicals in the workplace. The USA EPA recognizes that conflicts between FIFRA labels and the labels of other chemicals in the workplace could mislead workers about hazards, in some instances perhaps creating the impression that pesticides are less hazardous when they are not. Confusion due to inconsistent labeling could result in increased risks to works. Workers should review and follow the hazards and risk management statements on the FIFRA label.

#### GHS-US Classification

#### Hazard pictograms and signal words:

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## Warning

### Hazard Statements

H410: Very toxic to aquatic life with long lasting effects.

### Precautionary Statements

P405+P102 Keep locked, away from children.

P270 Do not eat, drink or smoke when using this product.

P501 Dispose of contents/container in accordance with national regulations

P280 Wear protective gloves

### 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. The substances contained in the product do not meet the criteria to be identified as endocrine disrupters.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable. The product is not a substance or nanoform.

### 3.2 Mixtures

Name	CAS n., EINECS n.	Content* % w/w
Deltamethrin	52918-63-5 258-256-6	0.0311
Trimethylamine Hydrochloride	593-81-7 209-810-0	8 - 9

\* The exact percentage of the composition has been withheld as a trade secret

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of first aid measures

IF INHALED: 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 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 advice.

IF IN EYES: Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and continue rinsing. Call a Poison Control Center or doctor for advice.

IF SWALLOWED: Call Poison Control Center or doctor 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.

### 4.2 Most important symptoms and effects, both acute and delayed

No acute or adverse delayed effects are expected.

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## 4.3 Indication of any immediate medical attention and special treatment needed

IN CASE OF ACCIDENT OR DISCOMFORT, seek medical advice immediately.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media.

Suitable extinguishing agents: dry chemical, foam, carbon dioxide (CO<sub>2</sub>).

### 5.2 Special hazards arising from the substance or mixture

Combustion products include carbon oxide, nitrogen oxide and ammonia.

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Use protective glasses when handling the product.

### 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.

### 6.4 Reference to other sections

Please, refer to section 8 and to section 13 for further information.

## SECTION 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 with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. Wash contaminated clothing before reuse. Prevent contamination of water sources, food or feed.

### 7.2 Conditions for safe storage, including any incompatibilities

**PESTICIDE STORAGE:** Do not use BioMagnet™ RUBY from damaged, pierced or unsealed containers. Store container in cool place until used. Reseal containers immediately after use.

No known incompatibilities.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### BioMagnet™ SWD

No additional information available

#### Deltamethrin (CAS: 52918-63-5)

No additional information available

#### Trimethylamine Hydrochloride (CAS: 593-81-7)

No additional information available

### 8.2 Exposure controls

Personal protection information provided in this section is based upon general information as to normal uses and conditions.

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

Eye/face protection: Avoid contact with eyes. The use of specific protective equipment is not required.

Hand protection: Chemical resistant gloves. Wash the outside of gloves before removing.

Butyl rubber ≥ 14 mils thick

Nitrile rubber ≥ 14 mils thick

Neoprene rubber ≥ 14 mils thick

Natural rubber ≥ 14 mils thick

Polyethylene, Polyvinyl chloride ≥ 14 mils thick

Viton ≥ 14 mils thick

Skin protection: Avoid contact with skin. Wear long-sleeved shirts, long trousers, shoes and socks during application and handling.

Respiratory protection: Do not breathe vapors. 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	White envelope
Color:	White
Odor:	Ammonia
Odor threshold:	None
pH (room temperature):	Not applicable for the product.
Melting point/freezing point:	Not applicable for the product.
Initial boiling point and boiling range:	Not applicable for the product.
Flash point:	Not established for the product mixture.
Evaporation rate:	Not established for the product.
Flammability (solid, gas):	Not flammable.
Upper/lower flammability or explosive limits:	Not applicable for the product.

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Vapor pressure:	Not applicable for the product.
Vapor density:	Not established for the product.
Relative density:	Not applicable for the product.
Solubility(ies):	Not applicable for the product.
Partition coefficient n-octanol/water:	Not applicable for the product.
Auto-ignition temperature:	Not established for the product.
Decomposition temperature:	Not established for the product.
Viscosity:	Not applicable for the product.
Explosive properties:	The product does not contain any explosive substance and is not explosive.
Oxidizing properties:	The product does not contain any oxidizing substance and is not oxidizing.

## 9.2 Other information

No additional information is reported.

## SECTION 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. No hazardous polymerization will occur.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

None known. Keep in its original package.

### 10.6 Hazardous decomposition products

None known under recommended storage and use conditions. In case of fire, carbon oxides, nitrogen oxide and ammonia and are formed when the product is burned.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Due to the formulation type, no studies have been performed on the finished product. The acute toxicity data for the components of the product (Deltamethrin) are reported here. Possible exposure route: dermal.

