SAFETY DATA SHEET

GroVentive Garden

SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

1.1 Identifiers

Product Name: **GroVentive Garden**
Other Name(s): Siprotetramat 15 g/L SC

1.2 Recommended use of the chemical and restrictions on use

Product Use: Insecticide for control of a range of insect pests on ornamentals and flowers. Not for application to food crops.

1.3 Supplier contact details:

Company Name Sipcam New Zealand Limited :
Address 20 Jean Batten Drive, Mt Maunganui 3116
Telephone 0800 220 002
Email info@sipcam.co.nz

Emergency Telephone Number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Product classified as hazardous according to Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act 1996.
HSNO Approval: HSR101477
Classifications: Skin sensitisation, Category 1; Reproductive toxicity, Category 2;
Designed for biocidal action.

2.2 Label elements:

Pictograms:



Signal Word: Warning

Hazard statements:

H317 May cause an allergic skin reaction
H361 Suspected of damaging fertility or the unborn child

Precautionary statements:

Prevention

P103 Read label before use
P201 Obtain special instructions before use
P202 Do not handle until all safety instructions have been read and understood
P261 Avoid breathing mist/spray
P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves
P281 Use personal protective equipment as required

Response

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

P333 + P313 If skin irritation or rash occurs: Get medical advice.
P363 Wash contaminated clothing before re-use.
P308 + P313 If exposed or concerned: Get medical advice.
Storage
P405 Store locked up
Disposal
P501 Dispose of contents/container in accordance with local regulations,

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion % w/w
Spirotetramat	203313-25-1	1.4 – 1.5
Glycerin	56-81-5	<10
Other ingredients	Proprietary	<25
Water	7732-18-5	balance

This is a commercial product whose exact ratio of components may vary slightly.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
General Information:
Call the National Poisons Centre, 0800 POISON [0800 764 766] in event of any suspected poisoning or if exposed and feel unwell or concerned. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with water. Get medical advice.
Skin Contact: Wash with plenty of water. If irritation or rash develops get medical advice.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists then get medical attention.
Inhalation: Remove person to fresh air and keep at rest until recovered. Get medical advice if person feels unwell or symptoms persist.

4.2 Symptoms caused by exposure
No specific information available.

4.3 Medical attention and special treatment
Treatment symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media
Use water spray, alcohol resistant foam, dry powder or carbon dioxide. Contain to prevent runoff into drains, sewers, waterways.

5.2 Specific hazards arising from the chemical
Fire decomposition products are likely to be irritating if inhaled.

5.3 Special protective equipment and precautions for fire fighters
Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
In the event of an accidental spill, wear full protective clothing including eye and face protection. Wash contaminated personal protective equipment and clothing, and dry before re-use.

6.2 Environmental precautions
Prevent spillage from entering drains or waterways.

6.3 Methods and materials for containment and cleaning up
Absorb spillage with inert material such as sand and vermiculite. Collect contaminated material into labelled container(s) and dispose of to landfill.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Read the label before use. Avoid contact with skin and breathing spray mist. When using, wear gloves. Wash face and hands after using. Do not use spray equipment contaminated with this product for any other purposes unless first thoroughly cleaned with a suitable cleaning detergent.

7.2 Conditions for safe storage
Store locked up in the closed original container out of reach of children and in a dry, cool, well-ventilated area. Keep away from food, drink and animals feeding stuffs. Check containers periodically for leaks.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m^3)	STEL (mg/m^3)
Glycerine (mist)	10	-

Exposure limits have not been established for any of the significant ingredients in this product. No biological limits applicable.

8.2 Engineering controls
Use outdoors or ensure adequate ventilation.

8.3 Personal protective equipment (PPE)
The following Standards provide general advice regarding safety clothing and equipment:
Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.
Eye/Face Protection: Wear protective glasses or goggles if risk of eye contact.
Skin Protection: Wear impervious gloves, and preferably also overalls. Ensure all skin areas are covered.
Respirator: Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a type G cartridge, suitable for agricultural chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid, suspension
Odour	Slight
Odour threshold	Not known
pH	4.0 – 5.5, typical 5.0

Melting/Freezing Point	No data available
Boiling Point /Range	> 100°C
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Relative density	1.08 g/L at 20°C
Solubility	Suspension in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
This product is unlikely to react or decompose under normal storage conditions.

