

SAFETY DATA SHEET



Vita (Europe) Limited, Hants, UK.

(Corresponding to EC Directive, according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by UK REACH REGULATION SI 2019/758)

Revision Date: 23 August 2022 Replaces the version of: 09 July 2021 Next Revision Date: August 2024

Version: 2

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

1.1 Product identifier

Product name: VarroxxsanTM® Acaricide – Fiber-board strip

EC No. Not Applicable

REACH Registration No.: Not Applicable

CAS No.: 6153-56-6

CAT No.: O/0650/53, O/0650/60, O/0650/62, O/06506/65, O/0650/68, O/0650/70

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

Identified uses: Treatment of varroosis due to *Varroa destructor*.

Uses advised against: No Information available.

1.3 Details of the supplier of the safety data sheet

Company: Vita (Europe) Limited, Vita House, London St., Basingstoke, Hants, RG21 7PG,

Telephone: UK Tel: +44 1256 474 083, 44 (0) 467 815370

Web address: www.vita-europe.com

Competent person responsible for the safety data sheet: e-mail (competent person):

v.crispin@vita-europe.com

1.4 Emergency telephone number: UK Tel: +44 1256 474 083

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Section 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

2.1.1 Classification according to Regulation (EC) No 1272/2008

CLP Classification

Hazard statements –

Based on available data, the classification criteria are not met.

Acute oral toxicity Category 4 (H302)

Acute dermal toxicity Category 4 (H312)

Serious Eye Damage/Eye Irritation Category 1 (H318)

Specific target organ toxicity - (repeated exposure) Category 2 (H373)

Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

Other hazards

Substance is not considered persistent, bioaccumulative or toxic (PBT) / very persistent and very bioaccumulative (vPvB) Toxic to terrestrial vertebrates

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Response

IF INHALED: Not Applicable.

IF ON SKIN: Not Applicable.

IF IN EYES: Not Applicable

IF SWALLOWED: Not Applicable.

Storage/Disposal

Technical protective measures:

2.1.2 Additional Information:

For full text of Hazard- and EU Hazard-statements: see Section 16 of SDS.

2.2 Label elements Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: Danger

Hazard statements:

H302 + H312 - Harmful if swallowed or in contact with skin

H318 - Causes serious eye damage

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statement:

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

Prevention: No Information available

2.3 Other hazards

Substance is not considered persistent, bioaccumulative or toxic (PBT) / very persistent and very bioaccumulative (vPvB) Toxic to terrestrial vertebrates.

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Substance name : 18.42% (w/w) OXALIC ACID DIHYDRATE (C₂ H₂ O₄. 2 H₂ O)
Synonyms :Ethanedionic acid

CAS-No. : 6153-56-6

Index-No. : Not Applicable.

EC-No. : Not Applicable.

3.2 Chemical Characterizations:

Chemical nature

Chemical Class: Not Applicable.

Formulation Type: Fibre-board strip

Sector: ACARICIDE

Content: 18.42% (w/w)

Active Ingredient (s): Not Applicable.

Empirical Formula: C₂ H₂ O₄. 2 H₂O

Molecular Weight: 126.04

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Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice: If symptoms persist, call a physician.

Eyes: Not Applicable.

Skin: Not Applicable.

Inhalation: Not Applicable.

General notes

Following inhalation Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Following skin contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Following eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Following ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Self-Protection of the First Aider: Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically

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Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Extinguishing media which must not be used for safety reasons No information available.

Unsuitable extinguishing media None

5.2 Special hazards arising from the substance or mixture decomposition can lead to release of irritating gases and vapors.

Hazardous combustion products Carbon monoxide (CO), Carbon dioxide (CO₂).

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.

For non-emergency personnel No specific equipment.

