

VELOCITY 50 SC

H302 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name VELOCITY 50 SC

1.2 Uses and advised against

Recommended use LEAFROLLER CONTROL ON AVOCADOS, GRAPES, KIWIFRUIT & PIPFRUIT

1.3 Details of the supplier of the product

Supplier Grochem (AgriNova New Zealand Limited)

Company no. 9429036821501

Address 15 Sunlight Grove, Porirua, New Zealand

Telephone +64 4 237 0905

Facsimile +64 4 237 0906

Email grochem@grochem.com

Website www.grochem.com

1.4 Emergency telephone number(s)

Emergency New Zealand
0800 CHEMCALL - 24 hours
(0800 243 6225)

Australia
1800 127 406

Other locations
+64 4 917 9888

or The National Poisons Centre
0800 POISON
(0800 764 766)

1.5 Date of preparation

Date of preparation 09 August 2019

2.0 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

THIS MATERIAL IS HAZARDOUS ACCORDING TO CRITERIA OF EPA NEW ZEALAND

HSNO approval code 100581

Dangerous goods classification Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous goods class 9

2.2 GHS label elements

Signal word DANGER



Hazard classification(s)	6.1D	Substances that are acutely toxic - Oral
	8.3A	Substances that are corrosive to ocular tissue
	6.8B	Substances that are suspected human reproductive or developmental toxicants
	6.9B (single exposure)	Substances that are harmful to human target organs or systems
	9.1A	Substances that are very ecotoxic in the aquatic environment (H400)
	9.3B	Substances that are ecotoxic to terrestrial vertebrates
	9.4A	Substances that are very ecotoxic to terrestrial invertebrates
Hazard statement(s)	H302	Harmful if swallowed.
	H318	Causes serious eye damage.
	H361	Suspected of damaging fertility or the unborn child.
	H371	May cause damage to organs.
	H400	Very toxic to aquatic life.
	H432	Toxic to terrestrial vertebrates.
	H441	Very toxic to terrestrial invertebrates.
Prevention precautionary statement(s)	P102	Keep out of reach of children.
	P103	Read label before use.
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P260	Do not breathe dust, fume, gas, mist, vapours or spray.
	P264	Wash hands, face and all exposed skin thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P273	Avoid release to the environment.
	P281	Use personal protective equipment as required.
Response precautionary statement(s)	P101	If medical advice is needed, have product container or label at hand.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P309+P311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P330	Rinse mouth.
	P391	Collect spillage.
Storage precautionary statement(s)	P405	Store locked up.
Disposal precautionary statement(s)	P501	Dispose of contents/container in accordance with local, regional, national and international regulations.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances/mixtures

Chemical entity	CAS number	Proportion
Emamectin Benzoate	155569-91-8	5 % (w/w)
Ingredients determined to be non-hazardous		to 100%

4.0 FIRST AID MEASURES

4.1 Description of first aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre (0800 764 766).

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Skin contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye contact	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.
PPE for first aiders	Wear overalls, gloves, safety glasses. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
Notes to physician	Treat symptomatically. Can cause corneal burns.

5.0 FIRE FIGHTING MEASURES

5.1 Hazchem code

3Z

5.2 Suitable extinguishing media

If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder). Do not use water jet as this will spread the fire. Contain run off.

5.3 Specific hazards

Non-combustible material.

5.4 Firefighting further advice

Wear self-contained breathing apparatus.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Small spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

6.2 Large spills

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

6.3 Dangerous goods - Initial emergency response guide no.

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7.0 HANDLING AND STORAGE

7.1 Handling

Handling practices Wear appropriate PPE as detailed in section 8.3. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse. Keep out of reach of children. Read label before use. This substance must not be applied onto or into water.

7.2 Storage

Site requirements Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. Signage and secondary containment is required if holding more than 100L.

This material is classified as a Class 9 Miscellaneous Dangerous Good as per the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and/or the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and must be stored in accordance with the relevant regulations.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 National occupational exposure limits

Workplace exposure guidelines No value assigned for this specific material by WorkSafe New Zealand.

8.2 Biological limit values

Biological limit values As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

8.3 Engineering controls

Exposure control methods Natural ventilation should be adequate under normal use conditions.

8.4 Personal Protective Equipment (PPE)

Detail specifications for equipment Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear overalls, gloves, safety glasses. Wear respirator if ventilation is inadequate

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.



