

**SAFETY DATA SHEET****HORTCARE® Spinosad SC****SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY****1.1 Identifiers**

Product name: **HORTCARE® Spinosad SC**  
Other Name(s): Suspension concentrate containing 120 g/L spinosad

**1.2 Recommended use of the chemical and restrictions on use**

Product Use: Insecticide for the control of insect pests in fruit, vines, vegetables and fodder brassicas.

**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](mailto:info@sipcam.co.nz)

**Emergency telephone number** 0800 CHEMCALL (0800 243 622)

**SECTION 2: HAZARD IDENTIFICATION****2.1 Classification of the Hazardous Chemical**

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996  
Hazard Classifications: Specific target organ toxicity – repeated exposure Category 2; Hazardous to the aquatic environment acute Category 1; Hazardous to the aquatic environment chronic Category 1; Hazardous to terrestrial invertebrates.

**2.2 Label elements:****Pictograms:**

**Signal Word: WARNING**

**Hazard statements:**

H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
Very toxic to terrestrial invertebrates.

**Precautionary statements:***Prevention*

P103 Read label before use.  
P260 Do not breathe mist/vapours/spray.

#### Response

P314 Get medical attention if you feel unwell.

P391 Collect spillage.

#### Storage

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#### Disposal

P501 Dispose of contents/container in accordance with local regulations.

### Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017:

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion % w/w
Spinosad	168316-95-8	11 -12
Propane-1,2-diol	57-55-6	<5
Other ingredients*	Trade secret	balance

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

\*Do not affect the hazardous classifications of the product.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General Information:

For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766] for advice. If medical advice is needed, have product container or label at hand.

**IF SWALLOWED:** Contact a POISON CENTRE or doctor for advice.

**IF ON SKIN:** Wash with plenty of soap and water. Contact a POISON CENTRE or doctor if skin irritation develops.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

**IF INHALED:** Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

### 4.2 Symptoms caused by exposure

Unlikely to cause harmful effects under normal conditions of handling and use.

### 4.3 Medical attention and special treatment

Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Use water spray or fog, foam, CO2 or dry chemical as appropriate for surrounding materials. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

### 5.2 Specific hazards arising from the chemical

Fire decomposition products (e.g. carbon monoxide, carbon dioxide, nitrogen oxides, other unspecified compounds, smoke) may be harmful and/or irritating if inhaled.

Evacuate people to safe area upwind of fire.

### 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

Have this SDS available. In the event of a spill, wear appropriate protective clothing, eye and skin protection. Wash contaminated personal protective equipment and clothing, and dry before re-use.

### 6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

### 6.3 Methods and materials for containment and cleaning up

Contain spilled material. For small spills, use absorbent material and recover into labelled drums that can be sealed for safe disposal. For large spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent. Dispose of contaminated materials to approved landfill in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Read the label before use.

Do not breathe mist/vapours/spray.

Do not apply into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

### 7.2 Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area and out of direct sunlight. Keep away from food, drink and animal feedstuffs.

Storage of 100 litres or more of this product requires an emergency response plan, secondary containment and signage.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Propane-1,2-diol		
-vapour and particulates	474 (150 ppm)	
-particulates	10	

No biological limits applicable.

### 8.2 Engineering controls

Use outdoors or in well-ventilated area.

### 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 chemical splash goggles if eye contact is possible.

**Skin Protection:** Wear impervious chemical resistant gloves (e.g. nitrile, butyl), coveralls, socks and chemical resistant footwear. For overhead spray exposure, wear chemical resistant headgear. Ensure all skin areas are covered.

**Respirator:** Use outdoors in well-ventilated area or use local exhaust ventilation. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for particulates.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white liquid
Odour	Sharp
Odour threshold	Not known
pH	~8 (concentrate)
Melting/Freezing Point	No data available
Boiling Point /Range	No data available
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Specific gravity	No data available
Solubility	Completely dispersible 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
Particle characteristics	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

Avoid storage in direct sunlight.

### 10.4 Incompatible materials and possible hazardous reactions

Incompatible with explosives (class 1), oxidising gases, oxidising liquids, oxidising solids, organic peroxides.

### 10.5 Hazardous decomposition products

**Fire Decomposition:** Carbon dioxide, carbon monoxide, nitrogen oxides, smoke and possible other unspecified compounds.

## 10.6 Polymerisation

Not known to occur.

# SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

## 11.2 Toxicological information

Acute toxicity:	Not classified.
Aspiration hazard:	Not Classified.
Respiratory irritation:	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity:	No ingredients in product identified as presumed or suspected mutagens.
Carcinogenicity	No ingredients in product identified as presumed or suspected carcinogens.
Reproductive toxicity	No ingredients in product identified as suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single/repeated exposure	Classified as a specific target organ toxicant (prolonged or repeated exposure). Repeated exposure at high concentrations can cause vacuolization of cells in various tissues.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

## 11.3 Toxicological data:

Product	Oral, rat LD <sub>50</sub> >5000 mg/kg b.w Dermal, rabbit LD <sub>50</sub> >5000 mg/kg b.w Inhalation, rat, LC <sub>50</sub> >17 mg/L Skin: non-irritating Eye: temporary irritant Sensitisation: non-sensitizer
Spinosad	Oral, rat LD <sub>50</sub> 3700 mg/kg b.w

# SECTION 12: ECOLOGICAL INFORMATION

## 12.1 Ecotoxicity

This product is classified as very toxic to aquatic life with long lasting effects and hazardous to terrestrial invertebrates.

## 12.2 Environmental Fate

**Breakdown in soil and groundwater:** Not rapidly biodegradable.

**Bioaccumulation:** Low potential.

**Partition coefficient (octanol/water):** log P<sub>OW</sub> 1.03

**Soil mobility:** Low

## 12.3 Ecotoxicity data:

Spinosad	Algae: <i>Navicula pelliculosa</i> EC <sub>25</sub> (growth, 5 d) 0.0791 mg/L Fish: <i>Cyprinus carpio</i> LC <sub>50</sub> (96 h) 4.99 mg/L
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Crustacea: *Daphnia* spp LC<sub>50</sub> 92.7 mg/L  
Honey bee: contact LD<sub>50</sub> (48 h) 0.0029 µg ai/bee

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Product Disposal

Dispose of this product only by using according to the label, or through a Chemical Recovery service or other licensed hazardous waste disposal facility.

### 13.2 Container Disposal

Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and dispose of at an approved landfill.

## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land

### Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport (ICAO/IATA):

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

<b>UN Number:</b>	3082
<b>UN Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS 12% SPINOSAD)
<b>Transport hazard class(es)</b>	9
<b>Packing Group:</b>	III
<b>HAZCHEM:</b>	3Z
<b>Special Precautions for User:</b>	-
<b>IMDG Marine pollutant:</b>	YES
<b>Transport in Bulk:</b>	-

## SECTION 15: REGULATORY INFORMATION

### 15.1 HSNO Act 1996

Hazardous substance according to Hazardous Substances (Classification) Notice 2020.

**HSNO Approval number:** HSR000714: Suspension concentrate containing 120 – 270 g/litre Spinosad.

**Hazard classifications:** Specific target organ toxicity – repeated exposure Category 2; Hazardous to the aquatic environment acute Category 1; Hazardous to the aquatic environment chronic Category 1; Hazardous to terrestrial invertebrates.

**Record of application:** If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or

	control of the substance must ensure that a written record is kept of each application of the substance. Refer to 48(3) of Hazardous Substances (Hazardous Property Controls) Notice 2017 for details of records to be kept.
<b>Qualifications</b>	Required for mixing, loading and application.
<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Signage Trigger Quantity (Schedule 3)	100 L
Emergency Response Plan (Schedule 5)	100 L
Secondary Containment (Schedule 16)	100 L
Tracking (Schedule 26)	Not required
Tolerable Exposure Level (TEL)	None set
Environmental Exposure Level (EEL)	None set
International Agreements	Not applicable
Other Information:	Refer to HS Notices ( <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> ) and HSW HS Regulations ( <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> ).
ACVM Registration:	Registered pursuant to the Agricultural Compounds and Veterinary Medicines Act 1997; registration number P008879.

## SECTION 16: OTHER INFORMATION

### 16.1 Date of preparation or last revision of SDS

<b>SDS issued</b>	23 March 2025
<b>SDS supersedes</b>	26 March 2020
<b>Reason issued</b>	Update to GHS

### 16.2 ABBREVIATIONS

<b>ADI</b>	Acceptable Daily Intakes
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>CCID</b>	Chemical Classification Identification Database
<b>EPA</b>	Environmental Protection Authority
<b>ErC<sub>50</sub></b>	Half maximal Effective Concentration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>HSNO</b>	Hazardous Substances and New Organisms
<b>HS</b>	Health and Safety
<b>HSR</b>	Hazardous Substances Register
<b>IARC</b>	International Agency for Research on Cancer
<b>LC<sub>50</sub></b>	Median Lethal Concentration
<b>LD<sub>50</sub></b>	Median Lethal Dose
<b>SDS</b>	Safety Data Sheets
<b>NOAEL</b>	No Observable Adverse Effect Level
<b>NOEL</b>	No Observable Effect Level



<b>NOS</b>	Not otherwise specified
<b>STEL</b>	Short Term Exposure Limit
<b>SWA</b>	Safety Work Australia
<b>TWA</b>	Time-Weighted Average
<b>UN Number</b>	United Nations Number

### 16.3 REFERENCES

EPA CCID and Approved Substance databases

### 16.4 OTHER

HORTCARE is a trademark of Sipcam New Zealand Ltd

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End of Safety Data Sheet