6.2 Environmental precautions Should not be released into the environment.

6.3 Methods and material for containment and cleaning up **Advice on how to contain a spill** Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal

Advice on how to clean up a spill Not applicable

Other information relating to spills and releases Not applicable

6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

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Disposal considerations: see section 13.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling:

Wash after handling. Avoid contact with the eyes, skin and clothing. Avoid digestion and inhalation.

Measures to protect the environment No Information available

Advice on general occupational hygiene

Industrial hygiene: No Information available

7.2 Conditions for safe storage, including any incompatibilities

Technical protective measures:

Store in a cool, dry place.

Maximum storage temperature: 30°C. Above at a relative humidity ≤75%.

Shelf life in original, sealed containers in a temperate climate is: - 18 months minimum

Store in undamaged, properly sealed, original containers protected from light by secondary packaging.

Do not open until ready to use.

Keep away from incompatible materials.

Observe all warnings and precautions for the product.

Consideration of other advice

Not Applicable.

Specific designs for storage rooms or vessels

Not applicable

7.3 Specific end use(s)

Treatment of varroosis due to *Varroa destructor*.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits) Low, when used as directed

8.2 Exposure controls

Engineering Controls:

Facilities storing or utilising this material should be equipped with eyewash facility and a safety shower. Use adequate ventilation.

8.3 Industrial Hygiene:

Keep away from food, drink and animal feedstuffs.

When using do not eat, drink or smoke.

Change contaminated clothes immediately.

After work and before taking breaks, wash your hands.

Individual protection measures (personal protective equipment)

Respiratory protection: Not required if the product is handled in the open or properly ventilated in-door places, otherwise respiratory protection

Eye protection: chemical safety goggles or glasses

Hand protection: gloves

Body protection: Not applicable

other protection measures Not applicable

Respiratory protection Not required if the product is handled in the open or properly ventilated in-door places, otherwise respiratory protection is recommended.

Environmental exposure controls Not applicable

Others: working clothes

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance: Impregnated fibre-board strip / Rough grey
- (b) Odour: odourless
- (c) Odour threshold; Not applicable
- (d) pH: (0.1M aqueous suspension): 1.3 at 20°C
- (e) Melting point/freezing point; 98 - 102 °C / 208.4 - 215.6 °F for Oxalic acid dihydrate (100%)
- (f) Initial boiling point and boiling range; Not applicable
- (g) Flash point; Not applicable
- (h) Evaporation rate; Not applicable
- (i) Flammability (solid, gas); Not applicable
- (j) Upper/lower flammability or explosive limits; Not applicable
- (k) Vapour pressure ; 21.5 mbar at 50°C
- (l) Vapour density; Not applicable
- (m) Relative density; Not applicable
- (n) Solubility(ies); Not applicable
- (o) Partition coefficient: n-octanol/water Log p O/W: -0.81
Method: calculated Test result for Oxalic Acid (100%)
- (p) Auto-ignition temperature; Not applicable
- (q) Decomposition temperature; Not applicable
- (r) Viscosity; 95,000 – 125,000 cps at 25°C
- (s) Explosive properties; Not applicable
- (t) Oxidising properties; Not applicable

9.2 Other information

Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): Not relevant

Other safety characteristics: Not applicable

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Section 10: STABILITY AND REACTIVITY

10.1 Reactivity None known, based on information available.

10.2 Chemical stability Stable under normal conditions

10.3 Possibility of hazardous reactions Hazardous Polymerization Hazardous polymerization does not occur.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Not known to be incompatible with any packing material.

10.6 Hazardous decomposition products will not occur

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological information

Acute toxicity

Acute Oral Toxicity LD50: > 375 mg/kg (rat)

Acute Dermal Toxicity LD50: > 375 mg/kg (rat)

Daphnia toxicity: Not determined

Fish toxicity: Not determined

Skin corrosion/irritation

Skin: irritant (rabbit)

Eyes: irritant (rabbit)

Algae toxicity: Not determined

Bacterial toxicity (growth inhibition): Not determined

Respiration inhibition: Not determined

Serious eye damage/eye irritation Not determined

Respiratory or skin sensitisation Is not classified.