#### a) Acute toxicity

LD <sub>50</sub> Oral:	87 mg/kg bw
LD <sub>50</sub> Dermal:	> 2000 mg/kg bw
LC <sub>50</sub> Inhalative:	0.6 mg/l air

#### b) Irritation

Eye irritation:	Not irritant
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Dermal irritation:	Not irritant
c) Corrosion:	Not corrosive
d) Sensitisation	
Dermal sensitisation:	Not sensitising
e) Repeated dose toxicity	
Oral NOAEL (90 d):	1 mg/kg bw/day
NOAEL oral (2 y):	1 mg/kg bw/day
NOAEL dermal (21 d):	1000 mg/kg bw/day
NOAEL inhalation (14 d):	< 3 mg/l

f) Carcinogenicity: The product does not contain substances classified as carcinogenic.

g) Mutagenicity: The product does not contain substances classified as genotoxic or mutagenic.

h) Toxicity for reproduction: The product does not contain substances classified as toxic for reproduction.

## 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

As stated in section 2.3, the substances contained in the product do not have adverse health effects caused by endocrine disrupting properties.

### 11.2.2. Other information

No other information available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

The product has not been tested. The toxicity of the preparation derives from the toxicity of the active substance. Therefore, the data reported in this section refer to the active substance: Deltamethrin.

CL <sub>50</sub> (96 h), fish ( <i>Oncorhynchus mykiss</i> ):	0.00026 mg/L
EC <sub>50</sub> (48 h), Invertebrates ( <i>Daphnia magna</i> ):	0.00056 mg/L
LD <sub>50</sub> birds ( <i>Colinus Virginianus</i> ):	> 2250 mg/kg bw
LD <sub>50</sub> bees:	
LD <sub>50</sub> Oral (48 h):	79 ng/ bee
LD <sub>50</sub> Contact (48 h):	1.5 ng/ bee
LC <sub>50</sub> (14d), Earthworms:	> 1290 mg/kg soil

### 12.2 Persistence and degradability

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

### 12.3 Bio-accumulative potential

BCF of Deltamethrin is 1.400 (*Lepomis macrochirus*).

### 12.4 Mobility in soil

Not applicable to this product. Exposure not likely.

### 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.

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## 12.6 Endocrine disrupting properties

This mixture does not contain any substances that have endocrine-disrupting properties towards non-target organisms as they do not fulfil the criteria of Section B of Regulation (EU) No 2017/2100.

## 12.7 Other adverse effects

No known adverse effects or hazards.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product: Do not discard the product into sewers or other waterways. Dispose of product in accordance with national regulation for dangerous waste. Wastes resulting from use of this product may be disposed of on-site or at an approved disposal facility.

Container: Emptied containers retain vapor and residue of preparation. Do not reuse the container. Dispose of container in accordance with national regulation for dangerous waste.

## SECTION 14: TRANSPORT INFORMATION

The suitable shipping classification must be evaluated at the time of shipment due to the possibility for variations in regard to the transportation of this material considering the requirements, modes of transport, packaging, packaging configuration, quantity etc. Please consult the appropriate regulation for specific shipping information and requirements.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation information can be obtained through the authorized transporting corporation. It is the responsibility of the transporting corporation to follow all applicable laws, regulations and rules relating to the transportation of this product.

### ADR/RID/AND

14.1 Number:	UN 3077
14.2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, (DELTAMETHRIN)
14.3 Transport hazard class:	9
14.4 Packing group:	III
14.5 Environmental hazards:	Yes

Limited quantities: 5Kg

### IMDG

14.1 Number:	UN 3077
14.2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, (DELTAMETHRIN)
14.3 Transport hazard class:	9
14.4 Packing group:	III
14.5 Marine pollutant:	Yes

Limited quantities: 5Kg

### IATA

14.1 Number:	UN 3077
14.2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, (DELTAMETHRIN)
14.3 Transport hazard class:	9
14.4 Packing group:	III

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**14.5 Environmental hazards:** Yes  
Limited quantities: 5Kg

**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.

## SECTION 15: REGULATORY INFORMATION

This product is a pesticide product registered by the Environmental Protection Agency on January 18, 2023 with EPA Reg. Number 56336-83 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.

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

#### KEEP OUT OF REACH OF CHILDREN

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

EPA Registration Number: 56336-83

## SECTION 16: OTHER INFORMATION

Version 1: Creation of the MSDS

Date of the SDS: March 25, 2024

#### Abbreviations

CAS – Chemical Abstract Services

EC<sub>50</sub> – Median lethal exposure concentration

EINECS - European Inventory of Existing Commercial Substances

EPA – Environmental Protection Agency

EU – European Union

irr – irritation

LC<sub>50</sub> – Median lethal concentration

LD<sub>50</sub> – Median lethal dose

OSHA – Occupational Safety and Health Administration

PBT – Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bio-accumulative

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.