9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid suspension
Colour	Off white
Odour	Characteristic
Solubility	1.06 - 1.07
pH	5.0 - 9.0

10.0 STABILITY AND REACTIVITY

10.1 Chemical stability

This material is thermally stable when stored and used as directed.

10.2 Conditions to avoid

Elevated temperatures and sources of ignition.

10.3 Incompatible materials

Oxidising agents.

10.4 Hazardous decomposition products

Oxides of carbon and nitrogen, smoke and other toxic fumes.

10.5 Hazardous reactions

No known hazardous reactions.

11.0 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

11.1 Acute effects

Inhalation	Material may be an irritant to mucous membranes and respiratory tract.
Skin contact	Contact with skin may result in irritation.
Ingestion	Harmful if swallowed. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye contact	A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

11.2 Acute toxicity

Inhalation	LC50 (Rat): 6.28 mg/L
Skin contact	LD50 (Rabbit): >2000 mg/kg
Ingestion	This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): LD50 (Rat): 1516 mg/kg
Corrosion/irritancy	Eye: this material has been classified as 8.3A - Substances that are corrosive to ocular tissue. Skin: this material has been classified as not corrosive or irritating to skin.
Sensitisation	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Aspiration hazard	This material has been classified as non-hazardous.
Specific target organ toxicity (single exposure)	This material has been classified as a 6.9B - Substances that are harmful to human target organs or systems.

11.3 Chronic toxicity

Mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive toxicity (including via lactation)	This material has been classified as a 6.8B - Substances that are suspected human reproductive or developmental toxicants.
Specific target organ toxicity (repeat exposure)	This material has been classified as non-hazardous.

12.0 ECOLOGICAL INFORMATION

Avoid contaminating waterways.

12.1 Acute aquatic hazard

9.1A - Substances that are very ecotoxic in the aquatic environment. Acute toxicity estimate (based on ingredients):
24hr LC50 (rainbow trout): 174 mg/L
72hr EL50 (algae): 157 mg/L

12.2 Long-term aquatic hazard

This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or $\log K_{ow} < 4$.

12.3 Ecotoxicity in the soil environment

This material has been classified as non-hazardous.

12.4 Ecotoxicity to terrestrial vertebrates

This material has been classified as a 9.3B - substances that are ecotoxic to terrestrial vertebrates.

12.5 Ecotoxicity to terrestrial invertebrates

This material has been classified as a 9.4A - substances that are very ecotoxic to terrestrial invertebrates.

12.6 Ecotoxicity

No information available

12.7 Persistence and degradability

No information available

12.8 Bioaccumulative potential

No information available

12.9 Mobility

No information available

13.0 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Waste disposal**

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Avoid contamination of any water supply with chemical or empty container.

14.0 TRANSPORT INFORMATION

	14.1 Road and rail transport	14.2 Marine transport	14.3 Air transport
Classification	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN number	3082	3082	3082
Dangerous goods class	9	9	9
Packing group	III	III	III
Hazchem code	3Z	-	-
Emergency response guide number	47	-	-
Proper shipping name	Environmentally hazardous substance, liquid, N.O.S	Environmentally hazardous substance, liquid, N.O.S	Environmentally hazardous substance, liquid, N.O.S
Segregation dangerous goods	Not to be loaded with explosives (Class 1).. Note 1: Materials that are fire risks are incompatible with oxidising agents (Class 5.1) or organic peroxides (Class 5.2). Exemptions may apply.	-	-

15.0 REGULATORY INFORMATION**15.1 Regulatory status**

Registered pursuant to the ACVM Act 1997: P9010. See www.foosafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996. See www.epa.govt.nz for approval conditions.

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

HSNO approval code: 100581

15.2 Trigger quantities

Approved handler Yes

Tracking No

Emergency information Yes (≥0.1L)

Location test certificate	No
Fire extinguishers	No
Signage	Yes (≥ 100L)
Emergency response	Yes (≥ 100L)
Bunding	Yes (≥ 100L)
Hazardous atmosphere zone	No

16.0 OTHER INFORMATION

Revision due 9 August 2024

Glossary

ACVM	Agricultural Compounds and Veterinary Medicines
CAS	Chemical Abstract Services number (used to identify chemical compounds)
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose fatal to 50% of test animals/organisms
LC50	Lethal Concentration fatal to 50% of test animals/organisms

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.