10.2 Chemical stability
Stable under normal temperatures and pressure for storage and use.

10.3 Conditions to Avoid
Store in the closed original container in a dry, cool, well-ventilated area and out of direct sunlight.

10.4 Incompatible materials and possible hazardous reactions
No specific information available.

10.5 Hazardous decomposition products
Fire Decomposition: No specific information available on decomposition compounds.
Polymerisation: This product will not undergo polymerisation reactions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information
The product is classified for health hazards according to an assessment of information no individual ingredients and mixture rules.

11.2 Toxicological information

Acute toxicity:	Product is not classified as acutely toxic if ingested, in contact with skin or if inhaled.
Aspiration hazard:	Product contains no solvents identified with aspirant hazard.
Respiratory irritation:	Potential for sneezing and coughing if respiratory tract irritated.
Skin corrosion/irritation	Product not classified as skin irritant.
Serious eye damage/irritation:	Product is not classified as eye irritant.
Respiratory or skin sensitisation:	Spirotetramat is identifed as may cause an allergic skin reaction.
Germ cell mutagenicity:	No ingredients in product classified as presumed or suspected mutagens.
Carcinogenicity:	No ingredients in product classified as presumed or suspected carcinogens.
Reproductive toxicity:	Spirotetramat is identifed as suspected of impairing fertility or the unborn child.
Specific target organ toxicity	

– single/repeated exposure:	Product is not classified as presumed or suspected of affecting specific target organs.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.
Toxicity:	Spirotetramat Rat, oral LD_{50} >2000 mg/kg bw Rat, dermal LD_{50} >2000 mg/kg bw Rat, inhalation EC_{50} (4hr) >4.18 mg/L

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified as being designed for biocidal action.

Spirotetramat ecotoxicity information -

Fish Toxicity	*Cyprindon variegatus* LC_{50} (96 h): 1.96 mg/L
Aquatic invertebrate toxicity	*Daphnia magna* LC_{50} (48h): >42.7 mg/L
Diatom toxicity	*Skeletonema costatum* EC_{50} (96 h): 1.2 mg/L (ch
Algae toxicity	*Lemna gibba* EC_{50} (72hr) 0.96 mg/L
Honey bee (*Apis* sp)	Contact >100 µg/bee Acute > 107.3 µg/bee

12.2 Environmental Fate

Breakdown in soil and groundwater: Spirotetramat will degrade rapidly through the action of soil micro-organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Use the product for its intended purpose. Otherwise dispose of unused product to waste management facility for pesticides or to an approved landfill.

13.2 Container Disposal

Do not use container for storage of other products. Rinse container with small amount of water then dispose of the container for recycling or to landfill.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as Dangerous Goods according to NZS5433 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number: None allocated

UN Proper Shipping Name: None allocated

Transport hazard class(es): None allocated

Packing Group: III

HAZCHEM: 2Z

Special Precautions for User: Not available

IMDG Marine pollutant: No

Transport in Bulk: Not available

SECTION 15: REGULATORY INFORMATION

15.1 HSNO Act 1996

Product classified as hazardous according to Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act 1996.
HSNO Approval: HSR101477
Classifications: Skin sensitisation, Category 1; Reproductive toxicity, Category 2;
Designed for biocidal action.

Variations to Controls:

Pack size to not exceed 5 L.
Label statements: Keep people and pets away from the treated area for at least 24 hours after application.
It is recommended that gloves are worn when using the product.

Controls: refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

SECTION 16: OTHER INFORMATION

Date of preparation or last revision of SDS

SDS issued	24 July 2026
Reason for issue:	Change to Sipcam
Replaces:	26th July 2021

ABREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
ErC_{50}	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC_{50}	Median Lethal Concentration
LD_{50}	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

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End of Safety Data Sheet