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Germ cell mutagenicity Is not classified

Carcinogenicity Is not classified

Reproductive toxicity Is not classified

Specific target organ toxicity - single exposure Is not classified

Specific target organ toxicity - repeated exposure Is not classified

Aspiration hazard Is not classified

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed Not applicable.

If in eyes Not applicable

If inhaled Not applicable

If on skin Not applicable

Other information

None

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity (acute)

Information on the active ingredient Not applicable

Ecotoxicity effects: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Component	Freshwater Fish	Water Flea	Freshwater Algae
Oxalic acid		EC50 = 136.9 mg/L/48h	

Biodegradation Not applicable

12.2 Process of degradability

Persistence Soluble in water, Persistence is unlikely, based on information available.

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12.3 Bioaccumulative potential Bioaccumulation is unlikely

Component	I og Pow	Bioconcentration factor (BCF)
Oxalic acid	-0.81	No data available

12.4 Mobility in soil

The product is water soluble and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils

12.5 Results of PBT and vPvB assessment Not applicable

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

Persistent Organic Pollutant: This product does not contain any known or suspected substance.

Ozone Depletion Potential: This product does not contain any known or suspected substance

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment of containers/packagings

Local regulations should be adhered to.

13.2 Relevant provisions relating to waste

Product waste Local regulations should be adhered to.

Must be disposed of according to the applicable local regulations in force, if no recycling is possible. Packaging that cannot be cleaned should be disposed of as for product.

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Packaging waste Local regulations should be adhered to.

13.3 Remarks None

Section 14: TRANSPORT INFORMATION

14.1 UN number or ID number Not Applicable

14.2 UN proper shipping name Not Applicable

14.3 Transport hazard class(es) Not Applicable

14.4 Packing group Not applicable

14.5 Environmental hazards

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Information for each of the UN Model Regulations

RID/GGVE: Not classified as dangerous goods for transportation

ADR/GGVS: Not classified as dangerous goods for transportation

IMDG/GGVSea: Not classified as dangerous goods for transportation

Section 15: REGULATORY INFORMATION

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

Assessment by Vita (Europe) Limited in accordance with EC directives and UK legislation on dangerous substances:

R36/38 Irritating to eyes and skin.

S2 Keep out of the reach of children.

S13 Keep away from food, drink, and animal feedstuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap-suds.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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International Inventories

Directive on industrial emissions (VOCs, 2010/75/EU)

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

not listed

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water Framework Directive (WFD)

not listed

Regulation 98/2013/EU on the marketing and use of explosives precursors

not listed

Regulation 111/2005/EC laying down rules for the monitoring of trade between the Community

and third countries in drug precursors

not listed

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

not listed

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

not listed

National inventories

Legend

AICS Australian Inventory of Chemical Substances

CICR Chemical Inventory and Control Regulation

CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)

DSL Domestic Substances List (DSL)

ECSI EC Substance Inventory (EINECS, ELINCS, NLP)

IECSC Inventory of Existing Chemical Substances Produced or Imported in China

INSQ National Inventory of Chemical Substances

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KECI Korea Existing Chemicals Inventory

NZIoC New Zealand Inventory of Chemicals

PICCS Philippine Inventory of Chemicals and Chemical Substances (PICCS)

REACH Reg. REACH registered substances

TCSI Taiwan Chemical Substance Inventory

TSCA Toxic Substance Control Act

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Product should be stored, handled, and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.

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Revision Summary	Regulatory affairs, Vita (Europe) Ltd, London St., Basingstoke, Hants, RG21 7PG,
Revision Date	23/08/2022

This document has been updated to comply with the Standard Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758 replacing the current legislation under EC Directive 93/112/EC

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Product should be stored, handled, and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should, therefore, not be construed as a warranty with regard to the product specific properties.

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